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## **Annex B: Measurement Results**

**Project Name : X557**

**Report Number:  
FCC16083920A-6**

## MEASUREMENT 71

Top-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 22/8/2016

Measurement duration: 8 minutes 11 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>IEEE 802.11b ISM</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>IEEE802.b (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.11</u>

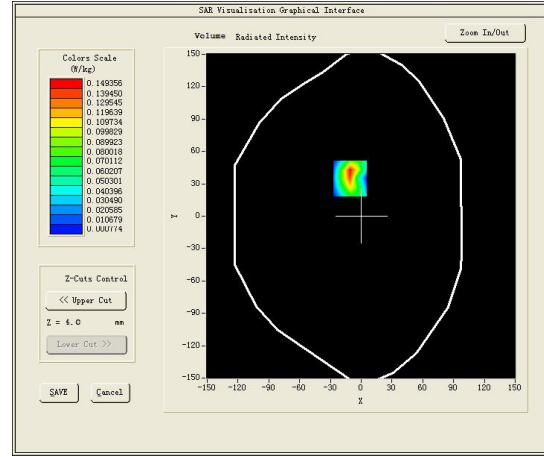
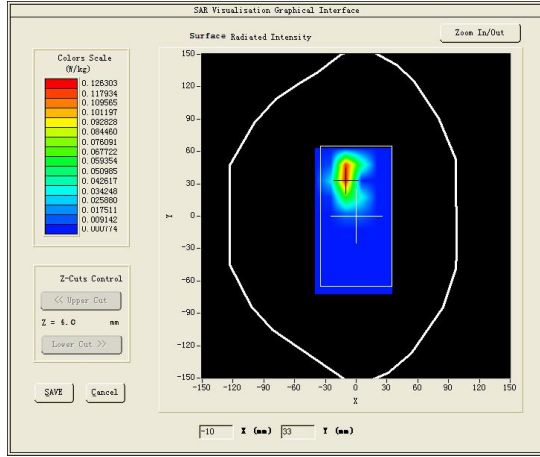
### **B. SAR Measurement Results**

Middle Band SAR (Channel 6):

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	52.915798
<b>Relative permittivity (imaginary part)</b>	14.315100
<b>Conductivity (S/m)</b>	1.942082
<b>Variation (%)</b>	2.560000

### SURFACE SAR

### VOLUME SAR

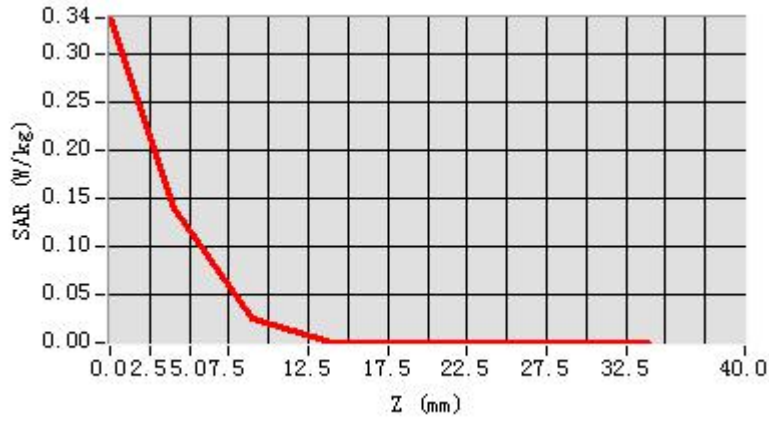


**Maximum location: X=-11.00, Y=35.00**

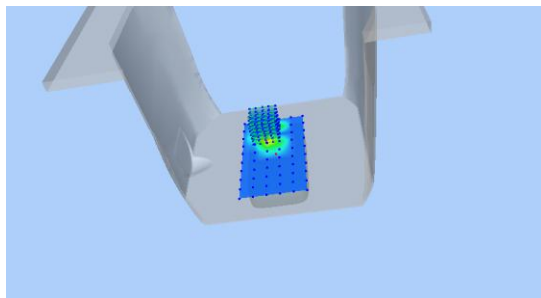
**SAR Peak: 0.39 W/kg**

<b>SAR 10g (W/Kg)</b>	0.002484
<b>SAR 1g (W/Kg)</b>	0.006280

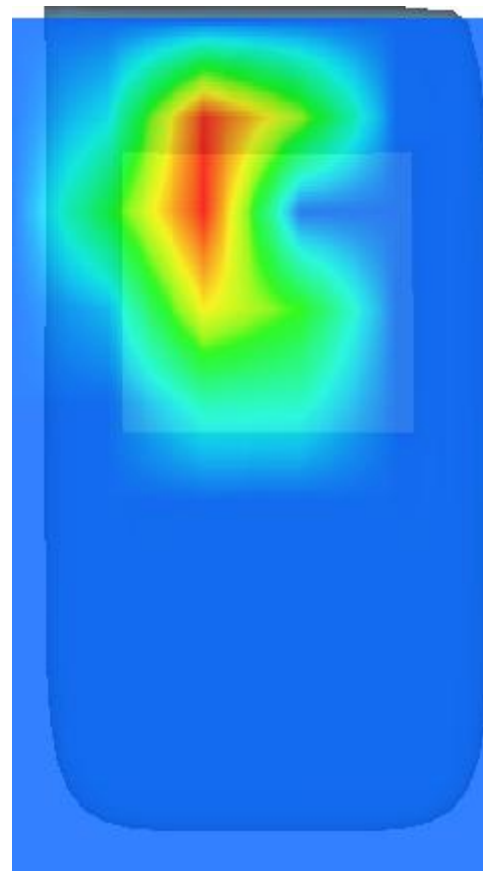
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3368	0.1401	0.0264	0.0008	0.0008	0.0008	0.0008



**3D screen shot**



**Hot spot position**



## MEASUREMENT 72

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 22/8/2016

Measurement duration: 7 minutes 48 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>IEEE 802.11b ISM</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>IEEE802.b (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.11</u>

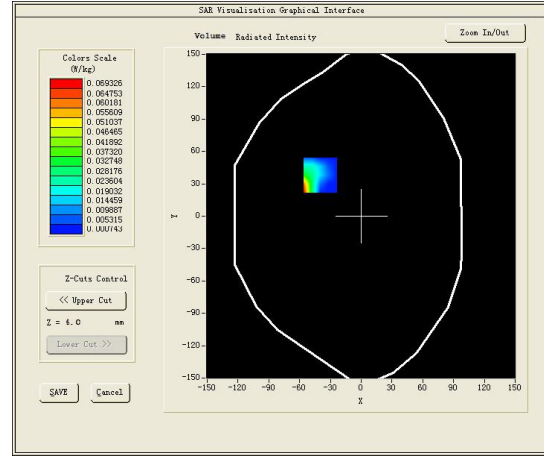
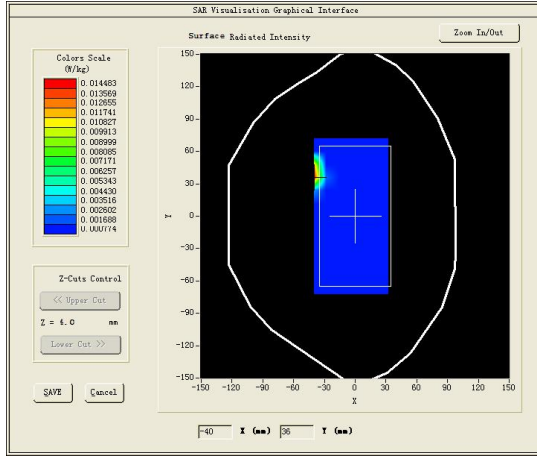
### **B. SAR Measurement Results**

Middle Band SAR (Channel 6):

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	52.915798
<b>Relative permittivity (imaginary part)</b>	14.315100
<b>Conductivity (S/m)</b>	1.942082
<b>Variation (%)</b>	0.000000

### SURFACE SAR

### VOLUME SAR

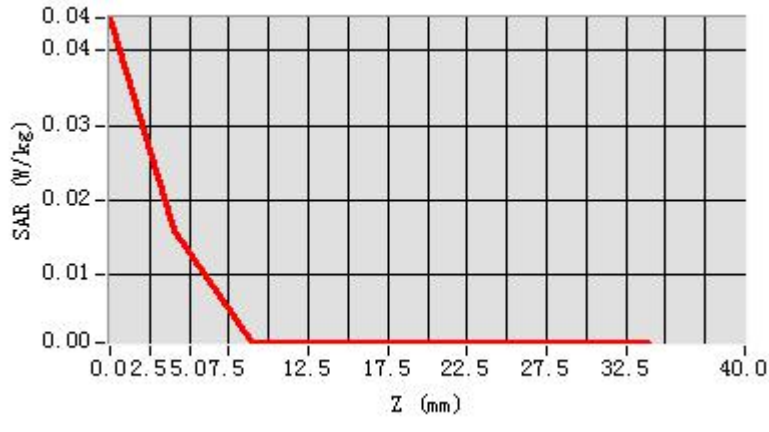


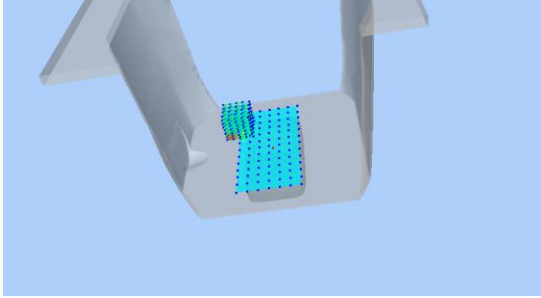
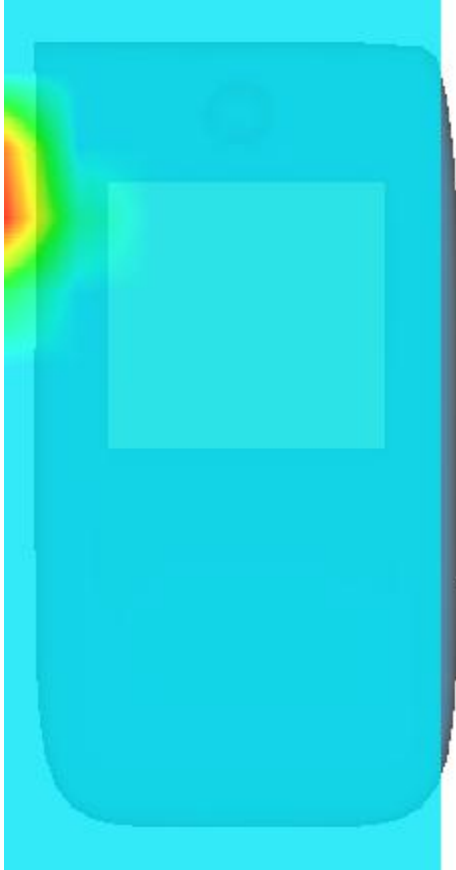
**Maximum location: X=-40.00, Y=38.00**

**SAR Peak: 0.17 W/kg**

<b>SAR 10g (W/Kg)</b>	0.022169
<b>SAR 1g (W/Kg)</b>	0.055226

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.0444</b>	<b>0.0160</b>	<b>0.0008</b>	<b>0.0008</b>	<b>0.0008</b>	<b>0.0008</b>	<b>0.0008</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 73

Towards-phantom-middle

Type: Phone measurement (Complete)

Date of measurement: 22/8/2016

Measurement duration: 8 minutes 11 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>IEEE 802.11b ISM</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>IEEE802.b (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.11</u>

### **B. SAR Measurement Results**

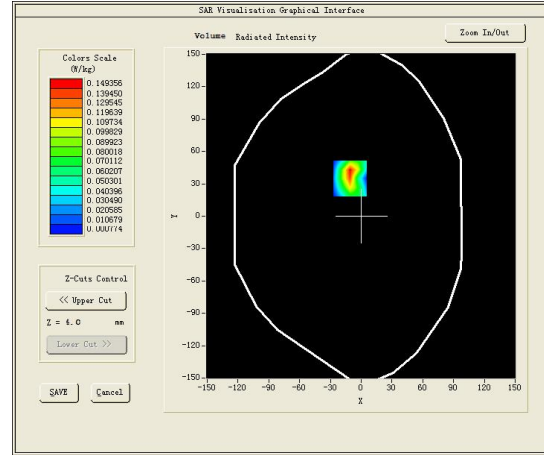
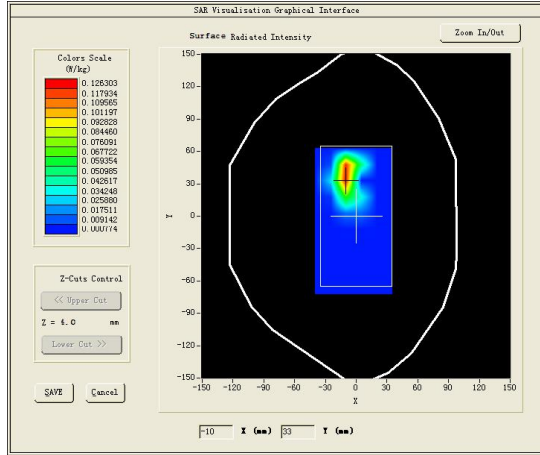
Middle Band SAR (Channel 6):

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	52.915798
<b>Relative permittivity (imaginary part)</b>	14.315100
<b>Conductivity (S/m)</b>	1.942082
<b>Variation (%)</b>	0.210000



### SURFACE SAR

### VOLUME SAR

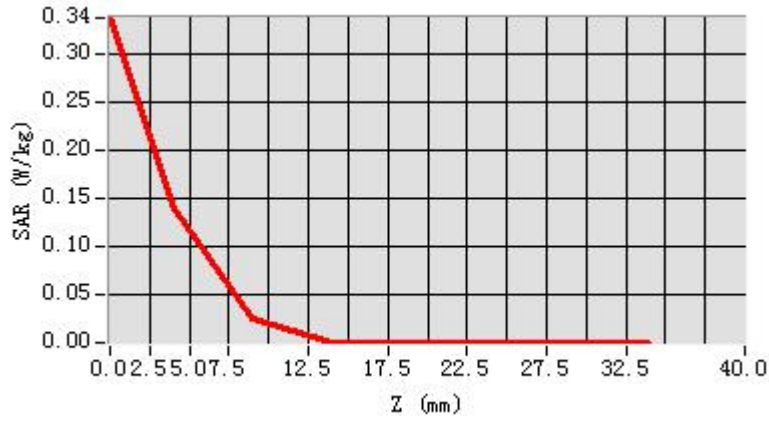


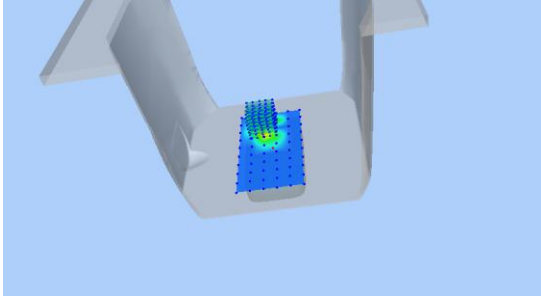
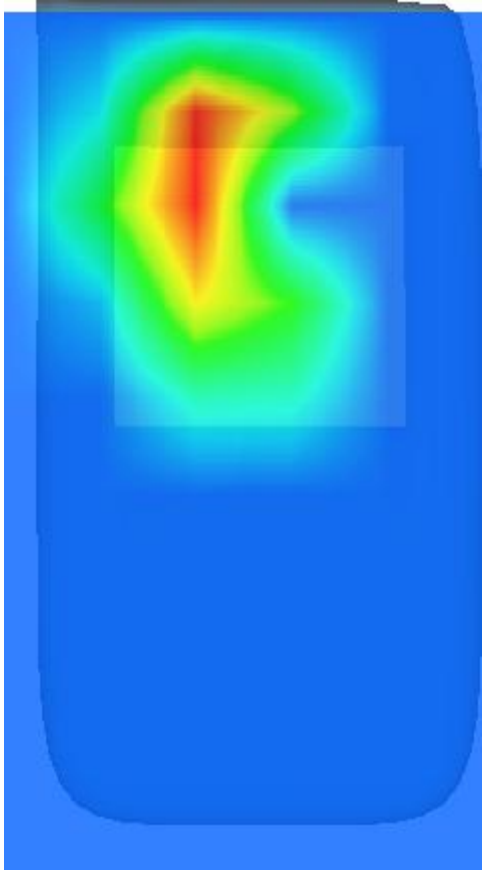
**Maximum location: X=-11.00, Y=35.00**

**SAR Peak: 0.39 W/kg**

<b>SAR 10g (W/Kg)</b>	0.072484
<b>SAR 1g (W/Kg)</b>	0.166280

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.3368</b>	<b>0.1401</b>	<b>0.0264</b>	<b>0.0008</b>	<b>0.0008</b>	<b>0.0008</b>	<b>0.0008</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 74

Towards-phantom-high

Type: Phone measurement (Complete)

Date of measurement: 22/8/2016

Measurement duration: 10 minutes 36 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>IEEE 802.11b ISM</u>
<b><u>Channels</u></b>	<u>High</u>
<b><u>Signal</u></b>	<u>IEEE802.b (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.11</u>

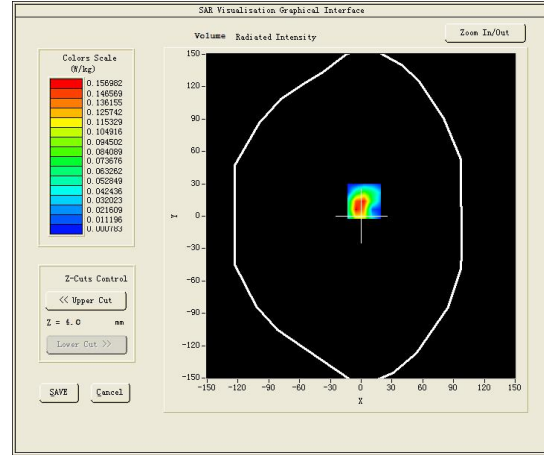
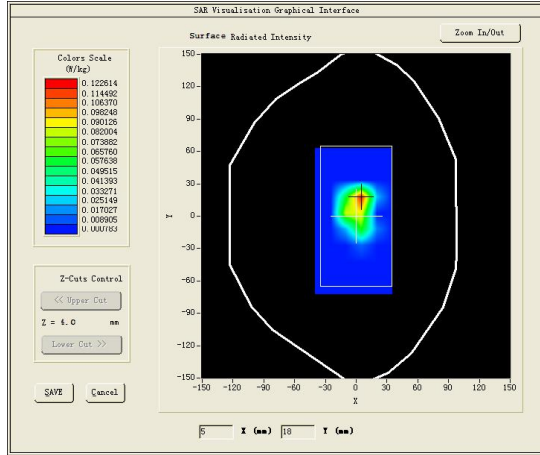
### **B. SAR Measurement Results**

Higher Band SAR (Channel 11):

<b>Frequency (MHz)</b>	2462.000000
<b>Relative permittivity (real part)</b>	55.097698
<b>Relative permittivity (imaginary part)</b>	12.224000
<b>Conductivity (S/m)</b>	1.678763
<b>Variation (%)</b>	2.800000

### SURFACE SAR

### VOLUME SAR

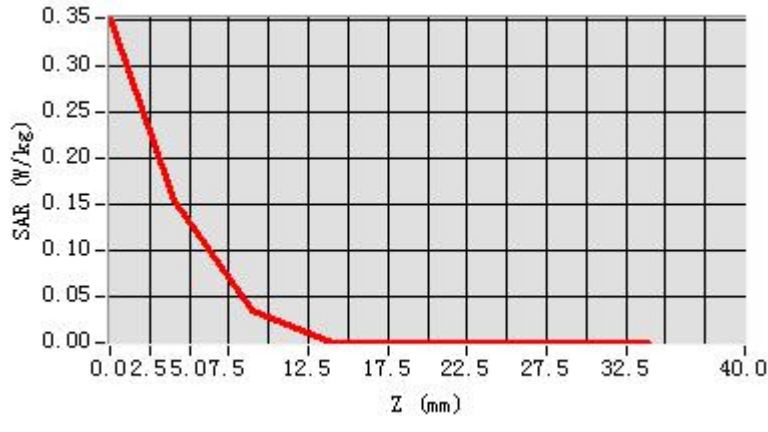


**Maximum location: X=3.00, Y=14.00**

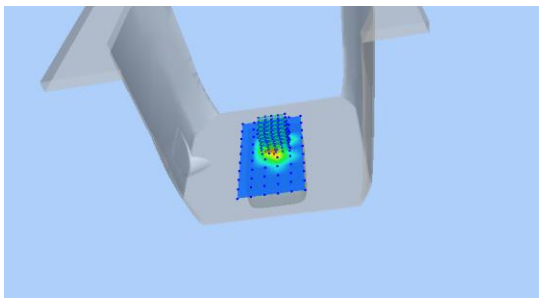
**SAR Peak: 0.39 W/kg**

<b>SAR 10g (W/Kg)</b>	0.050851
<b>SAR 1g (W/Kg)</b>	0.159863

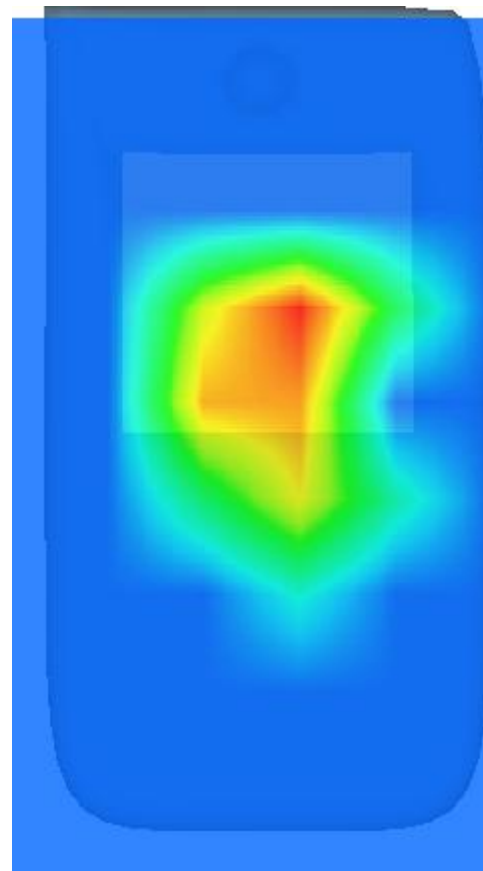
<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.3516</b>	<b>0.1535</b>	<b>0.0358</b>	<b>0.0008</b>	<b>0.0008</b>	<b>0.0008</b>	<b>0.0008</b>



**3D screen shot**



**Hot spot position**



## MEASUREMENT 75

Rear Side-low

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 10 minutes 38 seconds

### **A. Experimental conditions.**

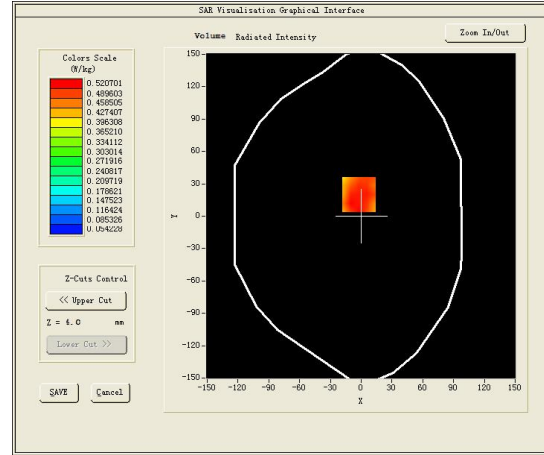
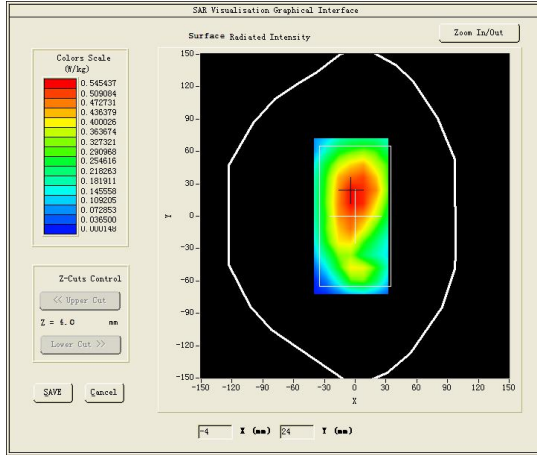
<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS850 4Tx)</u>
<b><u>Channels</u></b>	<u>Low</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<b><u>Conversion factor</u></b>	<u>5.07</u>

### **B. SAR Measurement Results**

<b>Frequency (MHz)</b>	824.200012
<b>Relative permittivity (real part)</b>	53.651520
<b>Relative permittivity (imaginary part)</b>	21.683880
<b>Conductivity (S/m)</b>	0.992881
<b>Variation (%)</b>	-1.100000

### SURFACE SAR

### VOLUME SAR

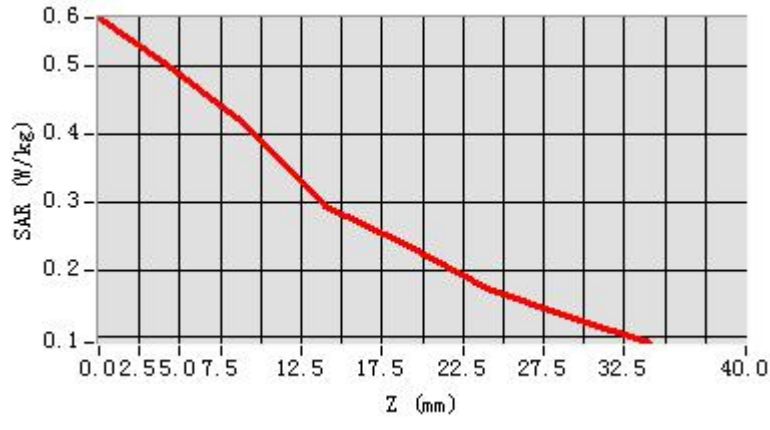


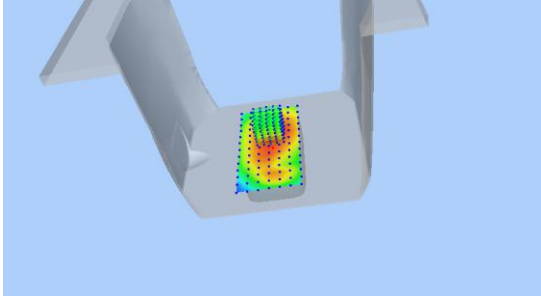
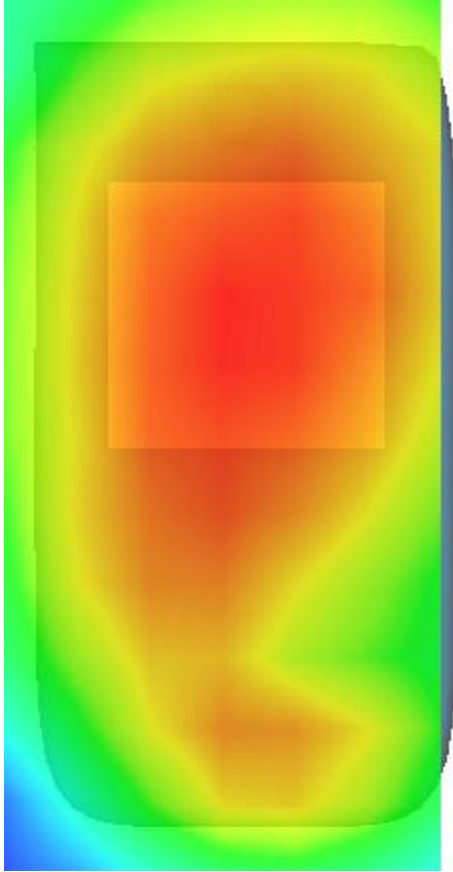
**Maximum location: X=-2.00, Y=20.00**

**SAR Peak: 0.68 W/kg**

<b>SAR 10g (W/Kg)</b>	0.211634
<b>SAR 1g (W/Kg)</b>	0.374302

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.5727</b>	<b>0.5084</b>	<b>0.4165</b>	<b>0.2938</b>	<b>0.2375</b>	<b>0.1704</b>	<b>0.1307</b>



3D screen shot	Hot spot position
	



## MEASUREMENT 76

Left-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 10 minutes 27 seconds

### **A. Experimental conditions.**

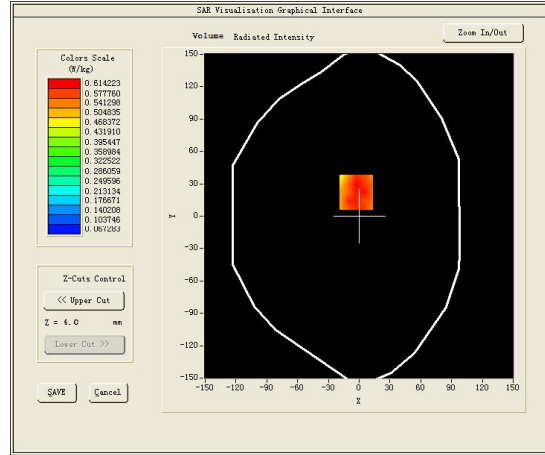
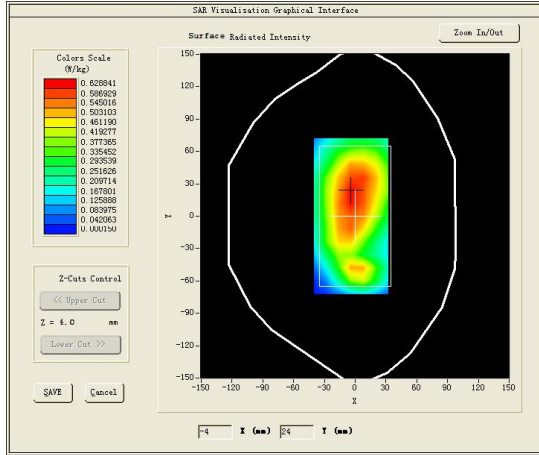
<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS850 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<b><u>Conversion factor</u></b>	<u>5.07</u>

### **B. SAR Measurement Results**

<b>Frequency (MHz)</b>	836.599976
<b>Relative permittivity (real part)</b>	53.395020
<b>Relative permittivity (imaginary part)</b>	21.690760
<b>Conductivity (S/m)</b>	1.008138
<b>Variation (%)</b>	1.230000

### SURFACE SAR

### VOLUME SAR

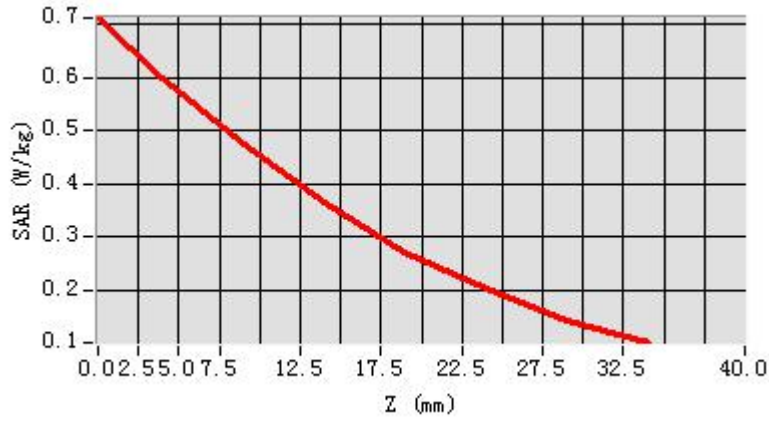


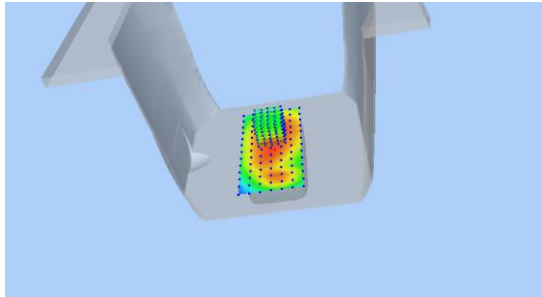
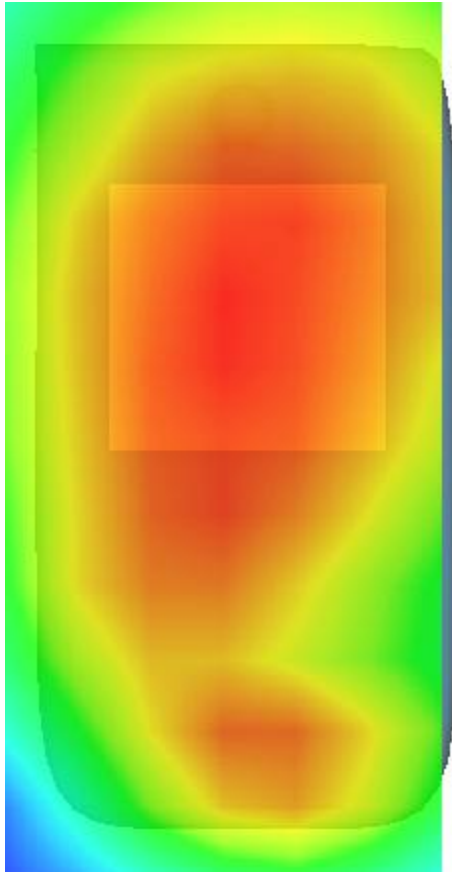
**Maximum location: X=-3.00, Y=22.00**

**SAR Peak: 0.82 W/kg**

<b>SAR 10g (W/Kg)</b>	0.213415
<b>SAR 1g (W/Kg)</b>	0.356435

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.7121</b>	<b>0.5990</b>	<b>0.4731</b>	<b>0.3639</b>	<b>0.2719</b>	<b>0.2010</b>	<b>0.1417</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 77

Bottom-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 12 minutes 28 seconds

### **A. Experimental conditions.**

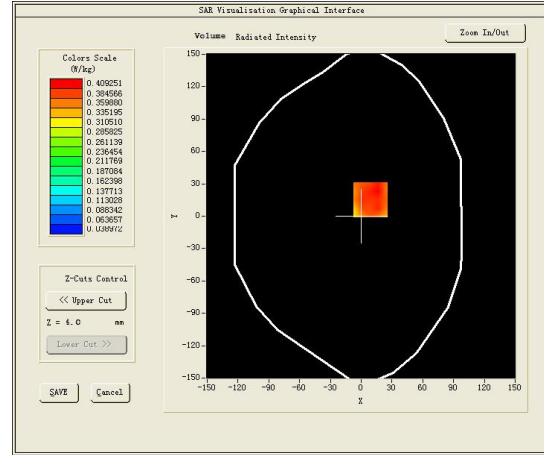
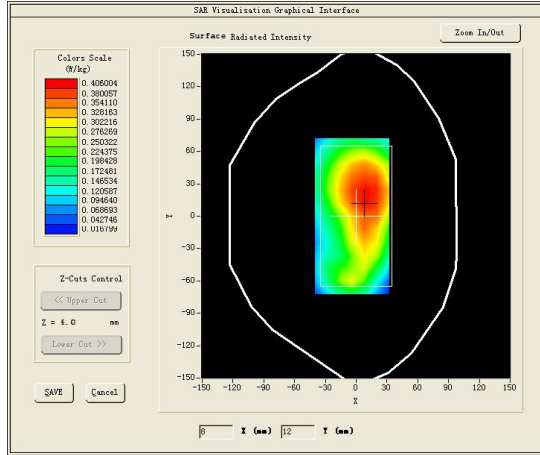
<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS850 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<b><u>Conversion factor</u></b>	<u>5.07</u>

### **B. SAR Measurement Results**

<b>Frequency (MHz)</b>	836.599976
<b>Relative permittivity (real part)</b>	53.395020
<b>Relative permittivity (imaginary part)</b>	21.690760
<b>Conductivity (S/m)</b>	1.008138
<b>Variation (%)</b>	1.560000

### SURFACE SAR

### VOLUME SAR

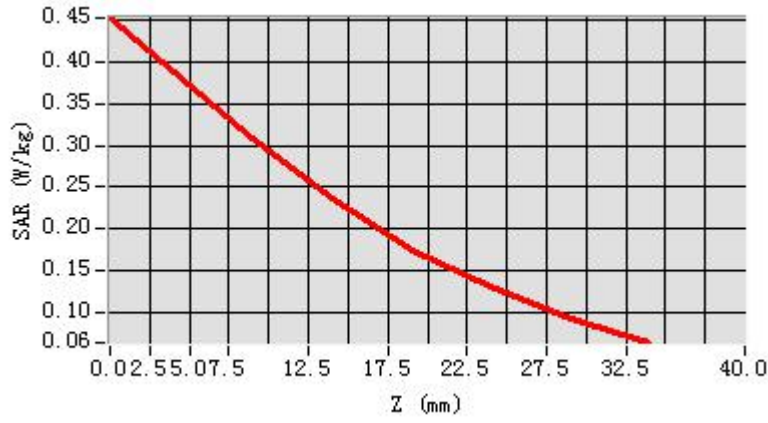


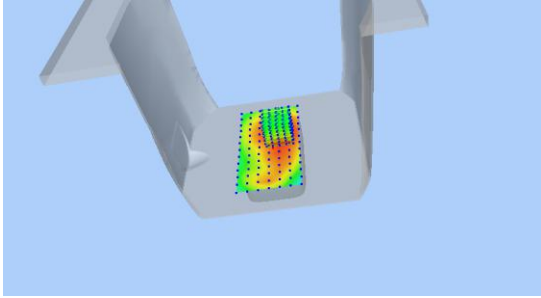
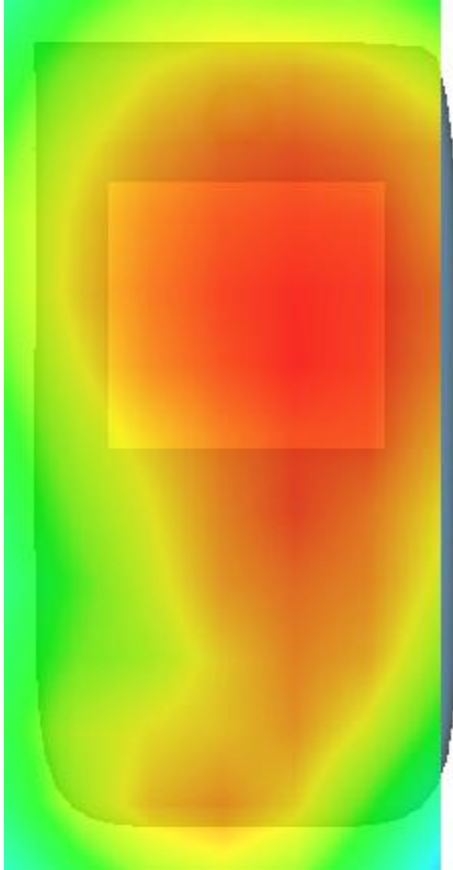
**Maximum location: X=9.00, Y=15.00**

**SAR Peak: 0.55 W/kg**

<b>SAR 10g (W/Kg)</b>	0.325321
<b>SAR 1g (W/Kg)</b>	0.564095

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.4529</b>	<b>0.3877</b>	<b>0.3079</b>	<b>0.2353</b>	<b>0.1739</b>	<b>0.1315</b>	<b>0.0922</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 78

Rear Side-middle

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 10 minutes 27 seconds

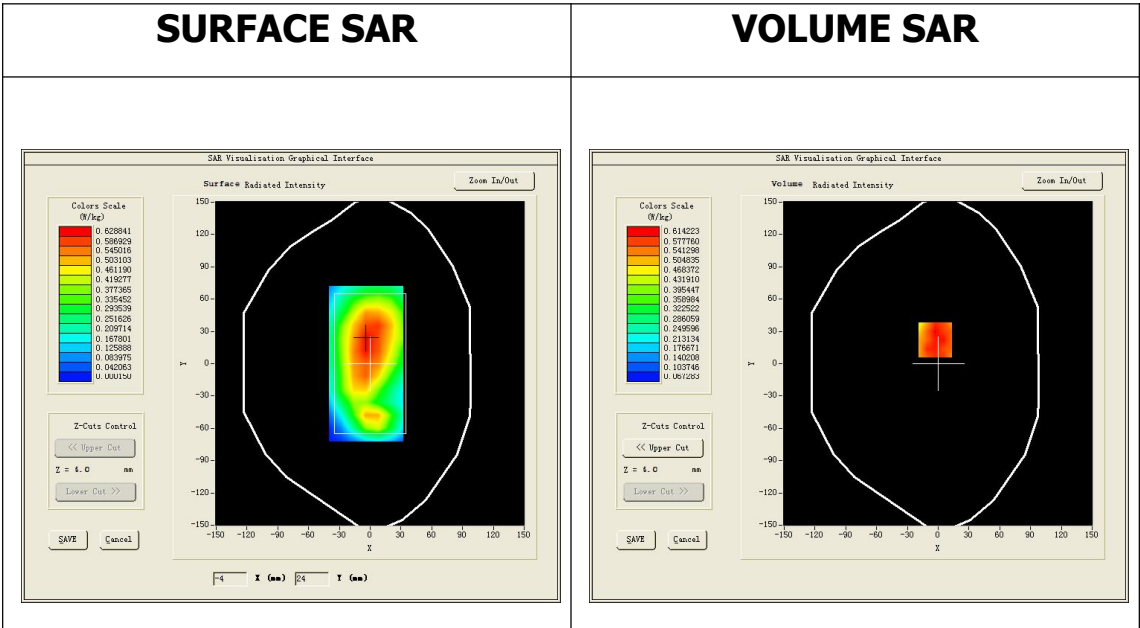
### A. Experimental conditions.

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS850 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<b><u>Conversion factor</u></b>	<u>5.07</u>

### B. SAR Measurement Results

<b>Frequency (MHz)</b>	836.599976
<b>Relative permittivity (real part)</b>	53.395020
<b>Relative permittivity (imaginary part)</b>	21.690760
<b>Conductivity (S/m)</b>	1.008138

<b>Variation (%)</b>	2.100000
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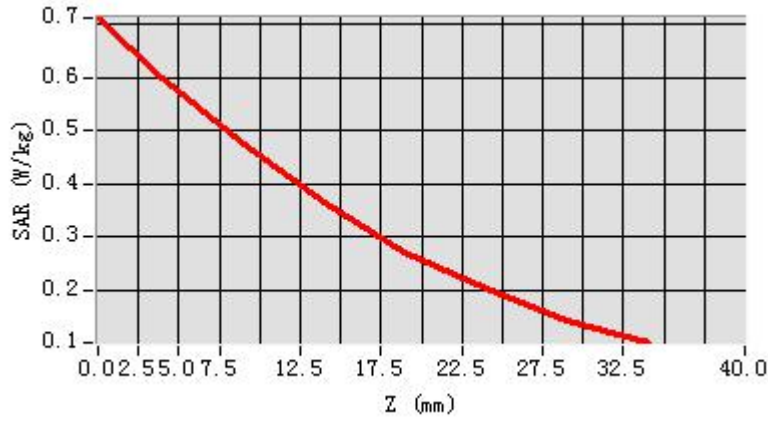
**Maximum location: X=-3.00, Y=22.00**

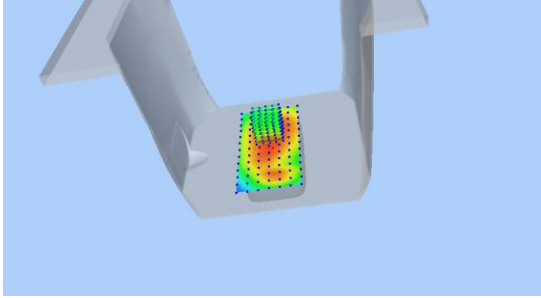
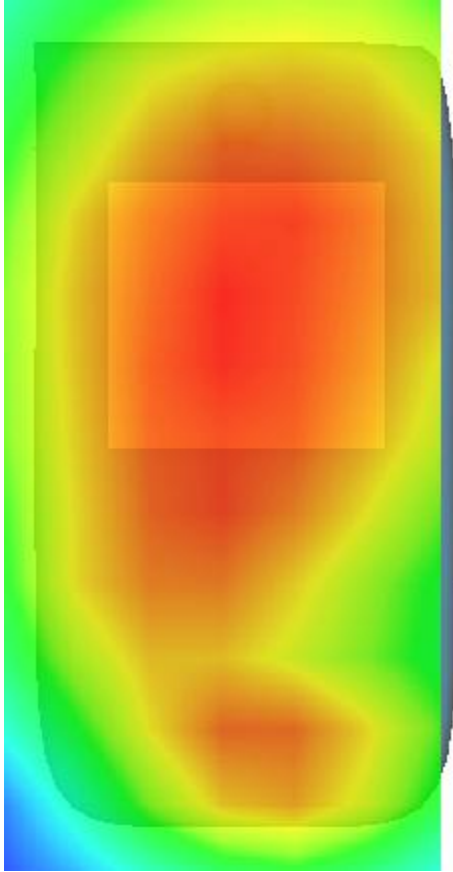
**SAR Peak: 0.82 W/kg**

<b>SAR 10g (W/Kg)</b>	0.339415
<b>SAR 1g (W/Kg)</b>	0.590435



<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.7121</b>	<b>0.5990</b>	<b>0.4731</b>	<b>0.3639</b>	<b>0.2719</b>	<b>0.2010</b>	<b>0.1417</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 79

Towards-phantom-middle

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 12 minutes 28 seconds

### A. Experimental conditions.

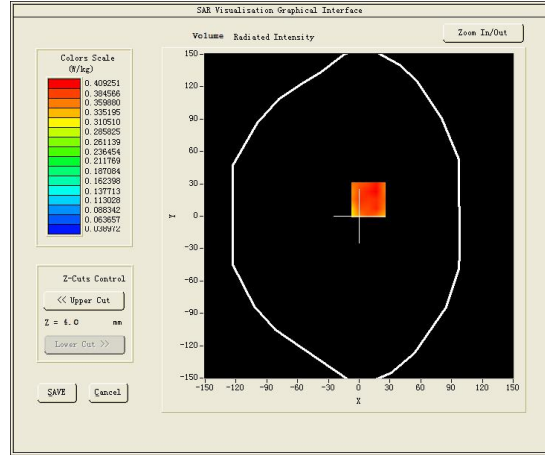
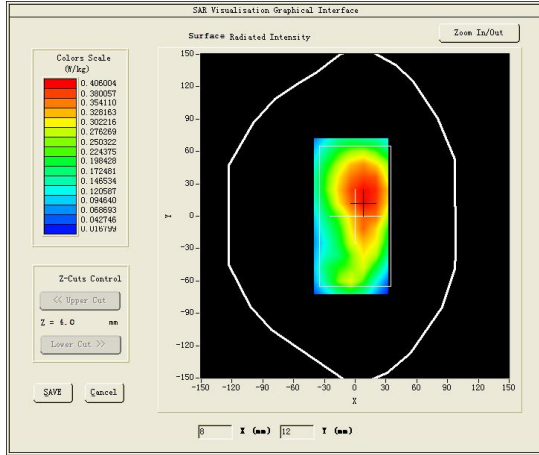
<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS850 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<b><u>Conversion factor</u></b>	<u>5.07</u>

### B. SAR Measurement Results

<b>Frequency (MHz)</b>	836.599976
<b>Relative permittivity (real part)</b>	53.395020
<b>Relative permittivity (imaginary part)</b>	21.690760
<b>Conductivity (S/m)</b>	1.008138
<b>Variation (%)</b>	-1.500000

### SURFACE SAR

### VOLUME SAR

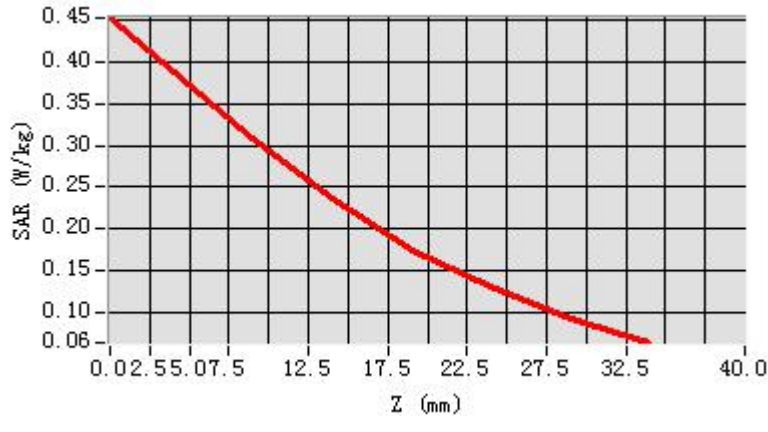


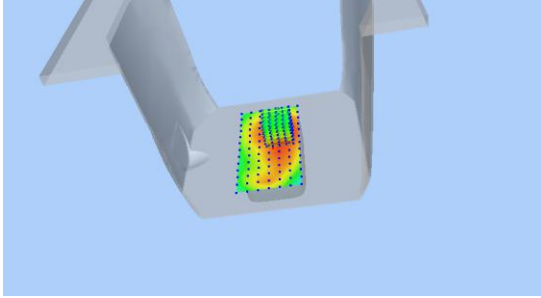
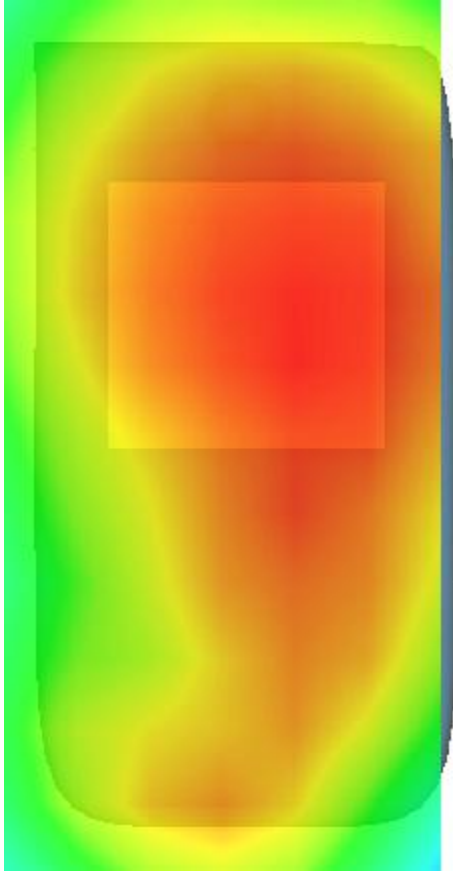
**Maximum location: X=9.00, Y=15.00**

**SAR Peak: 0.55 W/kg**

<b>SAR 10g (W/Kg)</b>	0.186321
<b>SAR 1g (W/Kg)</b>	0.312095

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.4529</b>	<b>0.3877</b>	<b>0.3079</b>	<b>0.2353</b>	<b>0.1739</b>	<b>0.1315</b>	<b>0.0922</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 80

### Rear Side-high

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 10 minutes 26 seconds

### A. Experimental conditions.

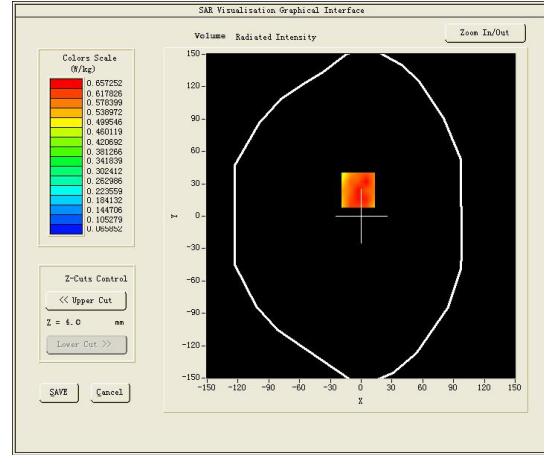
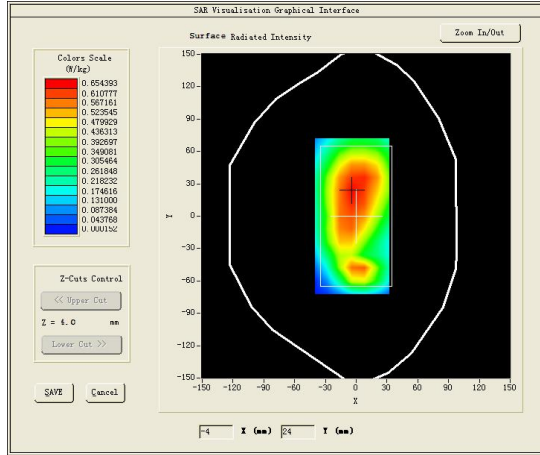
<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS850 4Tx)</u>
<b><u>Channels</u></b>	<u>High</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<b><u>Conversion factor</u></b>	<u>5.07</u>

### B. SAR Measurement Results

<b>Frequency (MHz)</b>	848.799988
<b>Relative permittivity (real part)</b>	53.204479
<b>Relative permittivity (imaginary part)</b>	21.666559
<b>Conductivity (S/m)</b>	1.021699
<b>Variation (%)</b>	-0.290000

### SURFACE SAR

### VOLUME SAR

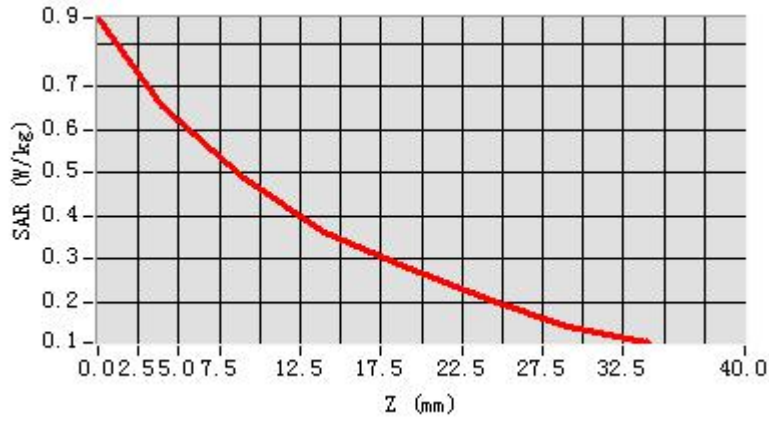


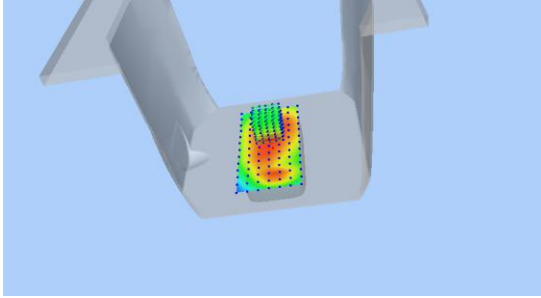
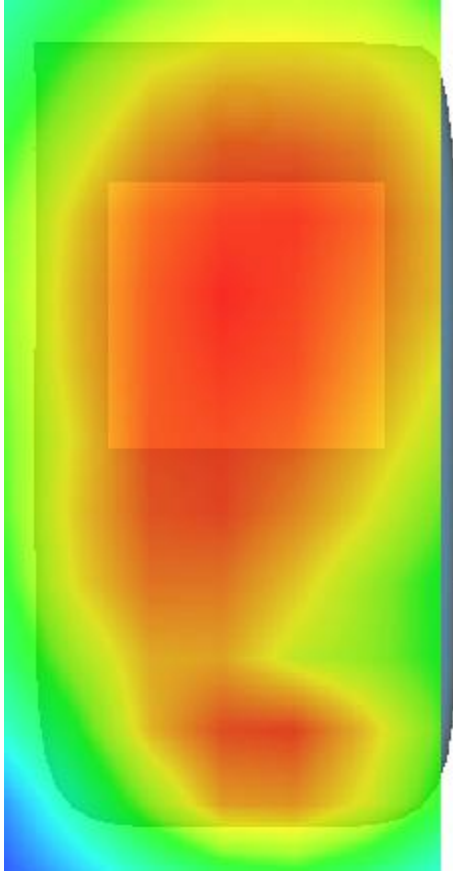
**Maximum location: X=-3.00, Y=24.00**

**SAR Peak: 0.92 W/kg**

<b>SAR 10g (W/Kg)</b>	0.265132
<b>SAR 1g (W/Kg)</b>	0.504201

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.8585</b>	<b>0.6531</b>	<b>0.4865</b>	<b>0.3620</b>	<b>0.2848</b>	<b>0.2069</b>	<b>0.1433</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 81

### Rear Side-low

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 11 minutes 29 seconds

### A. Experimental conditions.

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS1900 4Tx)</u>
<b><u>Channels</u></b>	<u>Low</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

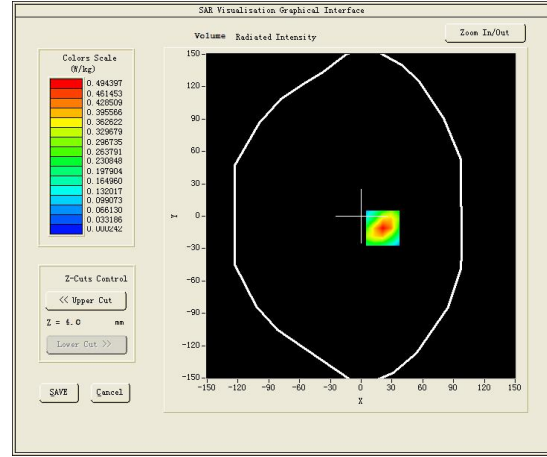
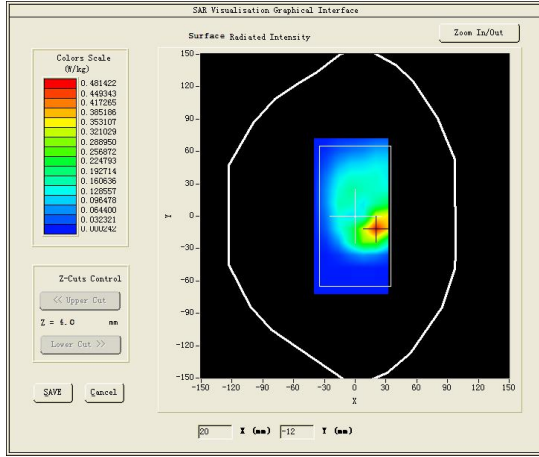
### B. SAR Measurement Results

<b>Frequency (MHz)</b>	1850.199951
<b>Relative permittivity (real part)</b>	40.000000
<b>Relative permittivity (imaginary part)</b>	13.628520
<b>Conductivity (S/m)</b>	1.400860
<b>Variation (%)</b>	1.700000



### SURFACE SAR

### VOLUME SAR

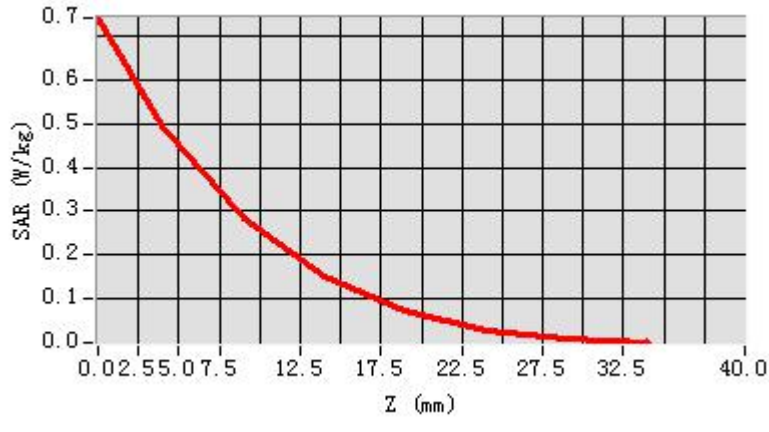


**Maximum location: X=21.00, Y=-11.00**

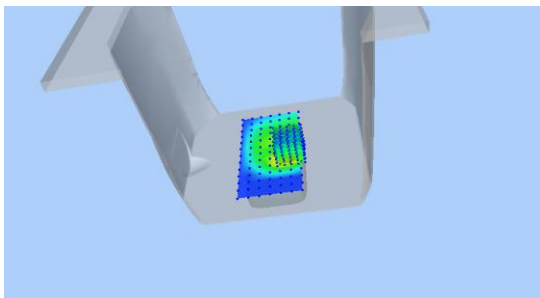
**SAR Peak: 0.74 W/kg**

<b>SAR 10g (W/Kg)</b>	0.163085
<b>SAR 1g (W/Kg)</b>	0.404257

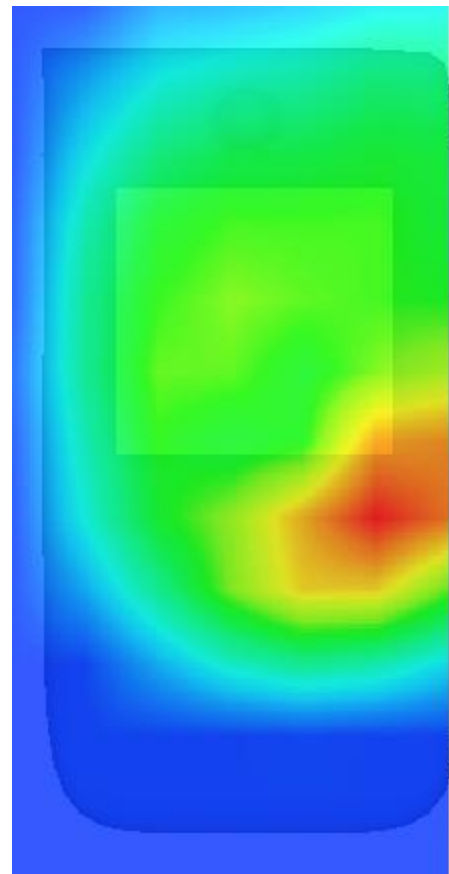
<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.7404</b>	<b>0.4944</b>	<b>0.2819</b>	<b>0.1511</b>	<b>0.0726</b>	<b>0.0300</b>	<b>0.0103</b>



**3D screen shot**



**Hot spot position**



## MEASUREMENT 82

Bottom-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 13 minutes 34 seconds

### A. Experimental conditions.

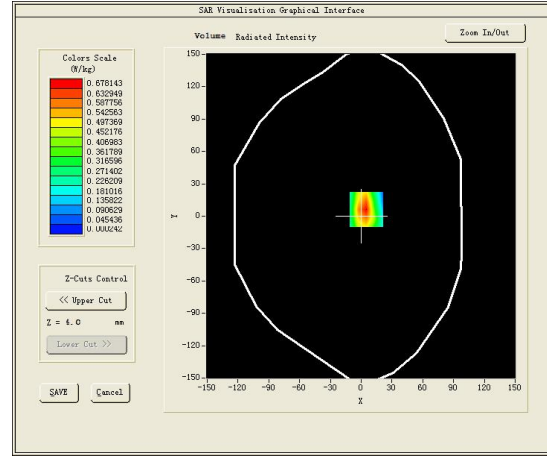
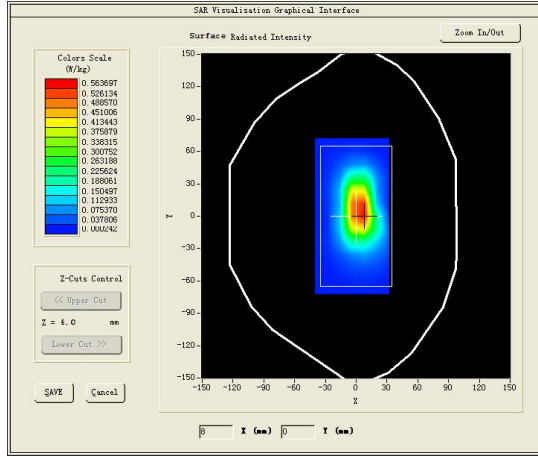
<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS1900 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

### B. SAR Measurement Results

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	40.000000
<b>Relative permittivity (imaginary part)</b>	13.408000
<b>Conductivity (S/m)</b>	1.400391
<b>Variation (%)</b>	1.080000

### SURFACE SAR

### VOLUME SAR

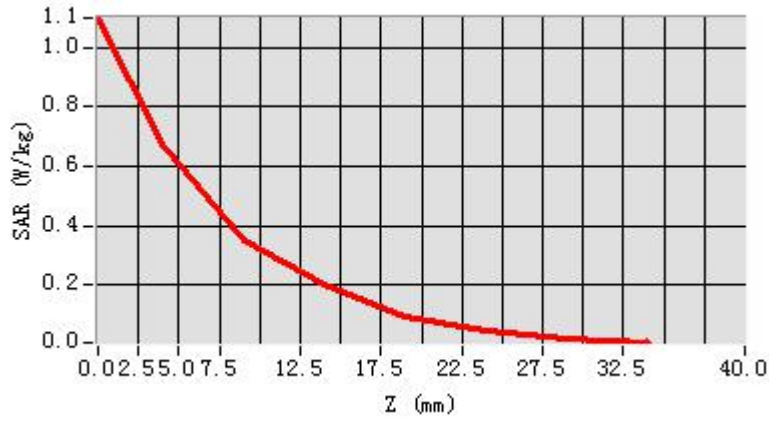


**Maximum location: X=5.00, Y=6.00**

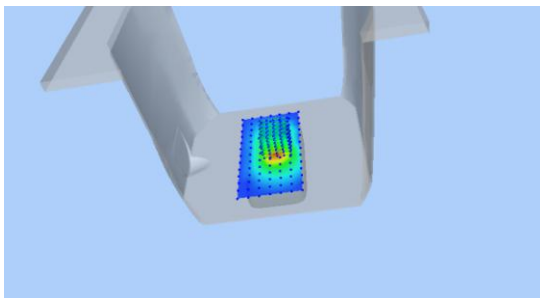
**SAR Peak: 1.13 W/kg**

<b>SAR 10g (W/Kg)</b>	0.117389
<b>SAR 1g (W/Kg)</b>	0.355333

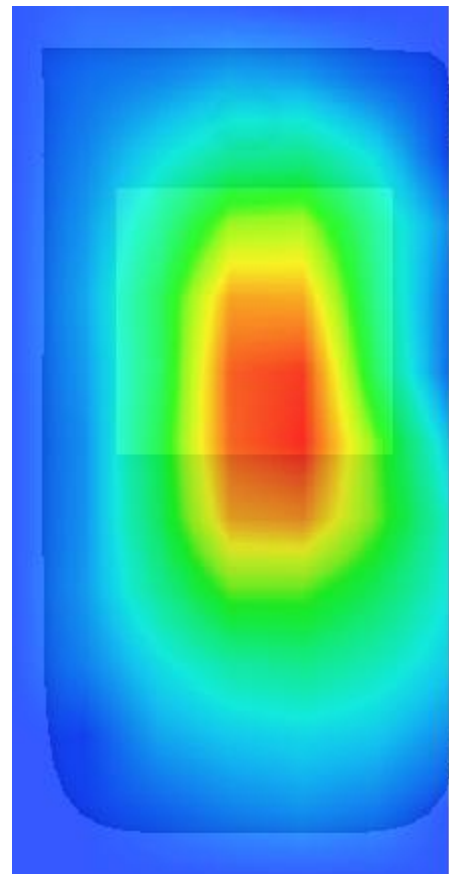
<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>1.1004</b>	<b>0.6781</b>	<b>0.3504</b>	<b>0.2005</b>	<b>0.0946</b>	<b>0.0486</b>	<b>0.0212</b>



**3D screen shot**



**Hot spot position**



## MEASUREMENT 83

### Left-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 10 minutes 48 seconds

### A. Experimental conditions.

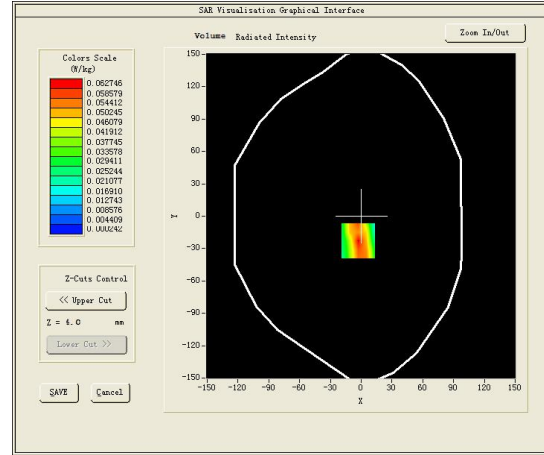
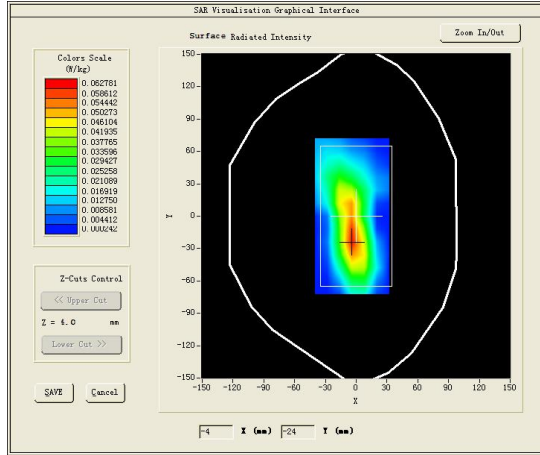
<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS1900 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

### B. SAR Measurement Results

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	40.000000
<b>Relative permittivity (imaginary part)</b>	13.408000
<b>Conductivity (S/m)</b>	1.400391
<b>Variation (%)</b>	2.700000

### SURFACE SAR

### VOLUME SAR

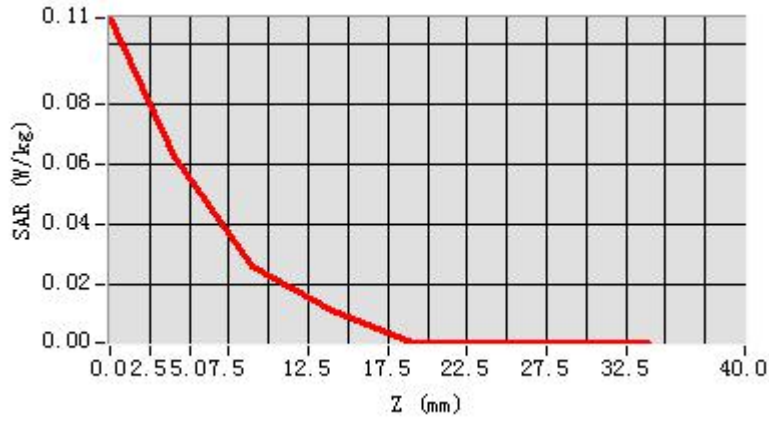


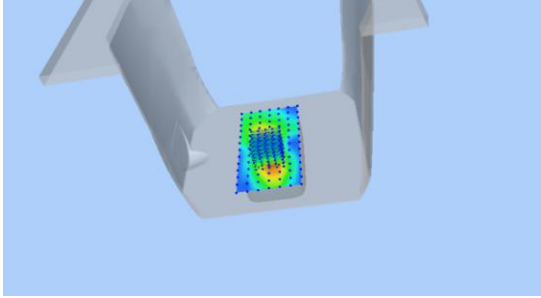
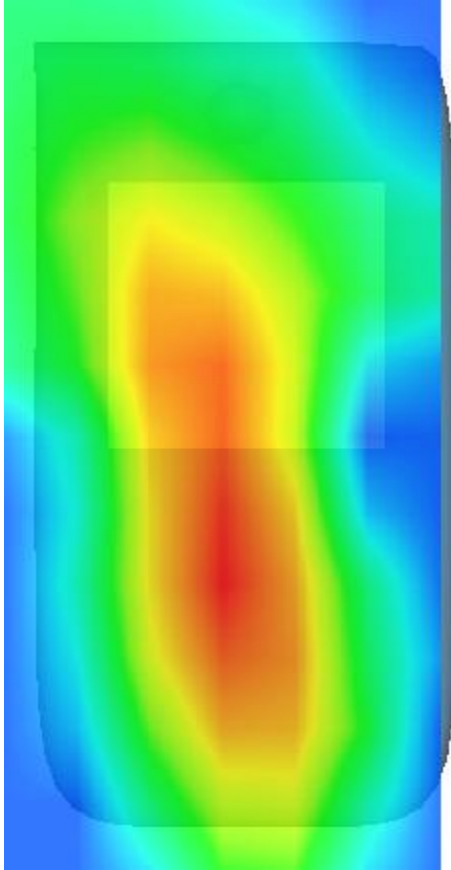
**Maximum location: X=-3.00, Y=-23.00**

**SAR Peak: 0.11 W/kg**

<b>SAR 10g (W/Kg)</b>	0.026507
<b>SAR 1g (W/Kg)</b>	0.059354

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.1090</b>	<b>0.0627</b>	<b>0.0260</b>	<b>0.0110</b>	<b>0.0002</b>	<b>0.0002</b>	<b>0.0002</b>



3D screen shot	Hot spot position
	



## MEASUREMENT 84

### Rear Side-middle

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 11 minutes 29 seconds

### **A. Experimental conditions.**

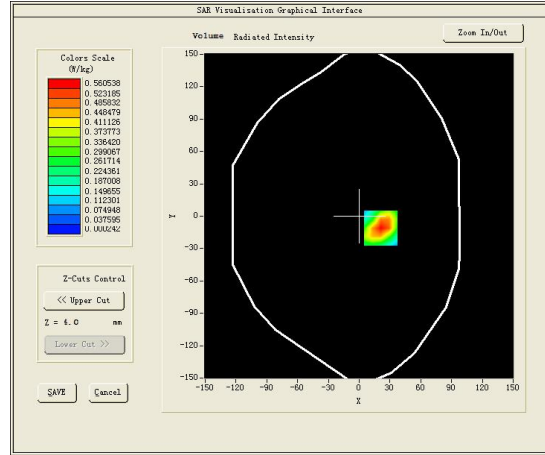
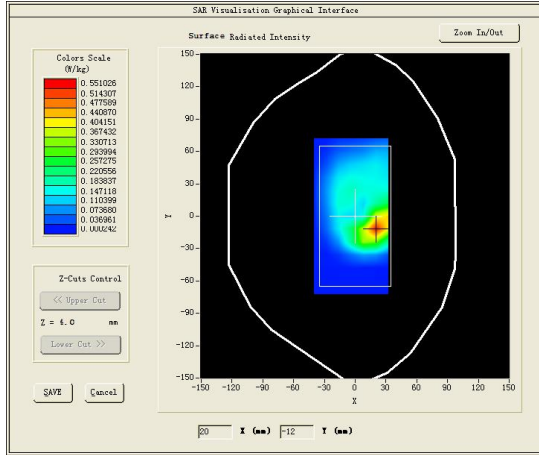
<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS1900 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

### **B. SAR Measurement Results**

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	40.000000
<b>Relative permittivity (imaginary part)</b>	13.408000
<b>Conductivity (S/m)</b>	1.400391
<b>Variation (%)</b>	1.200000

### SURFACE SAR

### VOLUME SAR

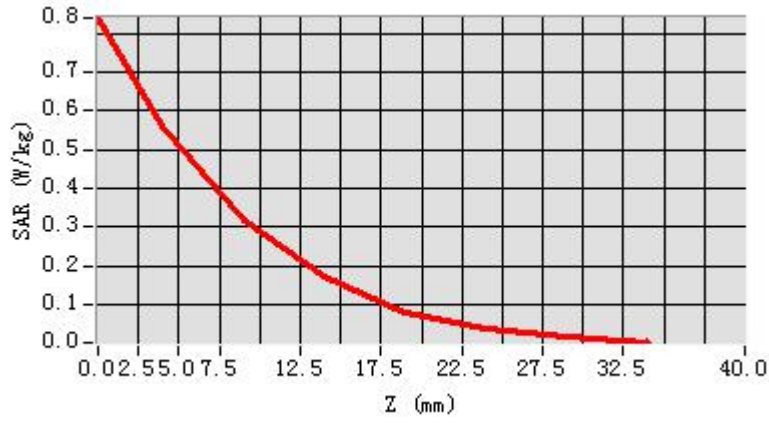


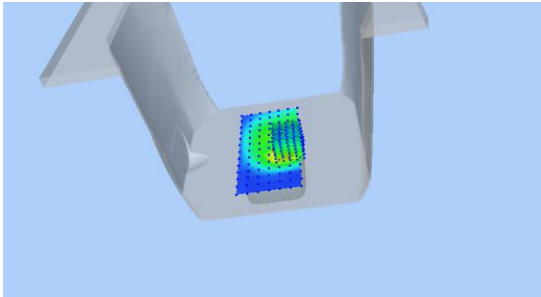
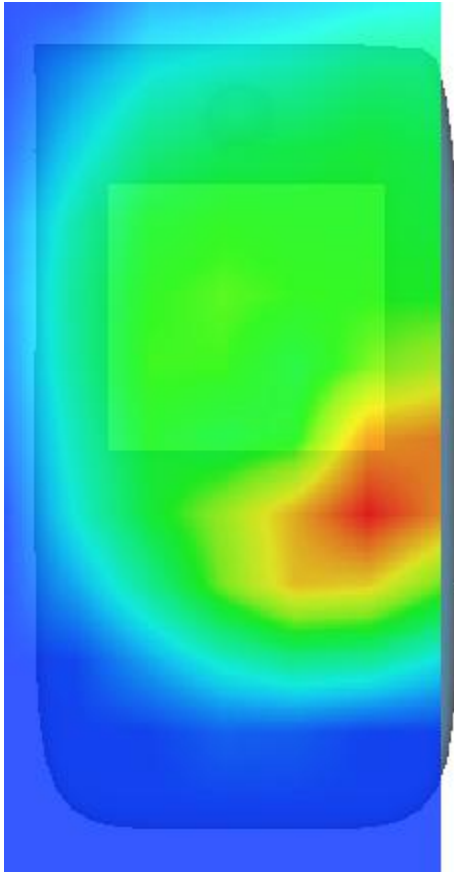
**Maximum location: X=21.00, Y=-11.00**

**SAR Peak: 0.90 W/kg**

<b>SAR 10g (W/Kg)</b>	0.268702
<b>SAR 1g (W/Kg)</b>	0.500630

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.8399</b>	<b>0.5605</b>	<b>0.3183</b>	<b>0.1736</b>	<b>0.0819</b>	<b>0.0385</b>	<b>0.0149</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 85

Towards-phantom-middle

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 11 minutes 0 seconds

### **A. Experimental conditions.**

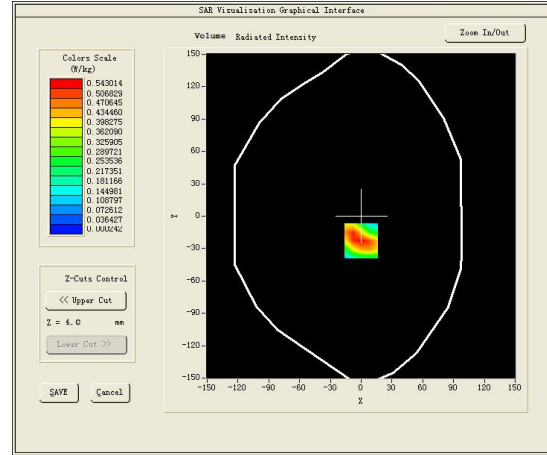
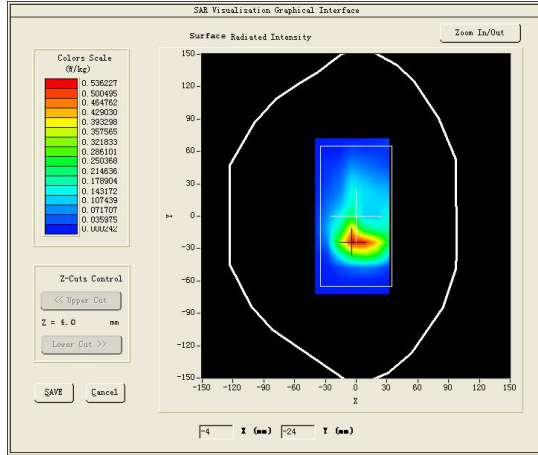
<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS1900 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

### **B. SAR Measurement Results**

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	40.000000
<b>Relative permittivity (imaginary part)</b>	13.408000
<b>Conductivity (S/m)</b>	1.400391
<b>Variation (%)</b>	0.010000

### SURFACE SAR

### VOLUME SAR

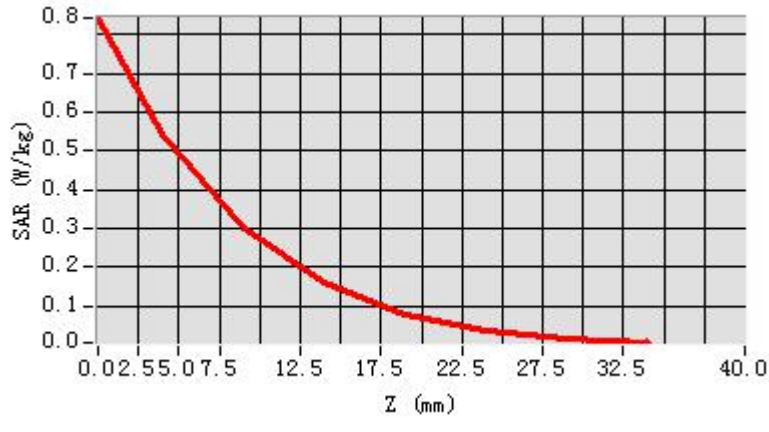


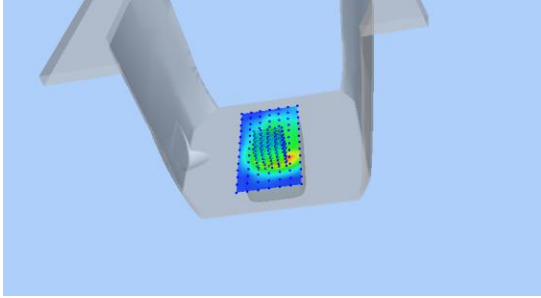
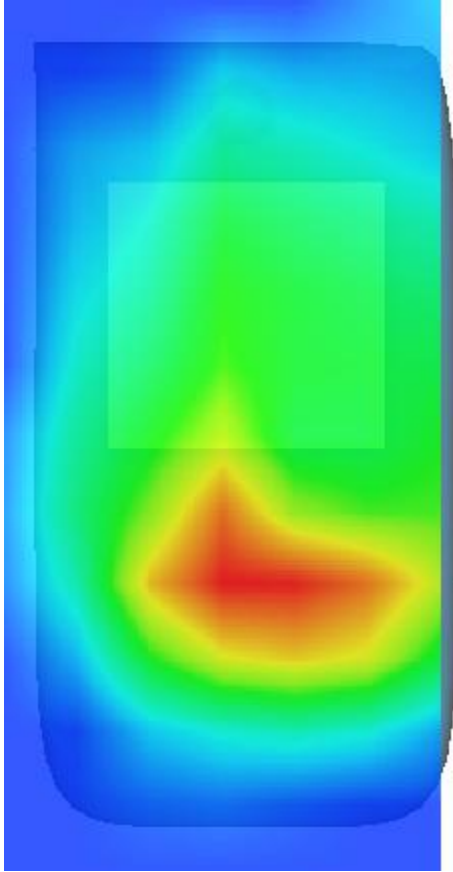
**Maximum location: X=0.00, Y=-23.00**

**SAR Peak: 0.89 W/kg**

<b>SAR 10g (W/Kg)</b>	0.092372
<b>SAR 1g (W/Kg)</b>	0.310733

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.8422</b>	<b>0.5430</b>	<b>0.2984</b>	<b>0.1628</b>	<b>0.0796</b>	<b>0.0374</b>	<b>0.0157</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 86

Rear Side-high

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 11 minutes 27 seconds

### A. Experimental conditions.

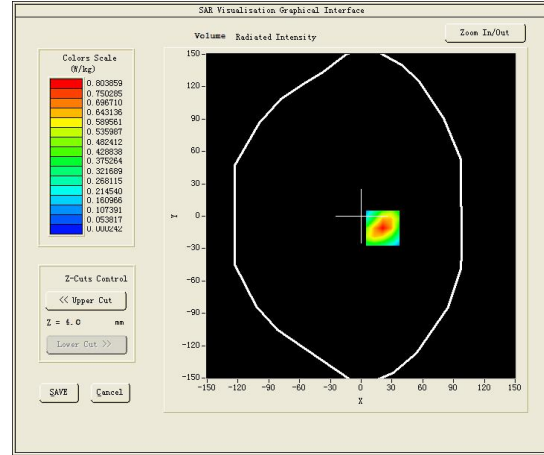
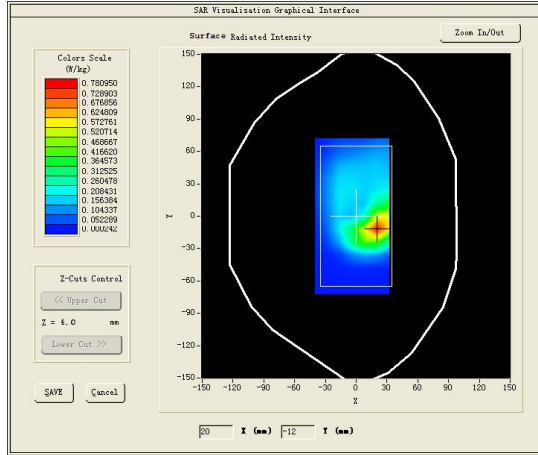
<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS1900 4Tx)</u>
<b><u>Channels</u></b>	<u>High</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

### B. SAR Measurement Results

<b>Frequency (MHz)</b>	1909.800049
<b>Relative permittivity (real part)</b>	40.000000
<b>Relative permittivity (imaginary part)</b>	13.195320
<b>Conductivity (S/m)</b>	1.400023
<b>Variation (%)</b>	2.200000

### SURFACE SAR

### VOLUME SAR



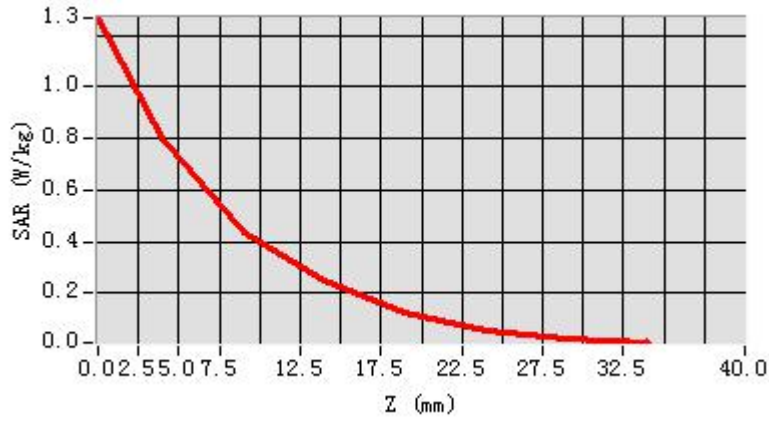
**Maximum location: X=21.00, Y=-11.00**

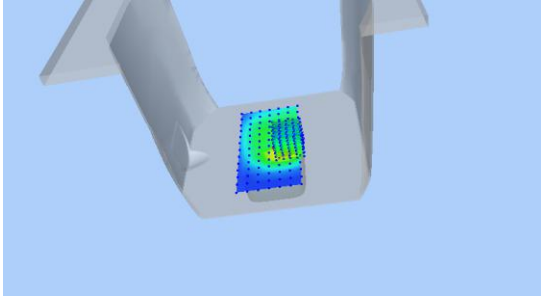
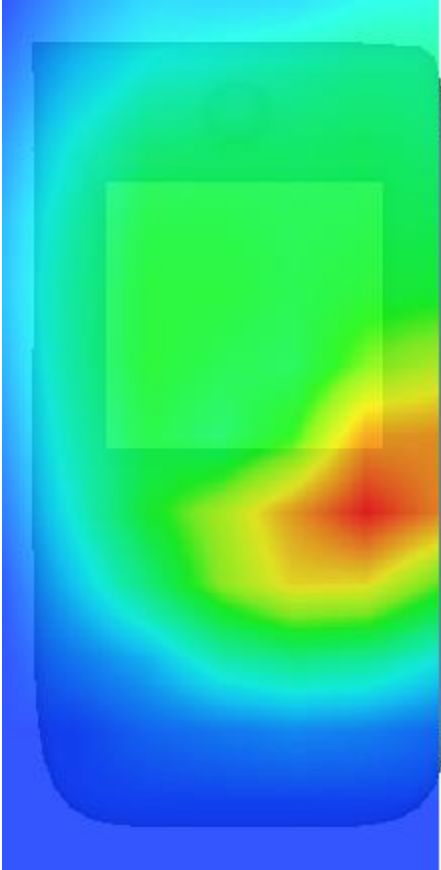
**SAR Peak: 1.26 W/kg**

<b>SAR 10g (W/Kg)</b>	0.346102
<b>SAR 1g (W/Kg)</b>	0.660496



<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>1.2660</b>	<b>0.8039</b>	<b>0.4345</b>	<b>0.2463</b>	<b>0.1224</b>	<b>0.0576</b>	<b>0.0263</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 87

Towards-phantom-low

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 53 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>Band2 WCDMA1900</u>
<b><u>Channels</u></b>	<u>Low</u>
<b><u>Signal</u></b>	<u>WCDMA (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

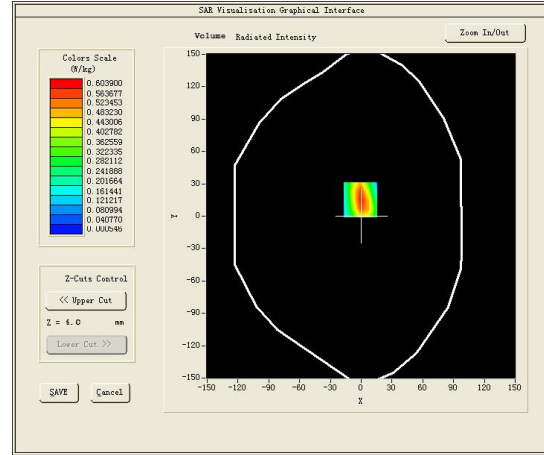
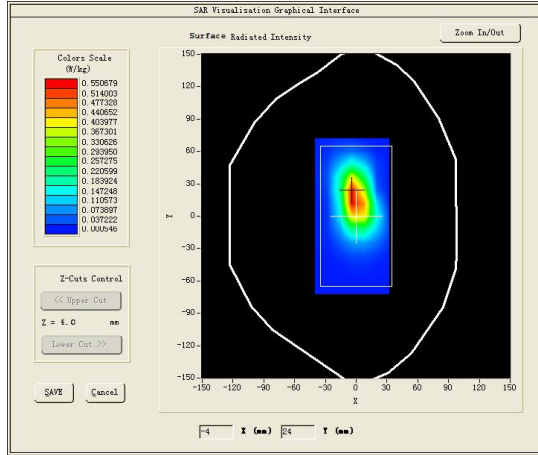
### **B. SAR Measurement Results**

Lower Band SAR (Channel 9262):

<b>Frequency (MHz)</b>	1852.400024
<b>Relative permittivity (real part)</b>	52.275101
<b>Relative permittivity (imaginary part)</b>	14.512000
<b>Conductivity (S/m)</b>	1.493446
<b>Variation (%)</b>	0.660000

### SURFACE SAR

### VOLUME SAR

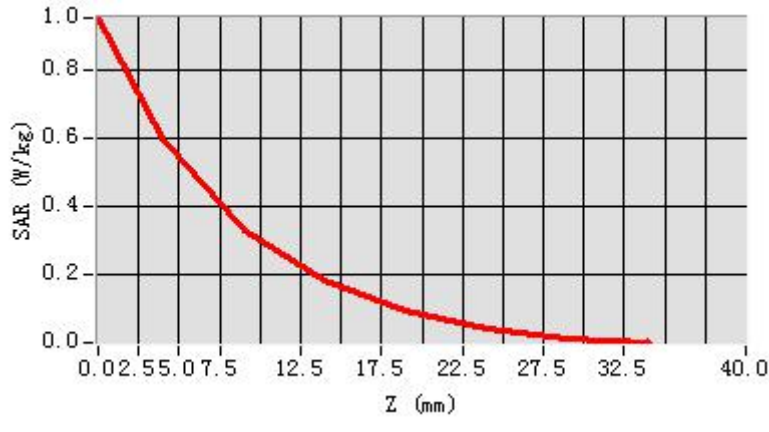


**Maximum location: X=-1.00, Y=15.00**

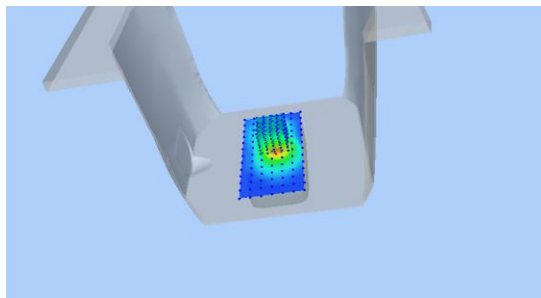
**SAR Peak: 0.95 W/kg**

<b>SAR 10g (W/Kg)</b>	0.285700
<b>SAR 1g (W/Kg)</b>	0.556058

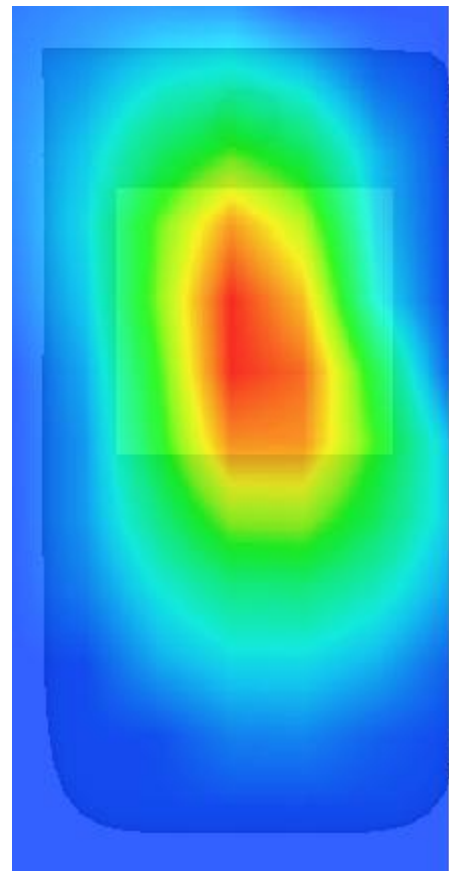
<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.9550</b>	<b>0.6039</b>	<b>0.3304</b>	<b>0.1822</b>	<b>0.0957</b>	<b>0.0456</b>	<b>0.0148</b>



**3D screen shot**



**Hot spot position**



## MEASUREMENT 88

Bottom-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 11 minutes 16 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>Band2 WCDMA1900</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>WCDMA (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

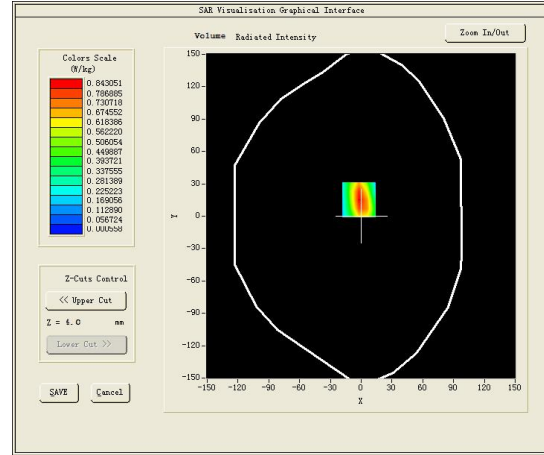
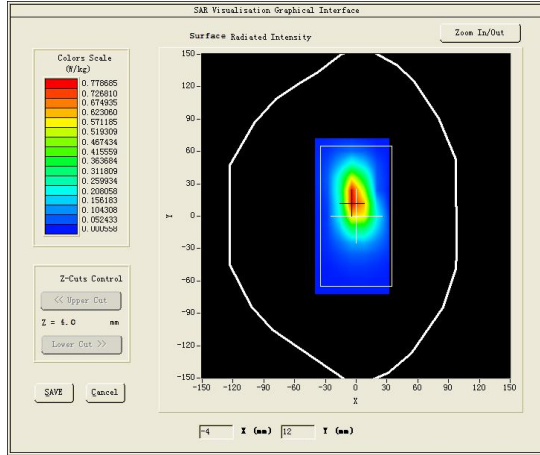
### **B. SAR Measurement Results**

Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	52.254398
<b>Relative permittivity (imaginary part)</b>	14.597900
<b>Conductivity (S/m)</b>	1.524670
<b>Variation (%)</b>	0.230000

### SURFACE SAR

### VOLUME SAR

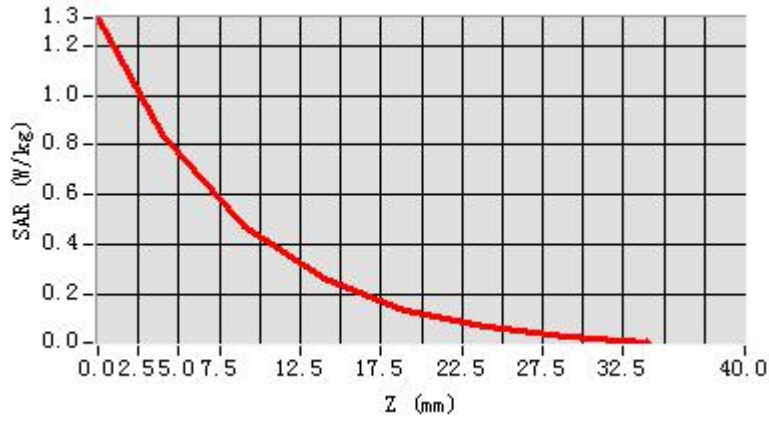


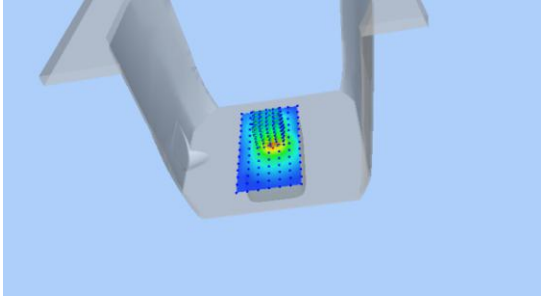
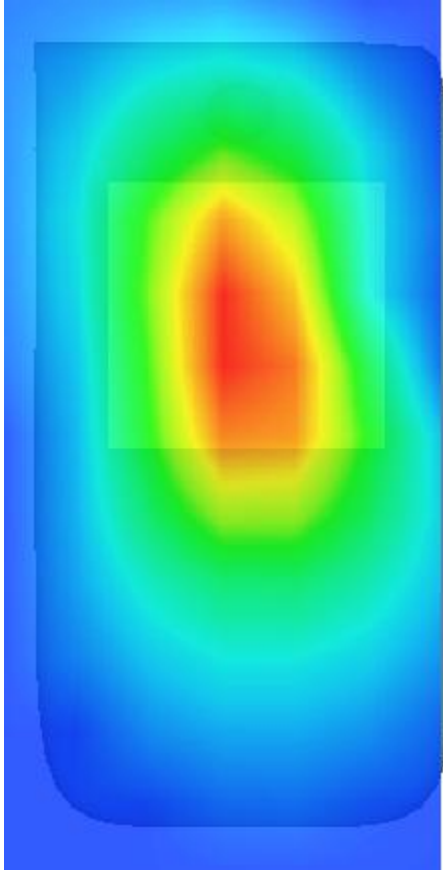
**Maximum location: X=-2.00, Y=15.00**

**SAR Peak: 1.33 W/kg**

<b>SAR 10g (W/Kg)</b>	0.257918
<b>SAR 1g (W/Kg)</b>	0.505695

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>1.3090</b>	<b>0.8431</b>	<b>0.4708</b>	<b>0.2625</b>	<b>0.1402</b>	<b>0.0715</b>	<b>0.0302</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 89

Left-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 6 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>Band2 WCDMA1900</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>WCDMA (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

### **B. SAR Measurement Results**

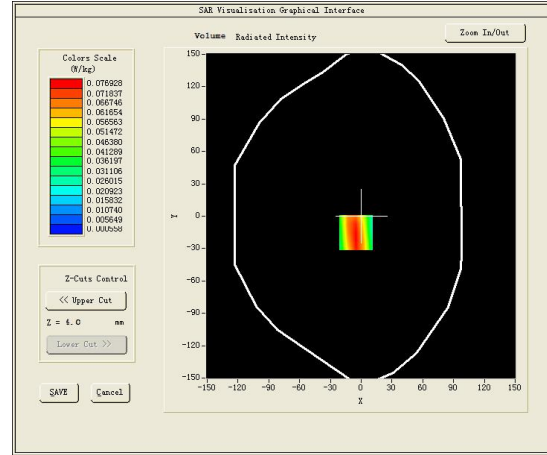
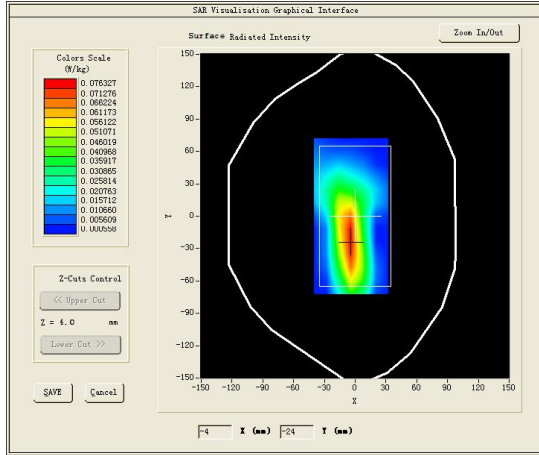
Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	52.254398
<b>Relative permittivity (imaginary part)</b>	14.597900
<b>Conductivity (S/m)</b>	1.524670
<b>Variation (%)</b>	2.020000



### SURFACE SAR

### VOLUME SAR

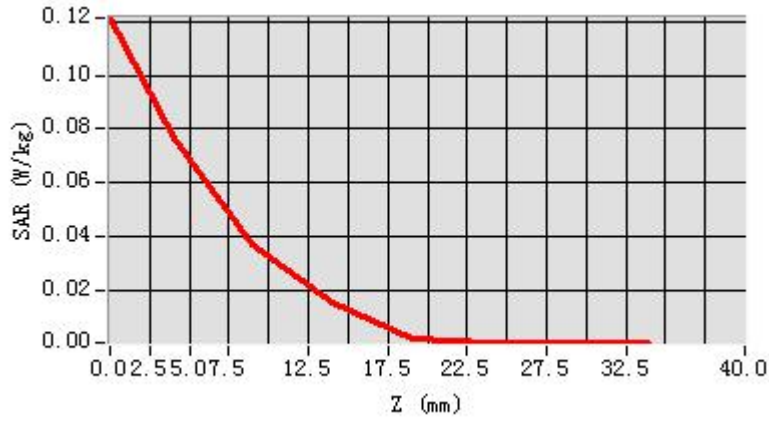


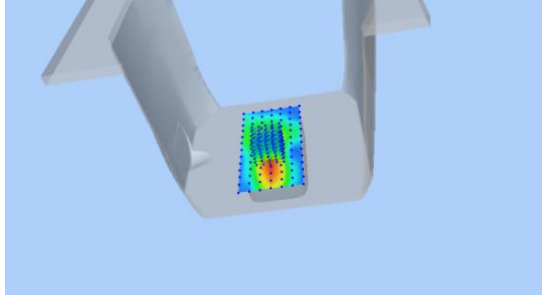
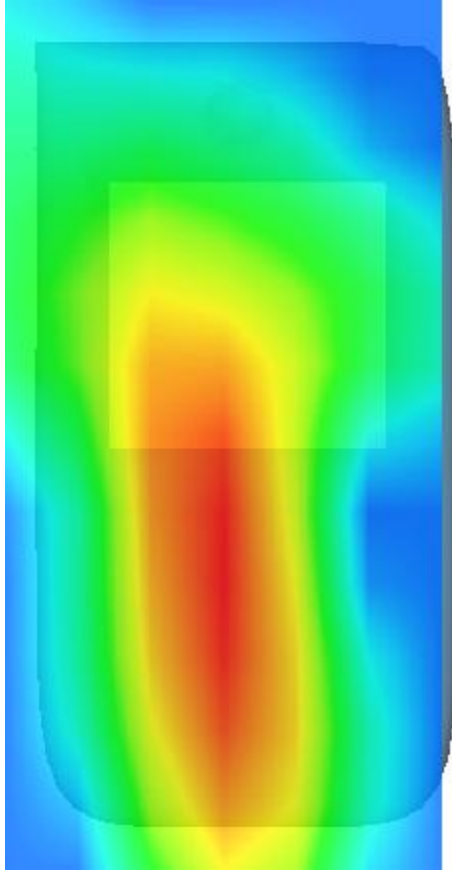
**Maximum location: X=-5.00, Y=-15.00**

**SAR Peak: 0.12 W/kg**

<b>SAR 10g (W/Kg)</b>	0.134905
<b>SAR 1g (W/Kg)</b>	0.171844

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.1213</b>	<b>0.0768</b>	<b>0.0372</b>	<b>0.0157</b>	<b>0.0022</b>	<b>0.0006</b>	<b>0.0006</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 90

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 11 minutes 59 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>Band2 WCDMA1900</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>WCDMA (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

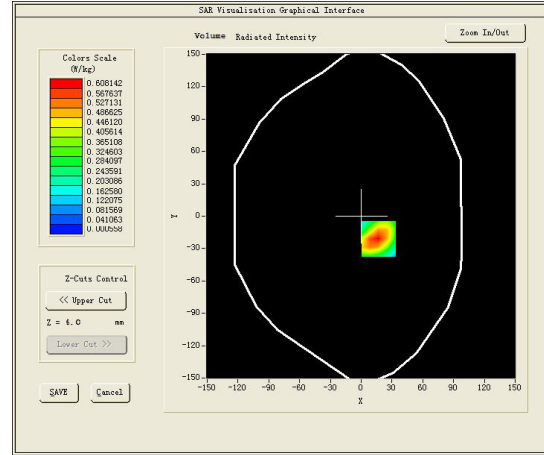
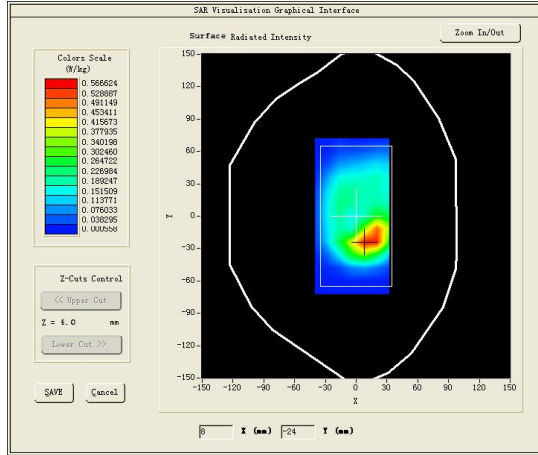
### **B. SAR Measurement Results**

Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	52.254398
<b>Relative permittivity (imaginary part)</b>	14.597900
<b>Conductivity (S/m)</b>	1.524670
<b>Variation (%)</b>	1.600000

### SURFACE SAR

### VOLUME SAR

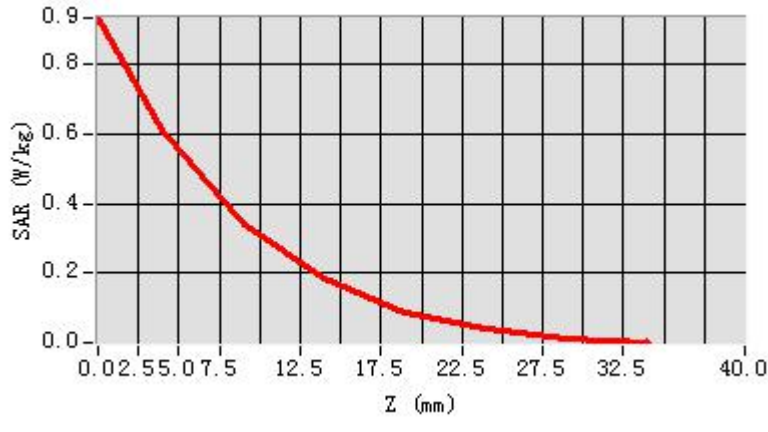


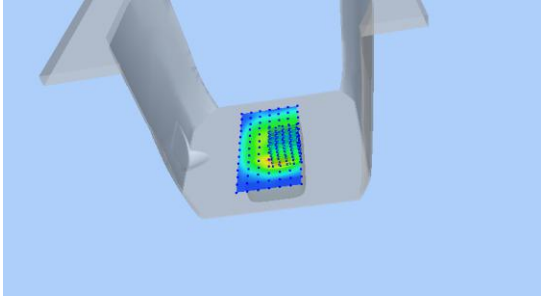
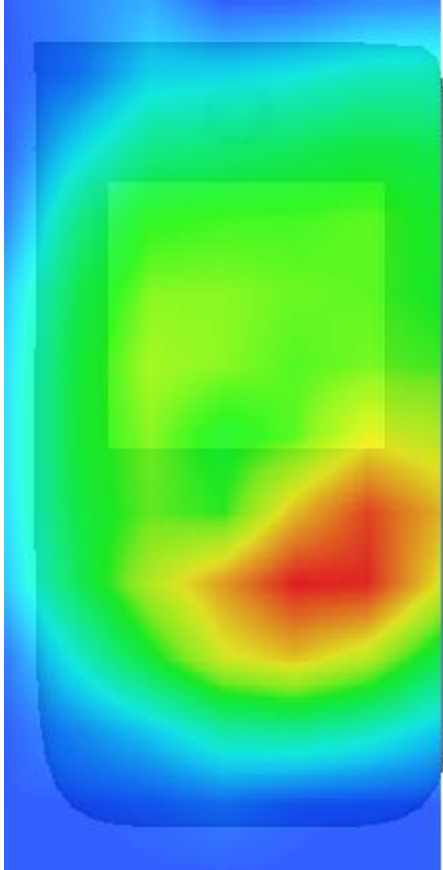
**Maximum location: X=17.00, Y=-21.00**

**SAR Peak: 0.95 W/kg**

<b>SAR 10g (W/Kg)</b>	0.204069
<b>SAR 1g (W/Kg)</b>	0.414214

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.9317</b>	<b>0.6081</b>	<b>0.3375</b>	<b>0.1845</b>	<b>0.0889</b>	<b>0.0396</b>	<b>0.0159</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 91

Towards-phantom-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 32 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>Band2 WCDMA1900</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>WCDMA (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

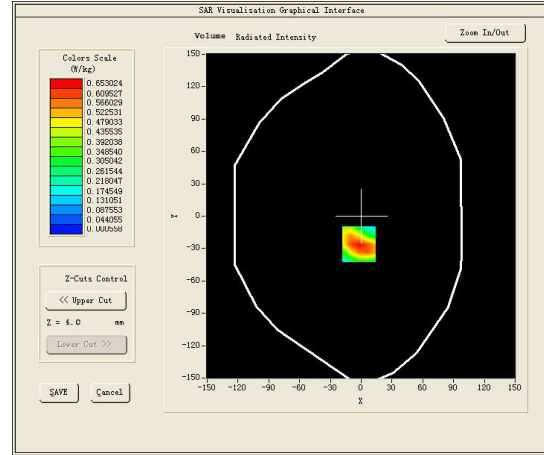
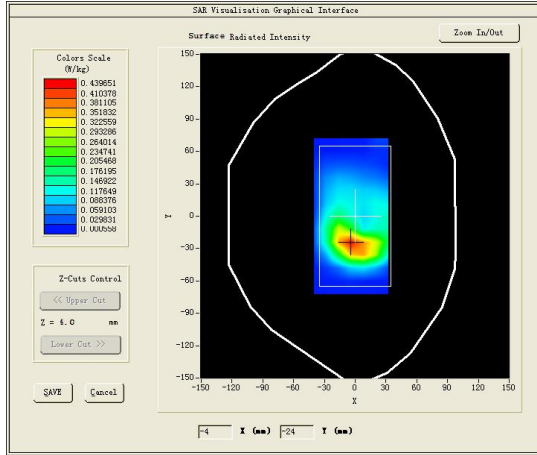
### **B. SAR Measurement Results**

Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	52.254398
<b>Relative permittivity (imaginary part)</b>	14.597900
<b>Conductivity (S/m)</b>	1.524670
<b>Variation (%)</b>	2.000000

### SURFACE SAR

### VOLUME SAR

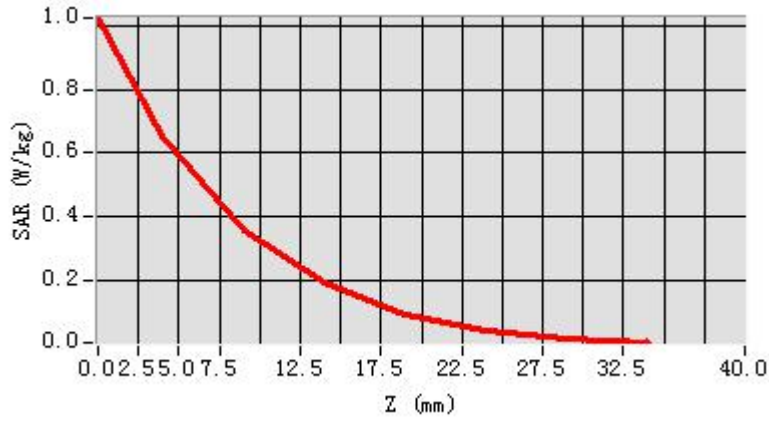


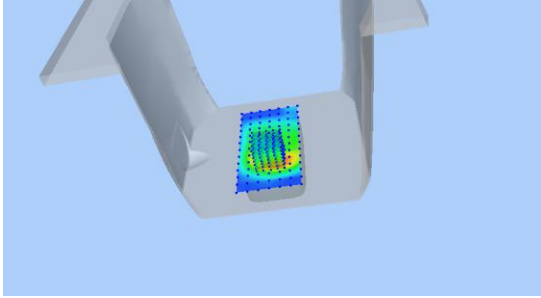
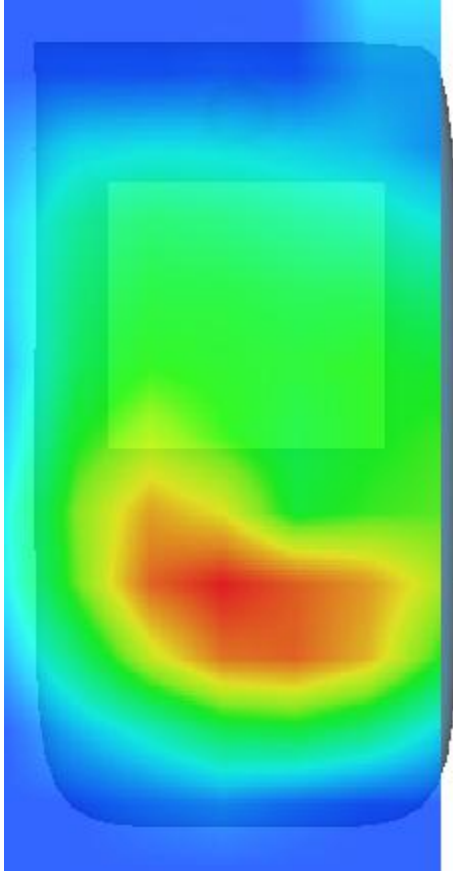
**Maximum location: X=-2.00, Y=-26.00**

**SAR Peak: 1.04 W/kg**

<b>SAR 10g (W/Kg)</b>	0.310340
<b>SAR 1g (W/Kg)</b>	0.556220

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.0238	0.6530	0.3554	0.1907	0.0946	0.0428	0.0163



3D screen shot	Hot spot position
	



## MEASUREMENT 92

Towards-phantom-high

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 46 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>Band2 WCDMA1900</u>
<b><u>Channels</u></b>	<u>High</u>
<b><u>Signal</u></b>	<u>WCDMA (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

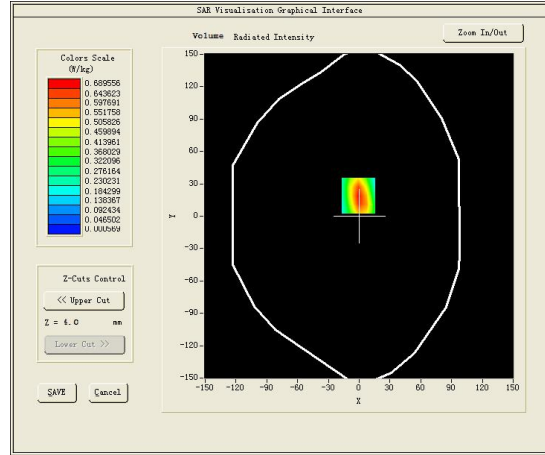
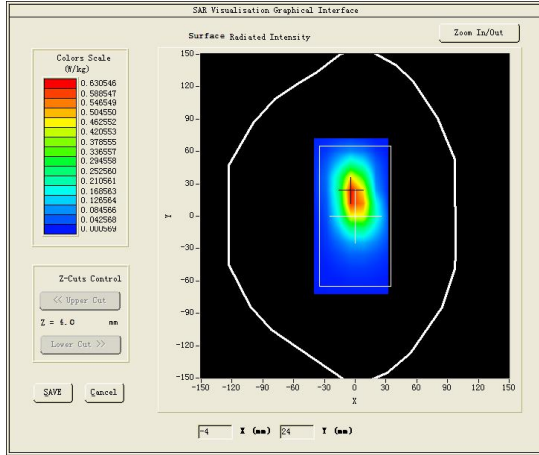
### **B. SAR Measurement Results**

Higher Band SAR (Channel 9538):

<b>Frequency (MHz)</b>	1907.599976
<b>Relative permittivity (real part)</b>	52.233501
<b>Relative permittivity (imaginary part)</b>	14.683700
<b>Conductivity (S/m)</b>	1.556146
<b>Variation (%)</b>	0.100000

### SURFACE SAR

### VOLUME SAR

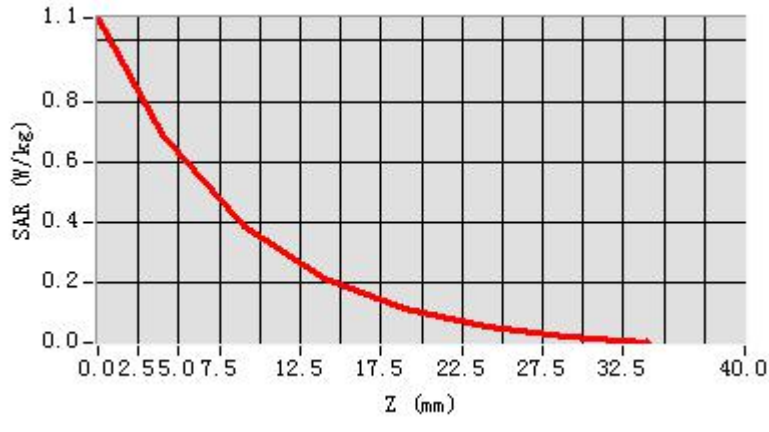


**Maximum location: X=-1.00, Y=19.00**

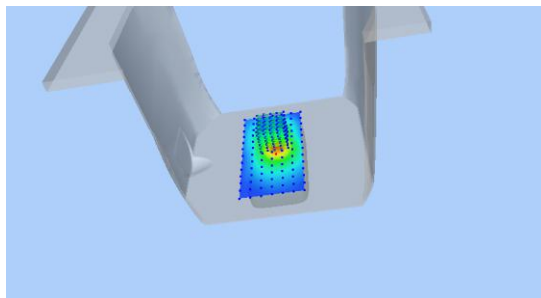
**SAR Peak: 1.08 W/kg**

<b>SAR 10g (W/Kg)</b>	0.320404
<b>SAR 1g (W/Kg)</b>	0.601891

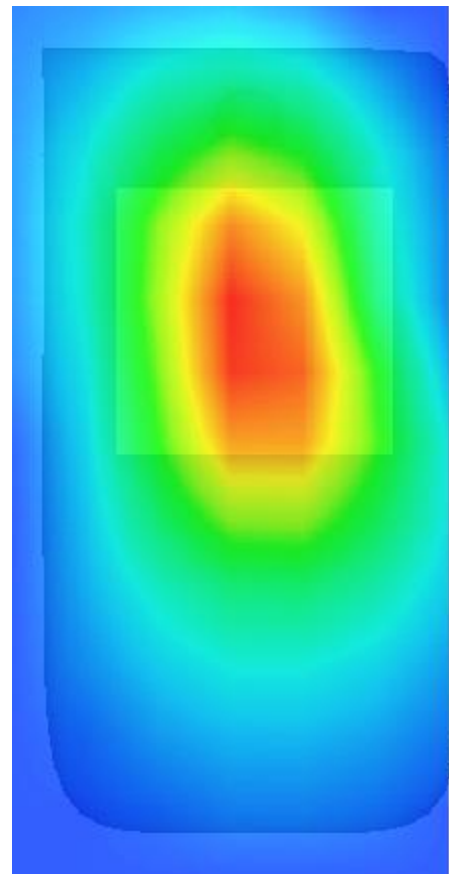
<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>1.0750</b>	<b>0.6896</b>	<b>0.3838</b>	<b>0.2127</b>	<b>0.1132</b>	<b>0.0545</b>	<b>0.0198</b>



**3D screen shot**



**Hot spot position**



## MEASUREMENT 93

Towards-phantom-low

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 50 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>Band4 WCDMA1700</u>
<b><u>Channels</u></b>	<u>Low</u>
<b><u>Signal</u></b>	<u>WCDMA (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.16</u>

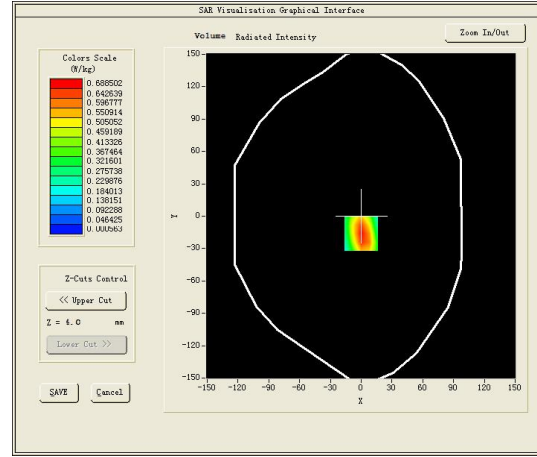
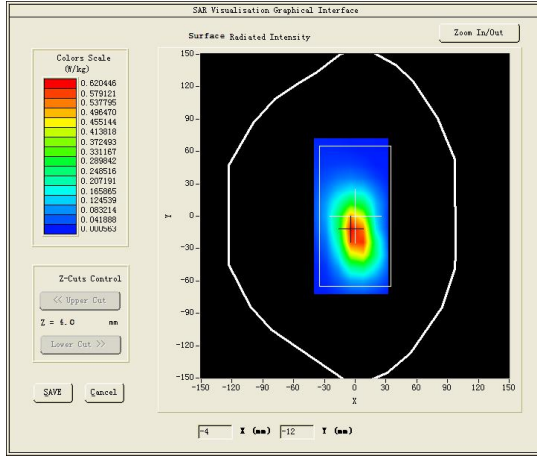
### **B. SAR Measurement Results**

Lower Band SAR (Channel 1312):

<b>Frequency (MHz)</b>	1712.400000
<b>Relative permittivity (real part)</b>	53.459099
<b>Relative permittivity (imaginary part)</b>	14.667500
<b>Conductivity (S/m)</b>	1.395042
<b>Variation (%)</b>	-0.820000

### SURFACE SAR

### VOLUME SAR

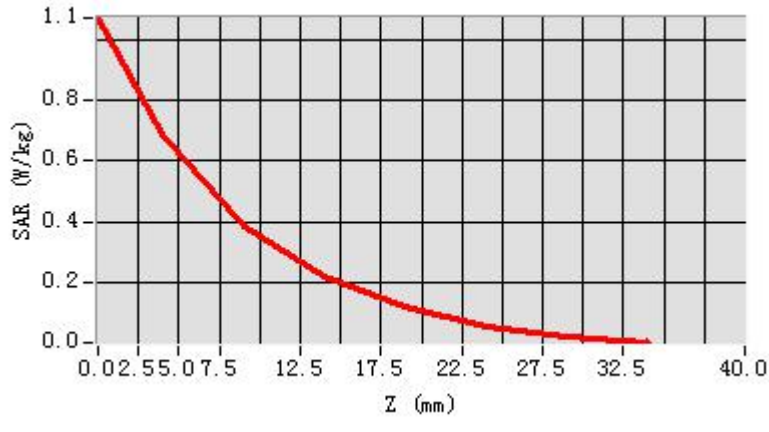


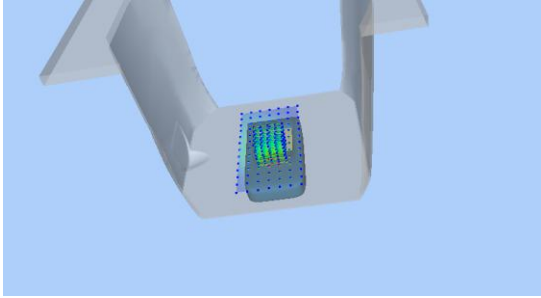
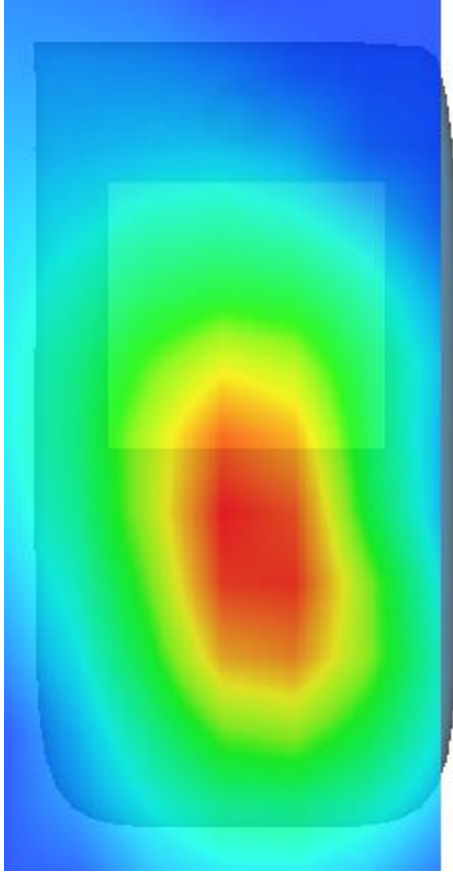
**Maximum location: X=0.00, Y=-16.00**

**SAR Peak: 1.13 W/kg**

<b>SAR 10g (W/Kg)</b>	0.301836
<b>SAR 1g (W/Kg)</b>	0.515385

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>1.0713</b>	<b>0.6885</b>	<b>0.3858</b>	<b>0.2194</b>	<b>0.1193</b>	<b>0.0589</b>	<b>0.0226</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 94

Bottom-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 52 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>Band4 WCDMA1700</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>WCDMA (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.16</u>

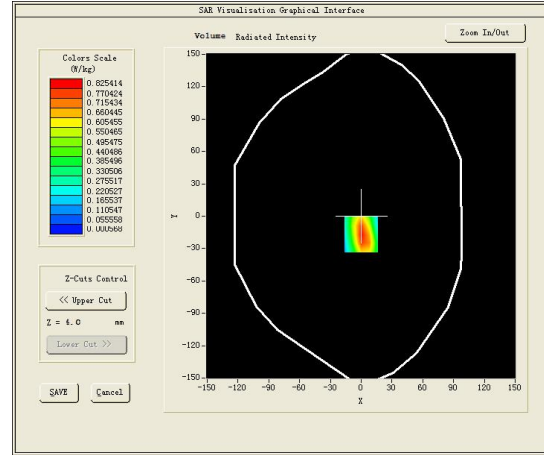
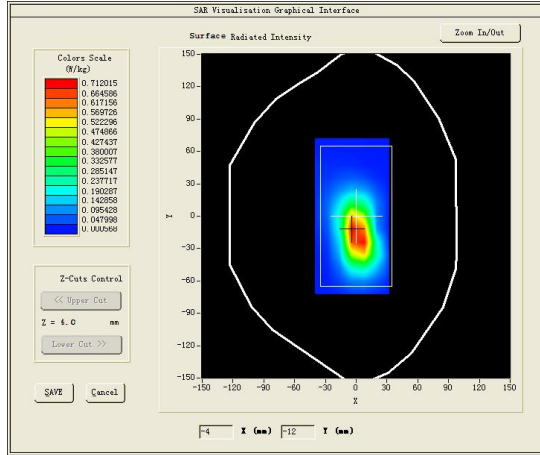
### **B. SAR Measurement Results**

Middle Band SAR (Channel 1413):

<b>Frequency (MHz)</b>	1732.500000
<b>Relative permittivity (real part)</b>	53.297798
<b>Relative permittivity (imaginary part)</b>	14.675700
<b>Conductivity (S/m)</b>	1.412128
<b>Variation (%)</b>	1.080000

### SURFACE SAR

### VOLUME SAR



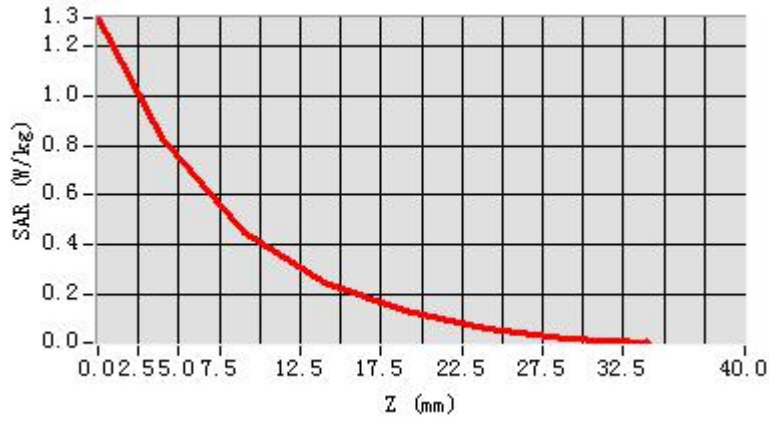
**Maximum location: X=0.00, Y=-17.00**

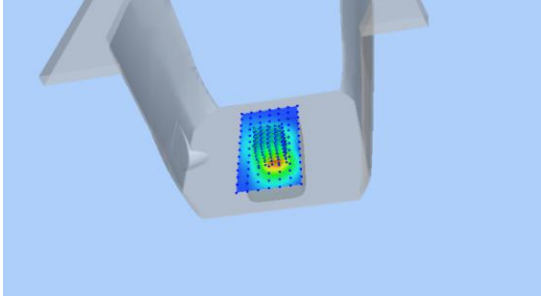
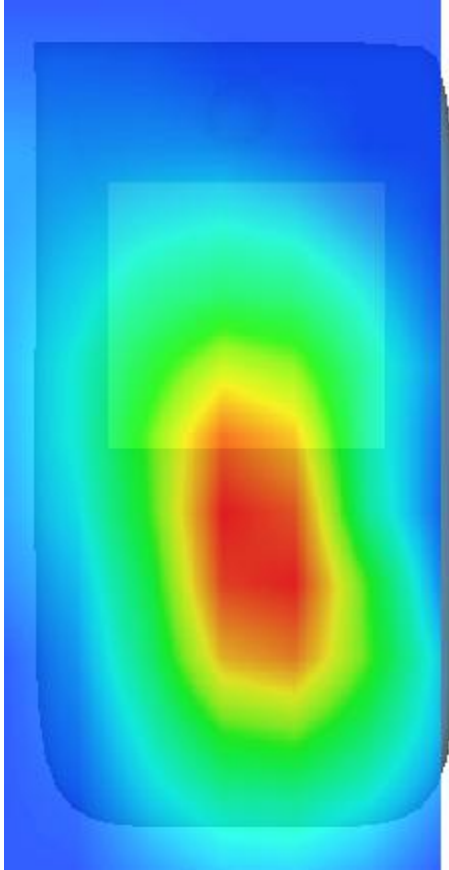
**SAR Peak: 1.40 W/kg**

<b>SAR 10g (W/Kg)</b>	0.191963
<b>SAR 1g (W/Kg)</b>	0.322750



Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.3150	0.8254	0.4465	0.2454	0.1299	0.0625	0.0232



3D screen shot	Hot spot position
	

## MEASUREMENT 95

Left-edge-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 8 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>Band4 WCDMA1700</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>WCDMA (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.16</u>

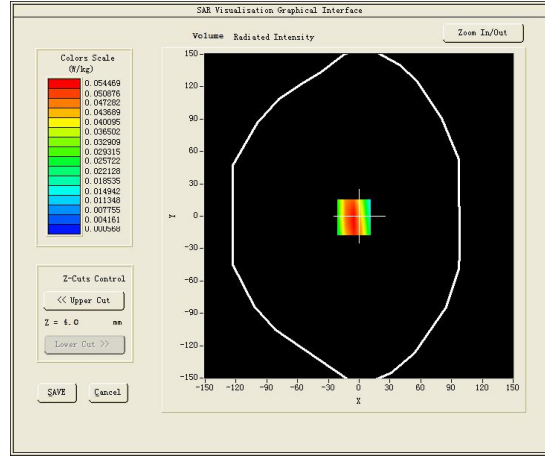
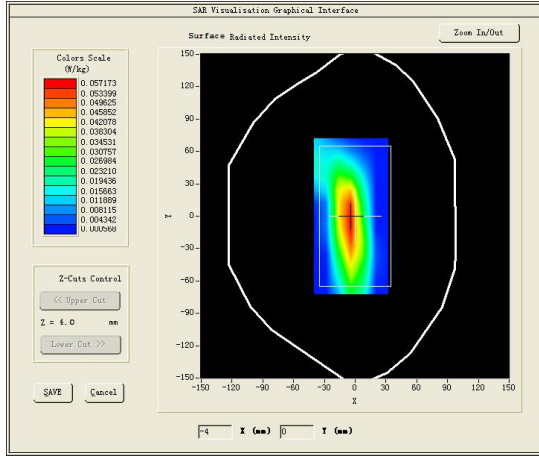
### **B. SAR Measurement Results**

Middle Band SAR (Channel 1413):

<b>Frequency (MHz)</b>	1732.500000
<b>Relative permittivity (real part)</b>	53.297798
<b>Relative permittivity (imaginary part)</b>	14.675700
<b>Conductivity (S/m)</b>	1.412128
<b>Variation (%)</b>	-1.060000

### SURFACE SAR

### VOLUME SAR

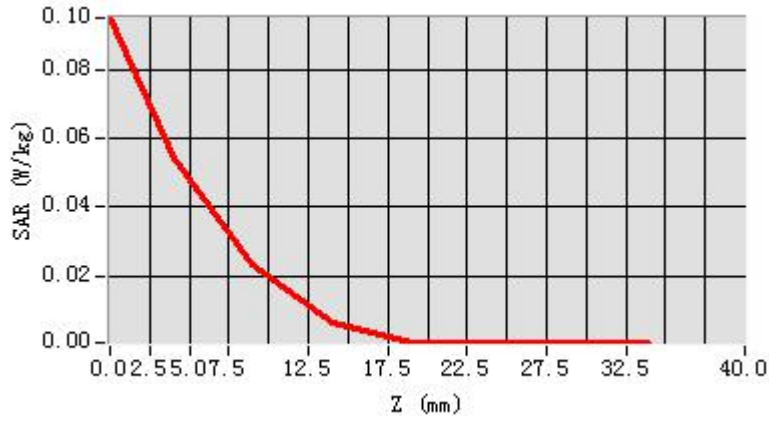


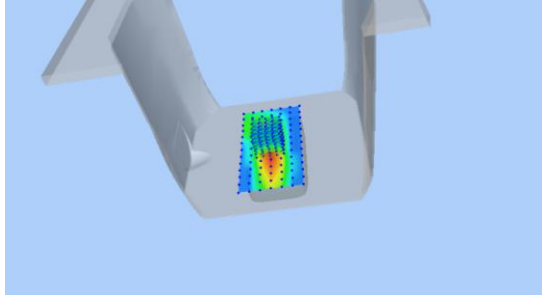
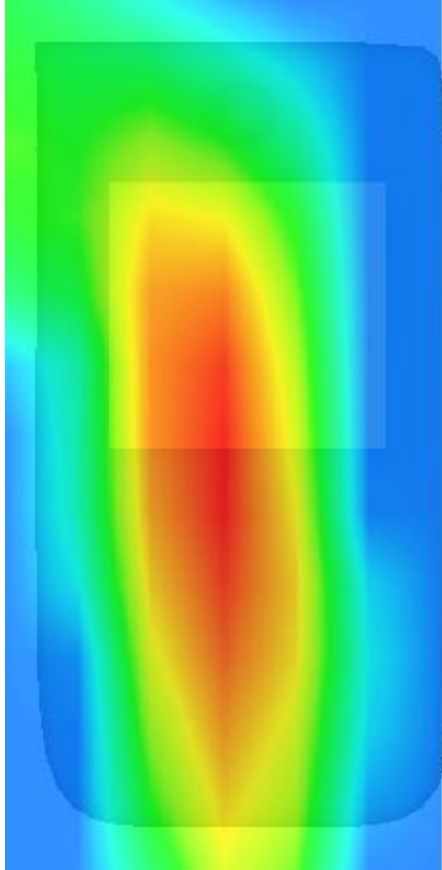
**Maximum location: X=-5.00, Y=-1.00**

**SAR Peak: 0.10 W/kg**

<b>SAR 10g (W/Kg)</b>	0.024766
<b>SAR 1g (W/Kg)</b>	0.054212

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.0951</b>	<b>0.0545</b>	<b>0.0233</b>	<b>0.0062</b>	<b>0.0006</b>	<b>0.0006</b>	<b>0.0006</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 96

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 12 minutes 1 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>Band4 WCDMA1700</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>WCDMA (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.16</u>

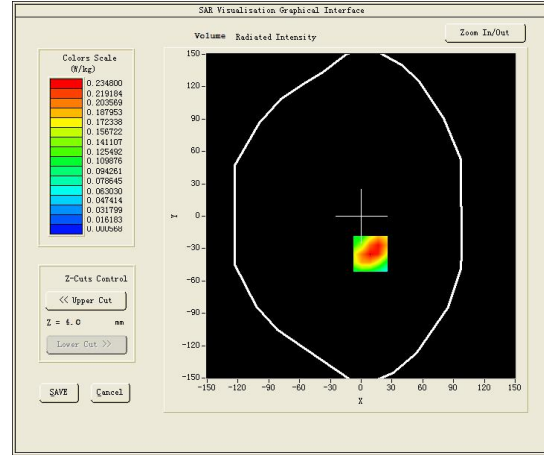
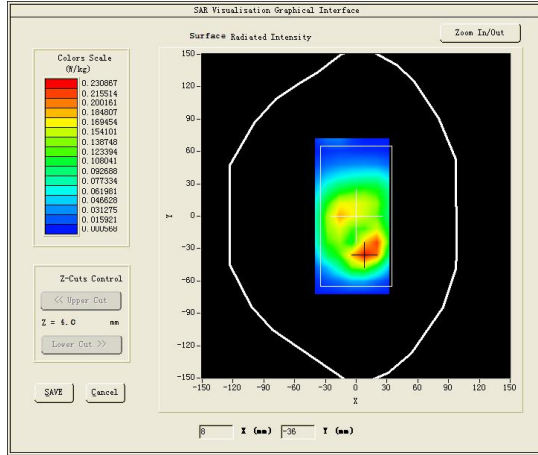
### **B. SAR Measurement Results**

Middle Band SAR (Channel 1413):

<b>Frequency (MHz)</b>	1732.500000
<b>Relative permittivity (real part)</b>	53.297798
<b>Relative permittivity (imaginary part)</b>	14.675700
<b>Conductivity (S/m)</b>	1.412128
<b>Variation (%)</b>	1.440000

### SURFACE SAR

### VOLUME SAR

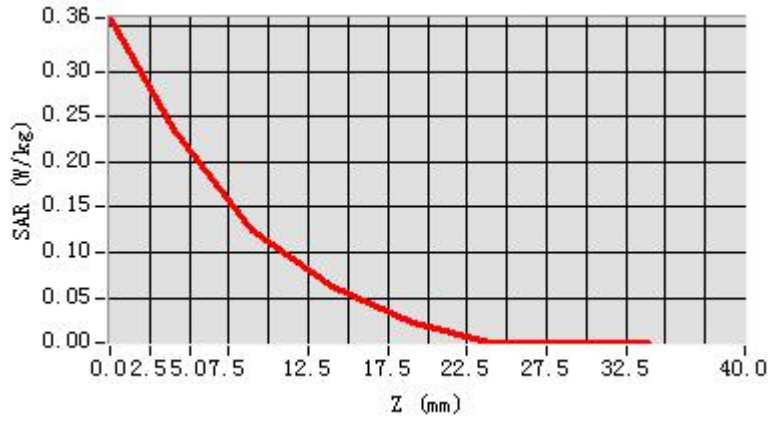


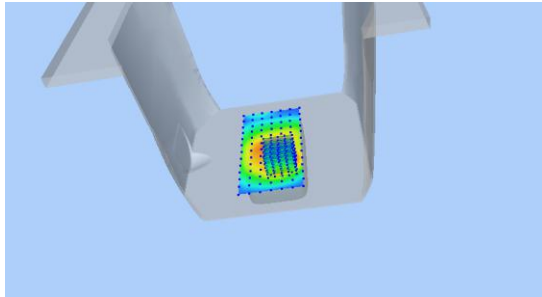
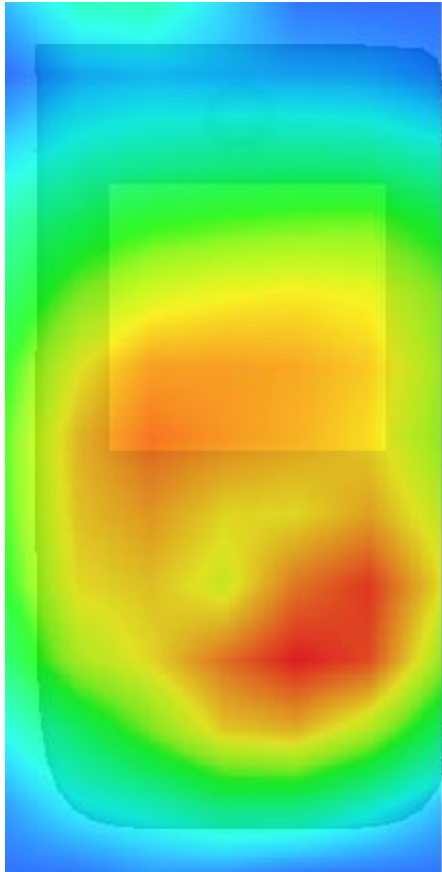
**Maximum location: X=9.00, Y=-35.00**

**SAR Peak: 0.41 W/kg**

<b>SAR 10g (W/Kg)</b>	0.100710
<b>SAR 1g (W/Kg)</b>	0.220360

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.3588</b>	<b>0.2348</b>	<b>0.1251</b>	<b>0.0628</b>	<b>0.0231</b>	<b>0.0008</b>	<b>0.0006</b>



<b>3D screen shot</b>	<b>Hot spot position</b>
	

## MEASUREMENT 97

Towards-phantom-middle

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 10 minutes 19 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>Band4 WCDMA1700</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>WCDMA (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.16</u>

### **B. SAR Measurement Results**

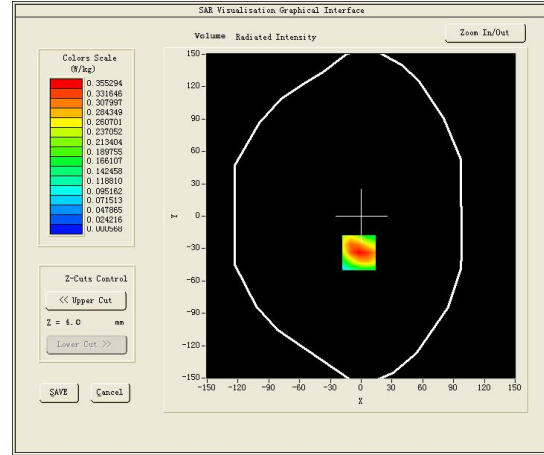
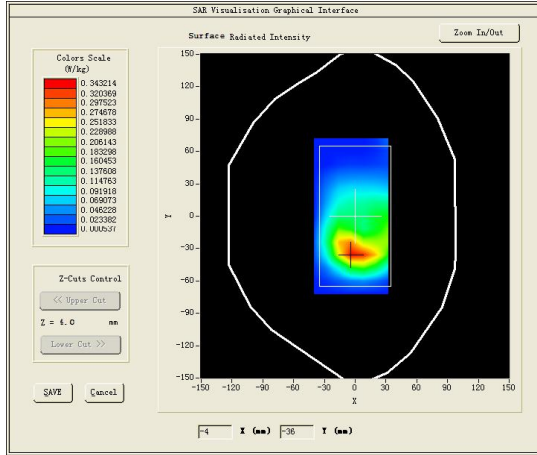
Middle Band SAR (Channel 1413):

<b>Frequency (MHz)</b>	1732.500000
<b>Relative permittivity (real part)</b>	53.297798
<b>Relative permittivity (imaginary part)</b>	14.675700
<b>Conductivity (S/m)</b>	1.412128
<b>Variation (%)</b>	0.900000



### SURFACE SAR

### VOLUME SAR

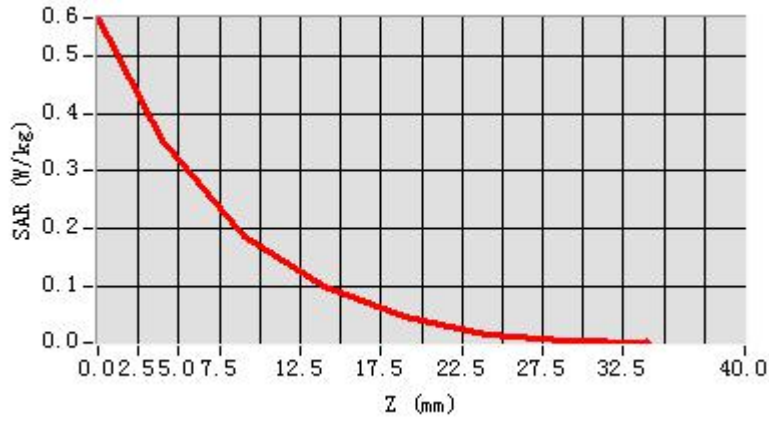


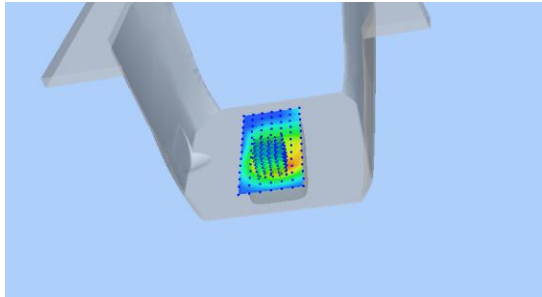
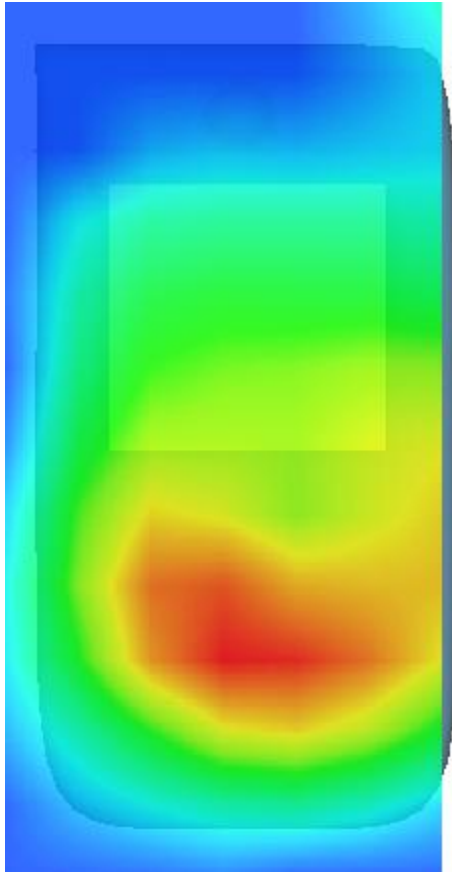
**Maximum location: X=-2.00, Y=-34.00**

**SAR Peak: 0.59 W/kg**

<b>SAR 10g (W/Kg)</b>	0.123049
<b>SAR 1g (W/Kg)</b>	0.341226

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.5673</b>	<b>0.3553</b>	<b>0.1867</b>	<b>0.0986</b>	<b>0.0444</b>	<b>0.0159</b>	<b>0.0040</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 98

Towards-phantom-high

Type: Phone measurement (Complete)

Date of measurement: 26/8/2016

Measurement duration: 11 minutes 38 seconds

### **A. Experimental conditions.**

<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>Band4 WCDMA1700</u>
<b><u>Channels</u></b>	<u>High</u>
<b><u>Signal</u></b>	<u>WCDMA (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.16</u>

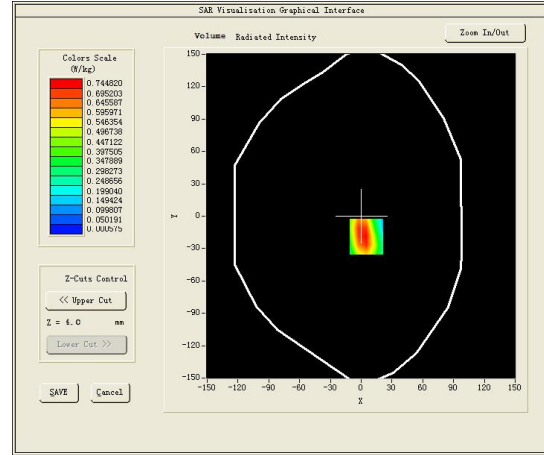
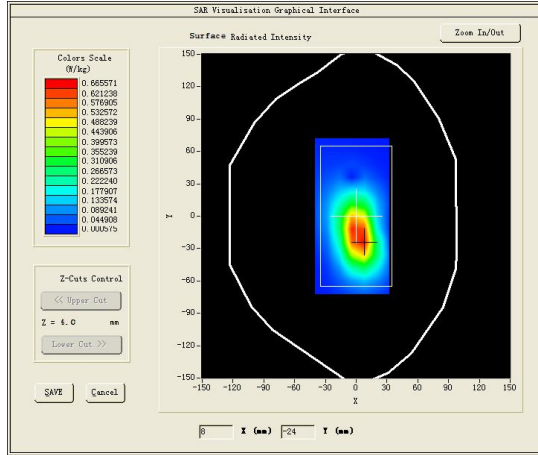
### **B. SAR Measurement Results**

Higher Band SAR (Channel 1513):

<b>Frequency (MHz)</b>	1752.600000
<b>Relative permittivity (real part)</b>	53.309200
<b>Relative permittivity (imaginary part)</b>	14.687100
<b>Conductivity (S/m)</b>	1.429544
<b>Variation (%)</b>	2.100000

### SURFACE SAR

### VOLUME SAR

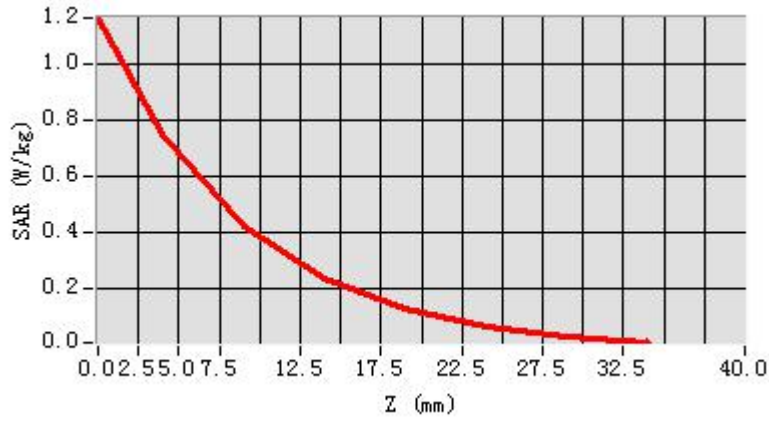


**Maximum location: X=5.00, Y=-19.00**

**SAR Peak: 1.27 W/kg**

<b>SAR 10g (W/Kg)</b>	0.374045
<b>SAR 1g (W/Kg)</b>	0.661379

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>1.1625</b>	<b>0.7448</b>	<b>0.4163</b>	<b>0.2328</b>	<b>0.1274</b>	<b>0.0622</b>	<b>0.0232</b>



3D screen shot	Hot spot position
