	<h2>Annex B: Measurement Results</h2>
	<h3>Project Name : W5</h3>
	<h3>Report Number: FCC16104036A-6</h3>

## I. RESULTS

<u>TYPE</u>	<u>BAND</u>	<u>PARAMETERS</u>
Phone	Band2_W CDMA190 0	Measurement 1: Left Head with Cheek device position on Middle Channel in WCDMA mode
Phone	Band2_W CDMA190 0	Measurement 2: Validation Plane with Body device position on Middle Channel in WCDMA mode
Phone	Band2_W CDMA190 0	Measurement 3: Validation Plane with Body device position on Middle Channel in WCDMA mode
Phone	Band4_W CDMA170 0	Measurement 4: Right Head with Cheek device position on Middle Channel in WCDMA mode
Phone	Band4_W CDMA170 0	Measurement 5: Validation Plane with Body device position on Middle Channel in WCDMA mode
Phone	Band4_W CDMA170 0	Measurement 6: Validation Plane with Body device position on Middle Channel in WCDMA mode
Phone	Band5_W CDMA850	Measurement 7: Right Head with Cheek device position on Middle Channel in WCDMA mode

<b>Phone</b>	<b>Band5_W CDMA850</b>	<u>Measurement 8</u> : Validation Plane with Body device position on Middle Channel in WCDMA mode
<b>Phone</b>	<b>Band5_W CDMA850</b>	<u>Measurement 9</u> : Validation Plane with Body device position on Middle Channel in WCDMA mode
<b>Phone</b>	<b>IEEE 802.11b ISM</b>	<u>Measurement 10</u> : Right Head with Cheek device position on Middle Channel in --- mode
<b>Phone</b>	<b>IEEE 802.11b ISM</b>	<u>Measurement 11</u> : Validation Plane with Body device position on Middle Channel in --- mode
<b>Phone</b>	<b>IEEE 802.11b ISM</b>	<u>Measurement 12</u> : Validation Plane with Body device position on Middle Channel in --- mode
<b>Phone</b>	<b>LTE band 2</b>	<u>Measurement 13</u> : Left Head with Cheek device position on Middle Channel in --- mode
<b>Phone</b>	<b>LTE band 2</b>	<u>Measurement 14</u> : Validation Plane with Body device position on Middle Channel in --- mode
<b>Phone</b>	<b>LTE band 2</b>	<u>Measurement 15</u> : Validation Plane with Body device position on Middle Channel in --- mode
<b>Phone</b>	<b>LTE band 4</b>	<u>Measurement 16</u> : Right Head with Cheek device position on Middle Channel in --- mode
<b>Phone</b>	<b>LTE band 4</b>	<u>Measurement 17</u> : Validation Plane with Body device position on Middle Channel in --- mode
<b>Phone</b>	<b>LTE band 4</b>	<u>Measurement 18</u> : Validation Plane with Body device position on Middle Channel in --- mode
<b>Phone</b>	<b>LTE band 5</b>	<u>Measurement 19</u> : Right Head with Cheek device position on Middle Channel in --- mode
<b>Phone</b>	<b>LTE band 5</b>	<u>Measurement 20</u> : Validation Plane with Body device position on Middle Channel in --- mode
<b>Phone</b>	<b>LTE band 5</b>	<u>Measurement 21</u> : Validation Plane with Body device position on Middle Channel in --- mode
<b>Phone</b>	<b>CUSTOM</b>	<u>Measurement 22</u> : Right Head with Cheek device position (band GPRS850_4Tx)
<b>Phone</b>	<b>CUSTOM</b>	<u>Measurement 23</u> : Left Head with Cheek device position (band GPRS850_4Tx)

<b>Phone</b>	<b>CUSTOM</b>	<u>Measurement 24</u> : Validation Plane with Body device position (band GPRS850_4Tx)
<b>Phone</b>	<b>CUSTOM</b>	<u>Measurement 25</u> : Validation Plane with Body device position (band GPRS850_4Tx)
<b>Phone</b>	<b>CUSTOM</b>	<u>Measurement 26</u> : Validation Plane with Body device position (band GPRS1900_4Tx)
<b>Phone</b>	<b>CUSTOM</b>	<u>Measurement 27</u> : Validation Plane with Body device position (band GPRS1900_4Tx)

## MEASUREMENT 1

Type: Phone measurement (Complete)

Date of measurement: 15/10/2016

Measurement duration: 10 minutes 20 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<b><u>Phantom</u></b>	<u>Left head</u>
<b><u>Device Position</u></b>	<u>Cheek</u>
<b><u>Band</u></b>	<u>Band2 WCDMA1900</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.63</u>

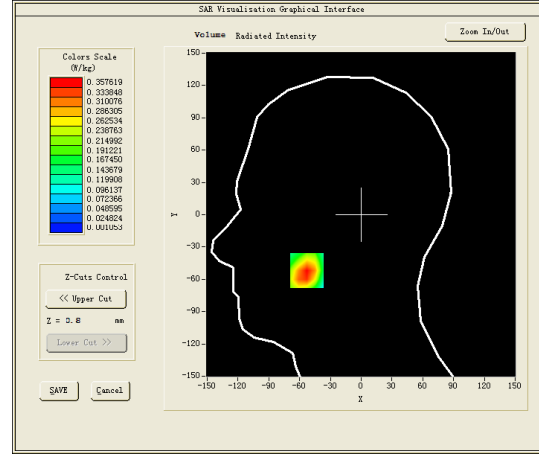
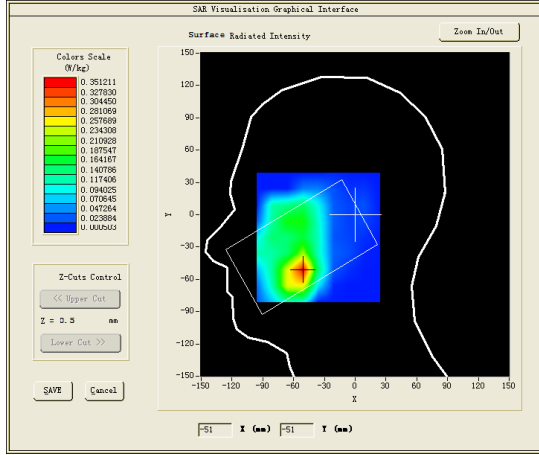
### **B. SAR Measurement Results**

Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	39.914200
<b>Relative permittivity (imaginary part)</b>	13.434300
<b>Conductivity (S/m)</b>	1.403138
<b>Variation (%)</b>	3.150000

### SURFACE SAR

### VOLUME SAR

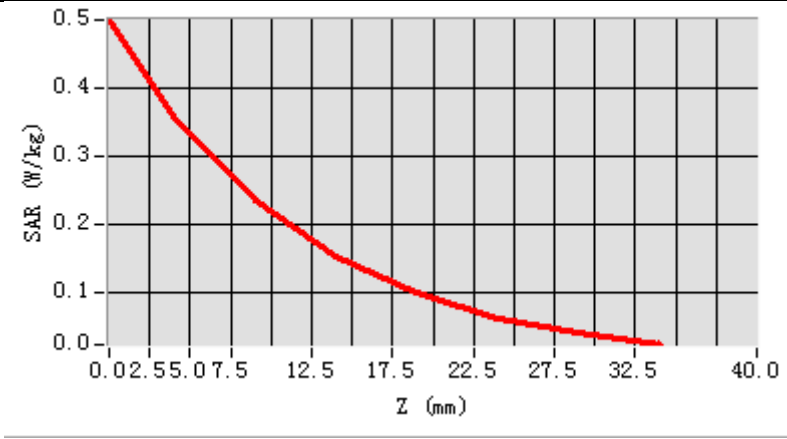


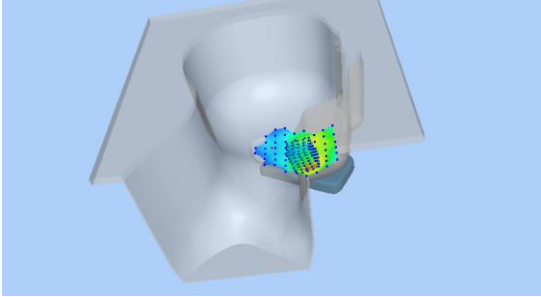
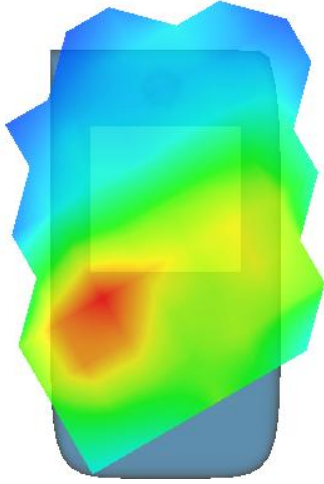
**Maximum location: X=-53.00, Y=-52.00**

**SAR Peak: 0.52 W/kg**

<b>SAR 10g (W/Kg)</b>	0.198691
<b>SAR 1g (W/Kg)</b>	0.343763

<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>0.4999</b>	<b>0.3576</b>	<b>0.2336</b>	<b>0.1518</b>	<b>0.1006</b>	<b>0.0619</b>	<b>0.0400</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 2

Bottom-side-middle

Type: Phone measurement (Complete)

Date of measurement: 15/10/2016

Measurement duration: 10 minutes 32 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</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>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

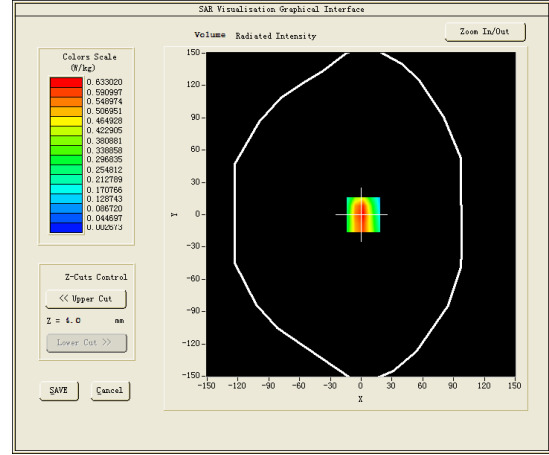
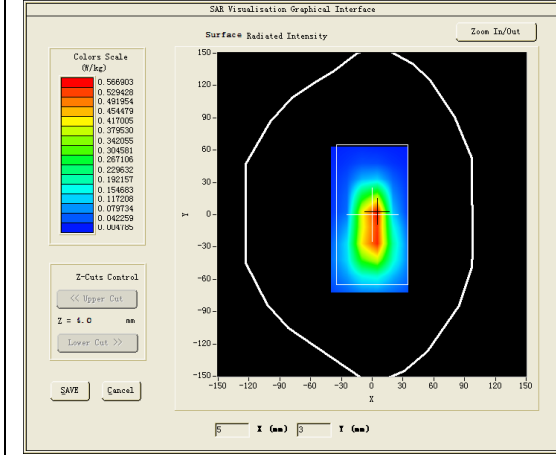
### **B. SAR Measurement Results**

Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	53.356098
<b>Relative permittivity (imaginary part)</b>	14.668600
<b>Conductivity (S/m)</b>	1.532054
<b>Variation (%)</b>	-1.330000

### SURFACE SAR

### VOLUME SAR



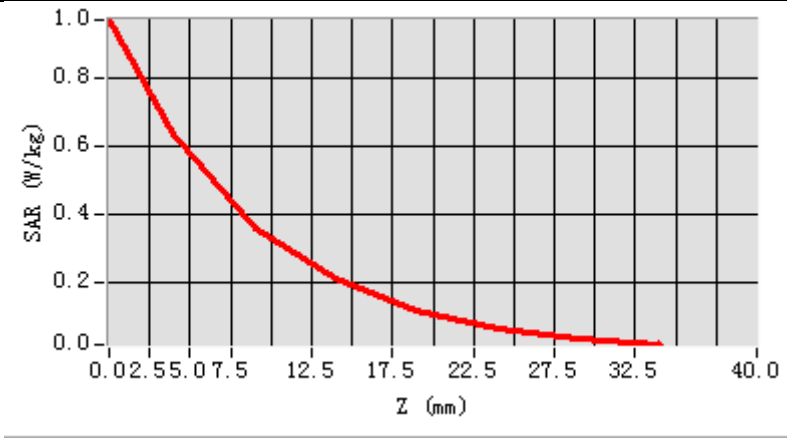
**Maximum location: X=2.00, Y=0.00**

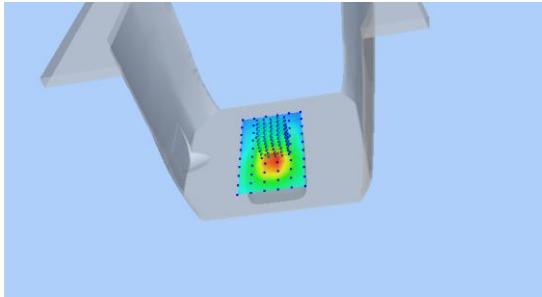
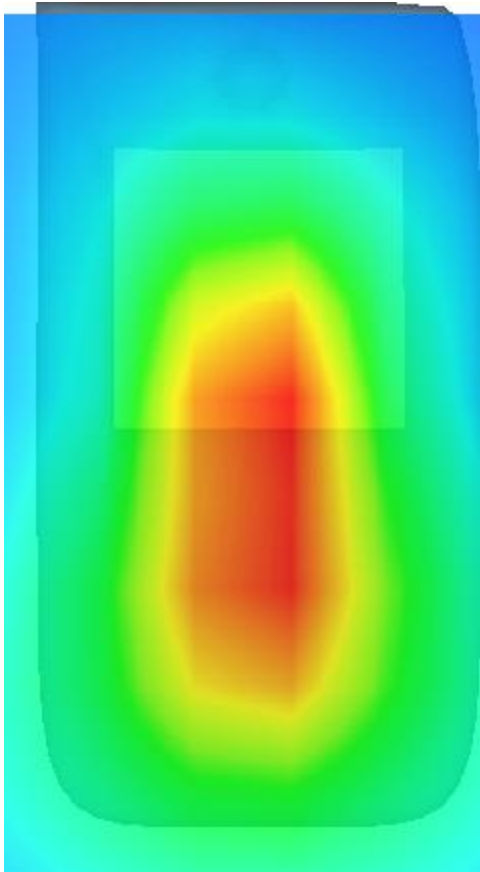
**SAR Peak: 1.11 W/kg**

<b>SAR 10g (W/Kg)</b>	0.345553
<b>SAR 1g (W/Kg)</b>	0.663728



Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.9709	0.6330	0.3616	0.2099	0.1187	0.0664	0.0357



3D screen shot	Hot spot position
	

## MEASUREMENT 3

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 15/10/2016

Measurement duration: 8 minutes 56 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</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>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

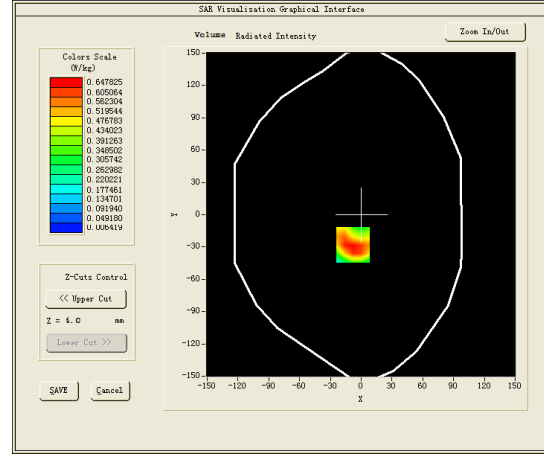
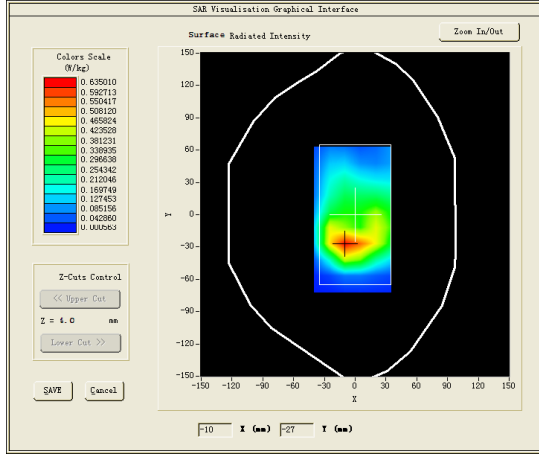
### **B. SAR Measurement Results**

Middle Band SAR (Channel 9400):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	53.356098
<b>Relative permittivity (imaginary part)</b>	14.668600
<b>Conductivity (S/m)</b>	1.532054
<b>Variation (%)</b>	-0.070000

### SURFACE SAR

### VOLUME SAR

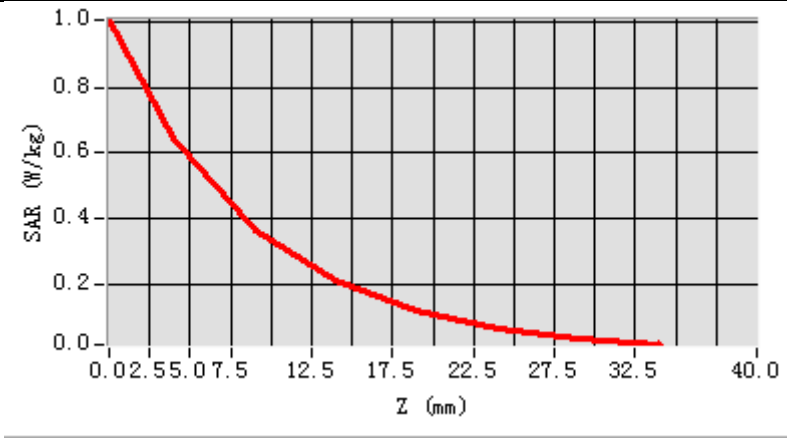


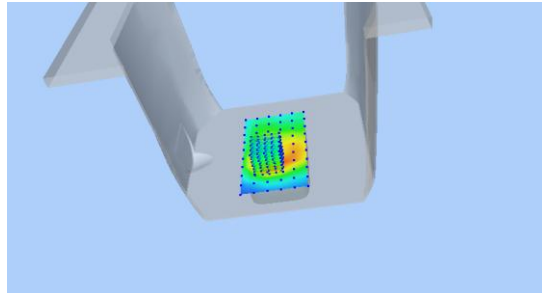
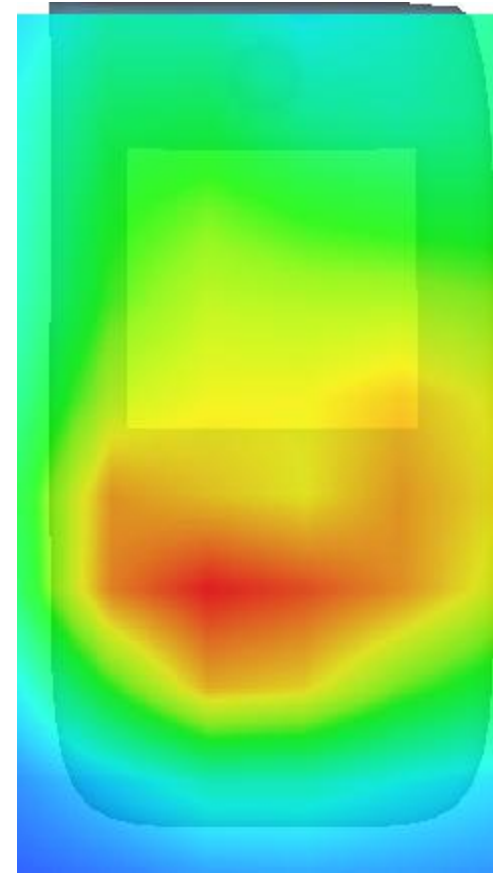
**Maximum location: X=-8.00, Y=-28.00**

**SAR Peak: 1.15 W/kg**

<b>SAR 10g (W/Kg)</b>	0.374474
<b>SAR 1g (W/Kg)</b>	0.700603

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.0046	0.6478	0.3648	0.2118	0.1195	0.0668	0.0360



3D screen shot	Hot spot position
	

## MEASUREMENT 4

Type: Phone measurement (Complete)

Date of measurement: 17/10/2016

Measurement duration: 10 minutes 44 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Right head</u>
<b><u>Device Position</u></b>	<u>Cheek</u>
<b><u>Band</u></b>	<u>Band4 WCDMA1700</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.01</u>

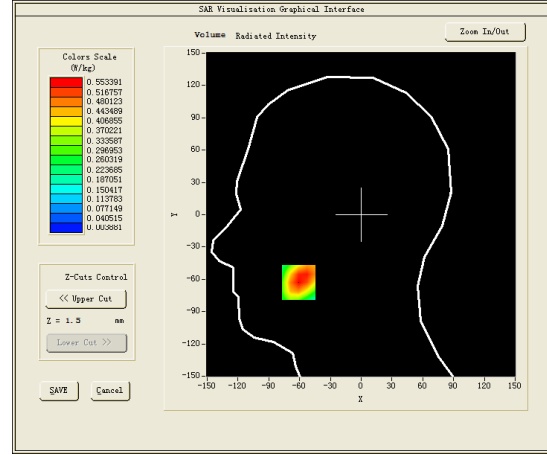
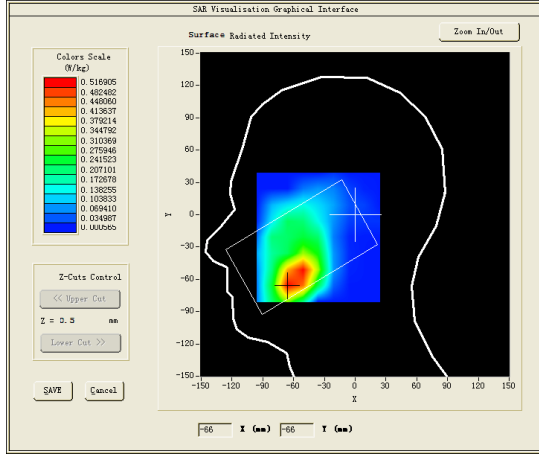
### **B. SAR Measurement Results**

Middle Band SAR (Channel 1412):

<b>Frequency (MHz)</b>	1732.000000
<b>Relative permittivity (real part)</b>	39.768299
<b>Relative permittivity (imaginary part)</b>	14.198700
<b>Conductivity (S/m)</b>	1.366230
<b>Variation (%)</b>	1.430000

### SURFACE SAR

### VOLUME SAR

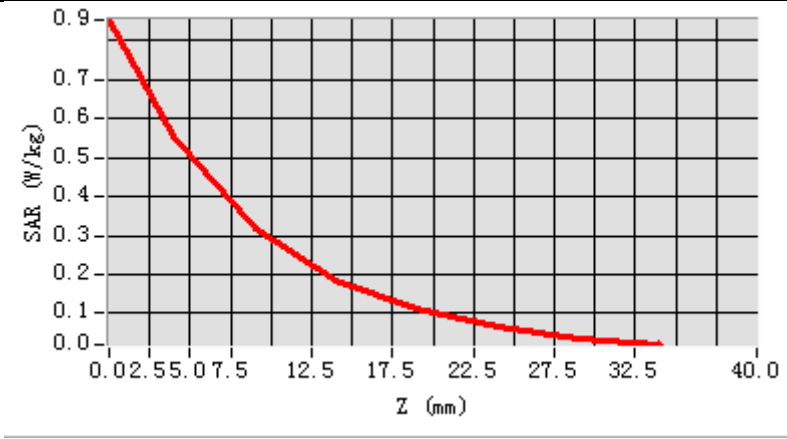


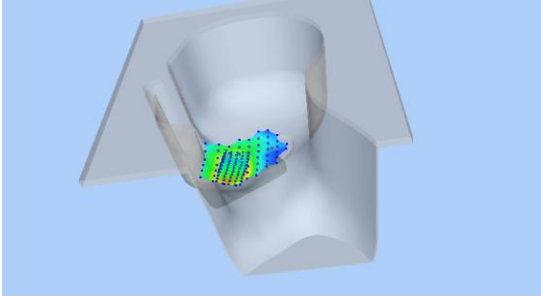
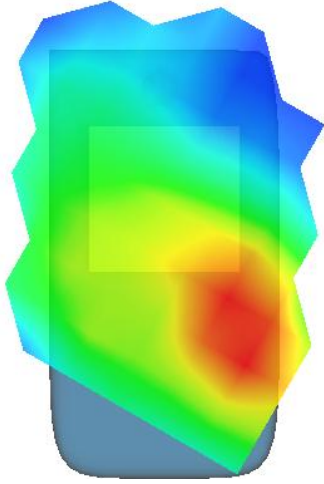
**Maximum location: X=-61.00, Y=-63.00**

**SAR Peak: 0.86 W/kg**

<b>SAR 10g (W/Kg)</b>	0.307816
<b>SAR 1g (W/Kg)</b>	0.540356

<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>0.8534</b>	<b>0.5534</b>	<b>0.3171</b>	<b>0.1857</b>	<b>0.1114</b>	<b>0.0653</b>	<b>0.0380</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 5

Rear-side-middle

Type: Phone measurement (Complete)

Date of measurement: 17/10/2016

Measurement duration: 7 minutes 4 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</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>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.16</u>

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

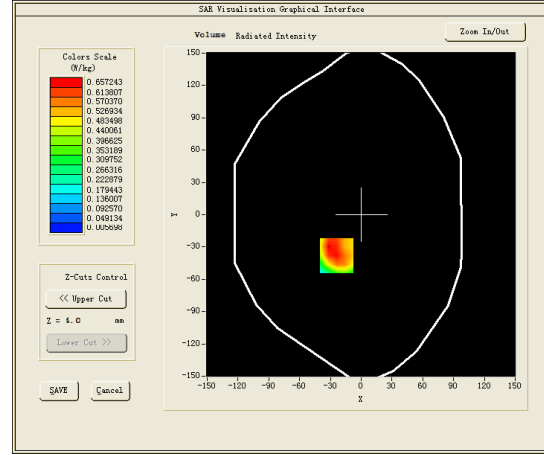
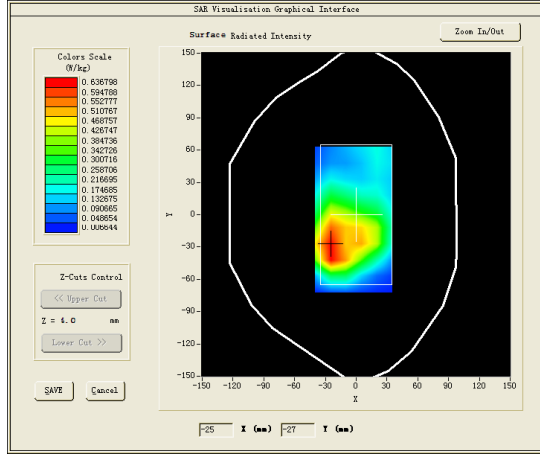
Middle Band SAR (Channel 1412):

<b>Frequency (MHz)</b>	1732.000000
<b>Relative permittivity (real part)</b>	53.306900
<b>Relative permittivity (imaginary part)</b>	15.297200
<b>Conductivity (S/m)</b>	1.471931
<b>Variation (%)</b>	-0.660000



### SURFACE SAR

### VOLUME SAR

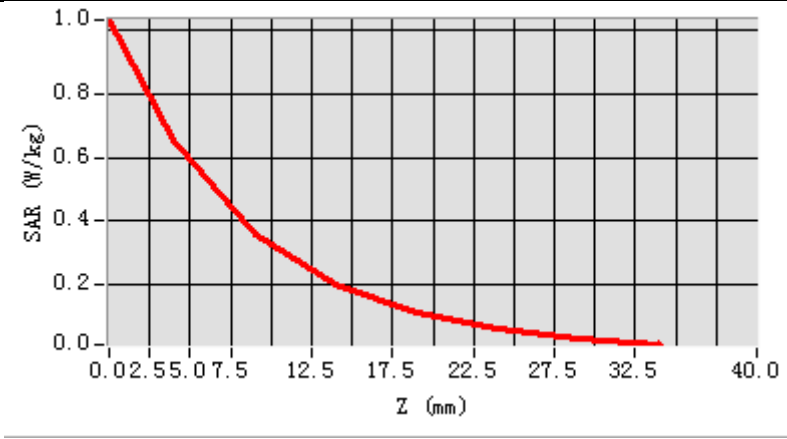


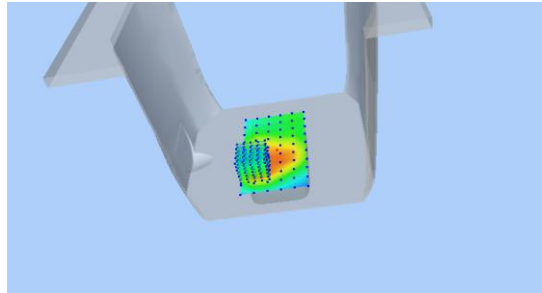
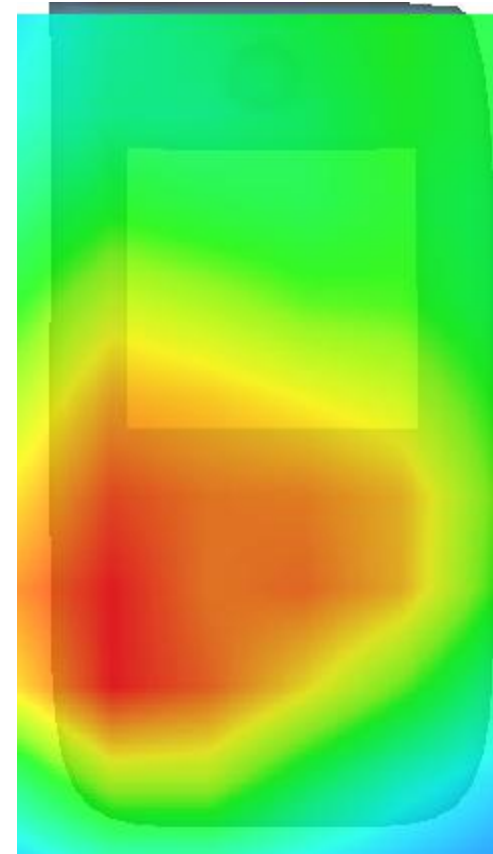
**Maximum location: X=-24.00, Y=-38.00**

**SAR Peak: 1.17 W/kg**

<b>SAR 10g (W/Kg)</b>	0.379303
<b>SAR 1g (W/Kg)</b>	0.696857

<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>1.0318</b>	<b>0.6531</b>	<b>0.3579</b>	<b>0.2006</b>	<b>0.1105</b>	<b>0.0582</b>	<b>0.0285</b>



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

## MEASUREMENT 6

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 17/10/2016

Measurement duration: 7 minutes 10 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</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>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.16</u>

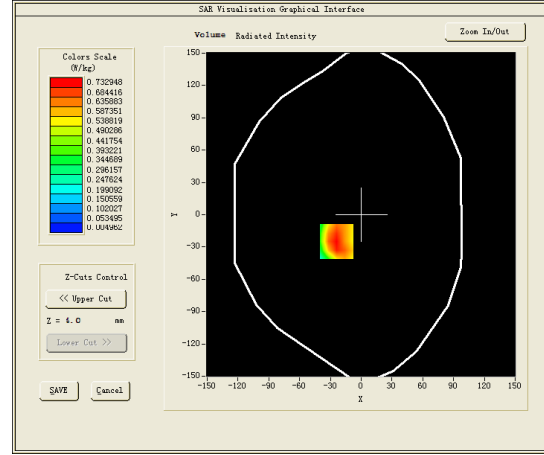
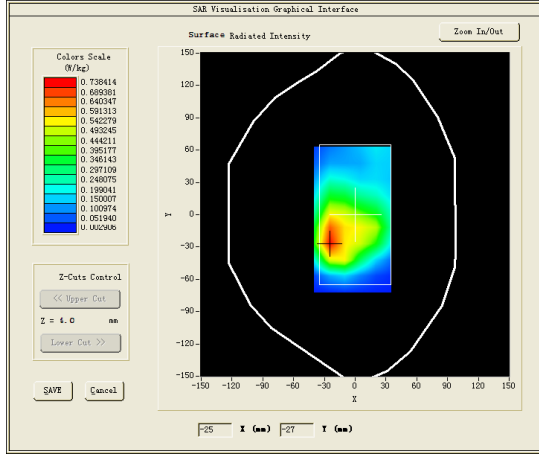
### **B. SAR Measurement Results**

Middle Band SAR (Channel 1412):

<b>Frequency (MHz)</b>	1732.000000
<b>Relative permittivity (real part)</b>	53.306900
<b>Relative permittivity (imaginary part)</b>	15.297200
<b>Conductivity (S/m)</b>	1.471931
<b>Variation (%)</b>	-0.500000

### SURFACE SAR

### VOLUME SAR

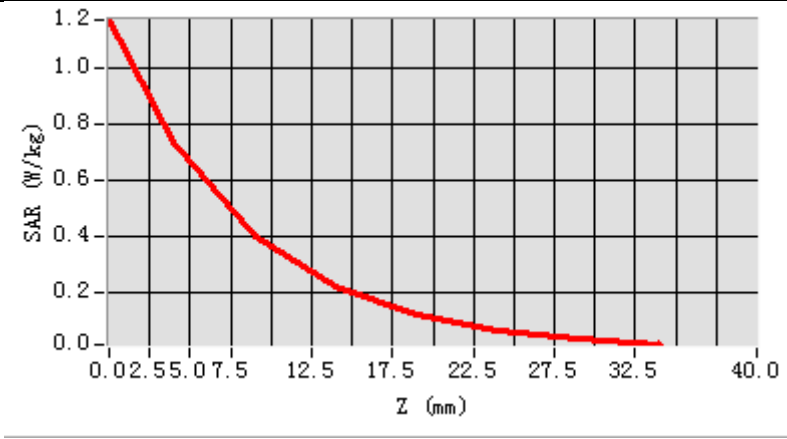


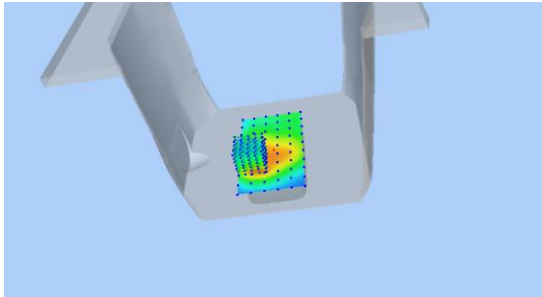
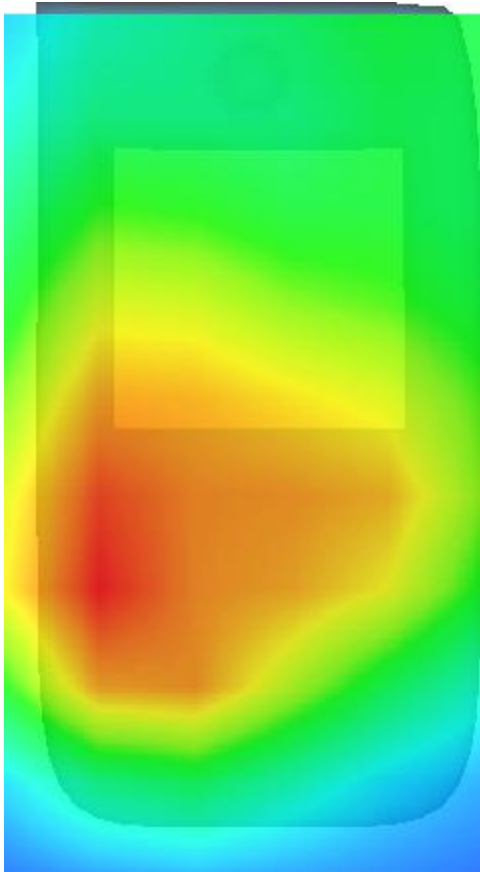
**Maximum location: X=-24.00, Y=-25.00**

**SAR Peak: 1.28 W/kg**

<b>SAR 10g (W/Kg)</b>	0.412734
<b>SAR 1g (W/Kg)</b>	0.764868

<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>1.1695</b>	<b>0.7329</b>	<b>0.3964</b>	<b>0.2198</b>	<b>0.1206</b>	<b>0.0628</b>	<b>0.0304</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 7

Type: Phone measurement (Complete)

Date of measurement: 14/10/2016

Measurement duration: 9 minutes 13 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7, dx=8mm dy=8mm dz=5mm, Complete</u>
<b><u>Phantom</u></b>	<u>Right head</u>
<b><u>Device Position</u></b>	<u>Cheek</u>
<b><u>Band</u></b>	<u>Band5 WCDMA850</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.93</u>

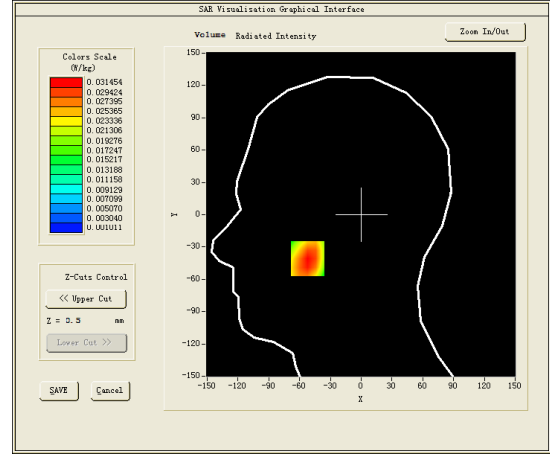
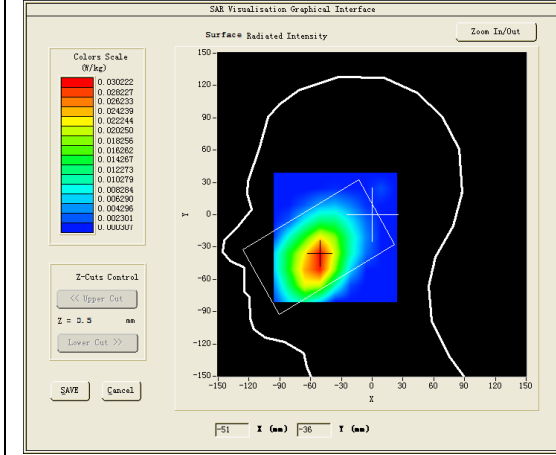
### **B. SAR Measurement Results**

Middle Band SAR (Channel 4182):

<b>Frequency (MHz)</b>	836.400024
<b>Relative permittivity (real part)</b>	40.234680
<b>Relative permittivity (imaginary part)</b>	19.852501
<b>Conductivity (S/m)</b>	0.922480
<b>Variation (%)</b>	2.240000

### SURFACE SAR

### VOLUME SAR

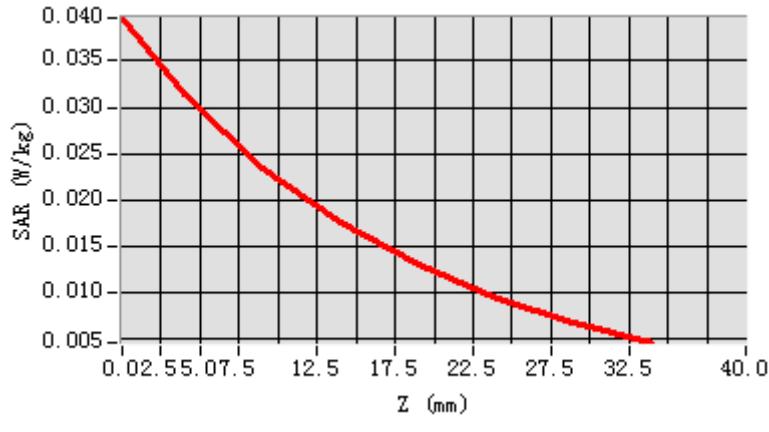


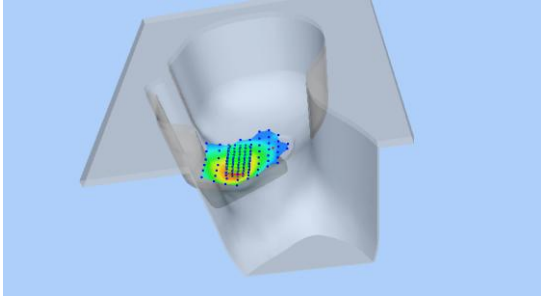
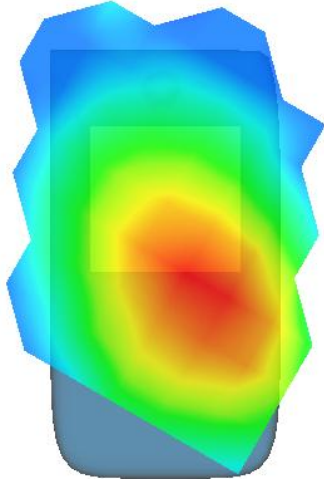
**Maximum location: X=-52.00, Y=-41.00**

**SAR Peak: 0.04 W/kg**

<b>SAR 10g (W/Kg)</b>	0.021206
<b>SAR 1g (W/Kg)</b>	0.031056

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0396	0.0315	0.0235	0.0177	0.0130	0.0094	0.0067



3D screen shot	Hot spot position
	



## MEASUREMENT 8

Rear-side-middle

Type: Phone measurement (Complete)

Date of measurement: 14/10/2016

Measurement duration: 7 minutes 23 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</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>Band5 WCDMA850</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>5.07</u>

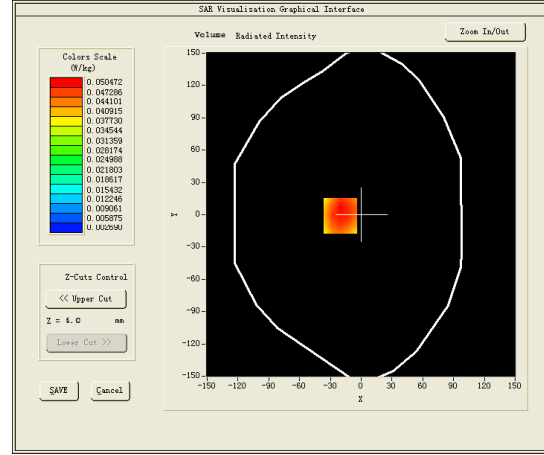
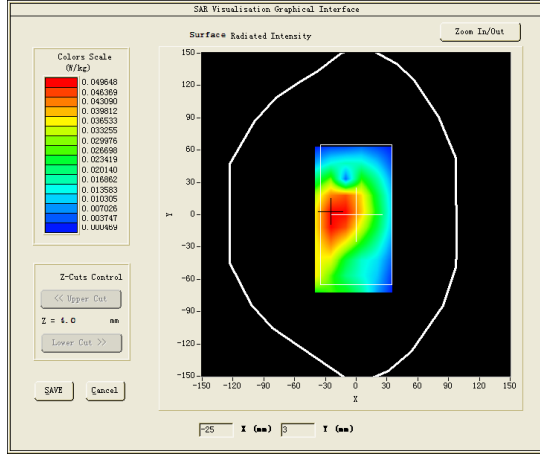
### **B. SAR Measurement Results**

Middle Band SAR (Channel 4182):

<b>Frequency (MHz)</b>	836.400024
<b>Relative permittivity (real part)</b>	53.916260
<b>Relative permittivity (imaginary part)</b>	21.316219
<b>Conductivity (S/m)</b>	0.990494
<b>Variation (%)</b>	2.930000

### SURFACE SAR

### VOLUME SAR

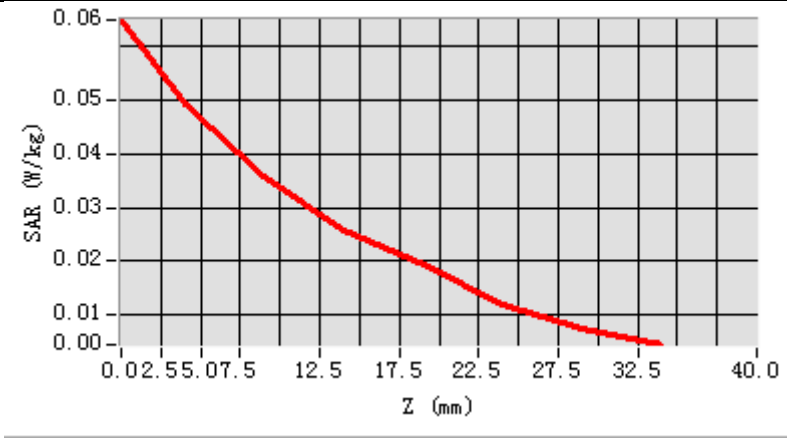


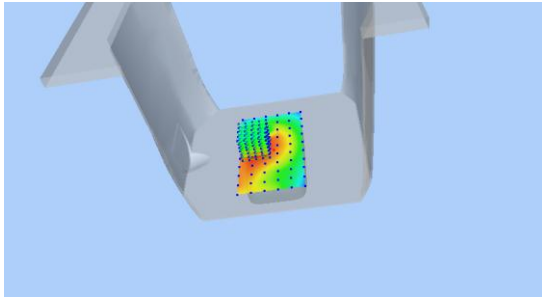
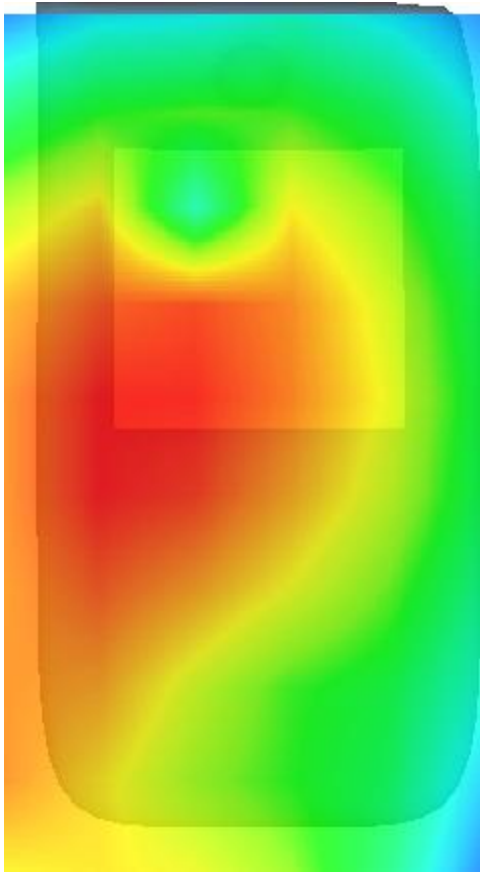
**Maximum location: X=-20.00, Y=-1.00**

**SAR Peak: 0.07 W/kg**

<b>SAR 10g (W/Kg)</b>	0.036522
<b>SAR 1g (W/Kg)</b>	0.053157

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0650	0.0494	0.0359	0.0255	0.0192	0.0118	0.0075



3D screen shot	Hot spot position
	

## MEASUREMENT 9

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 14/10/2016

Measurement duration: 7 minutes 47 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</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>Band5 WCDMA850</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>5.07</u>

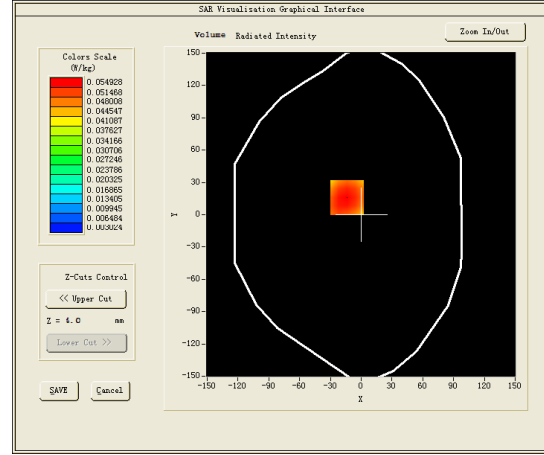
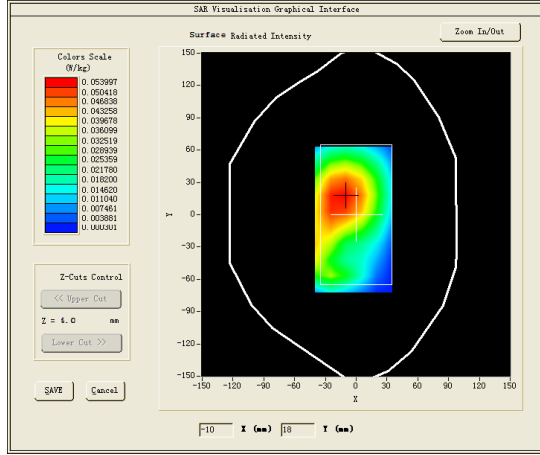
### **B. SAR Measurement Results**

Middle Band SAR (Channel 4182):

<b>Frequency (MHz)</b>	836.400024
<b>Relative permittivity (real part)</b>	53.916260
<b>Relative permittivity (imaginary part)</b>	21.316219
<b>Conductivity (S/m)</b>	0.990494
<b>Variation (%)</b>	-0.470000

### SURFACE SAR

### VOLUME SAR

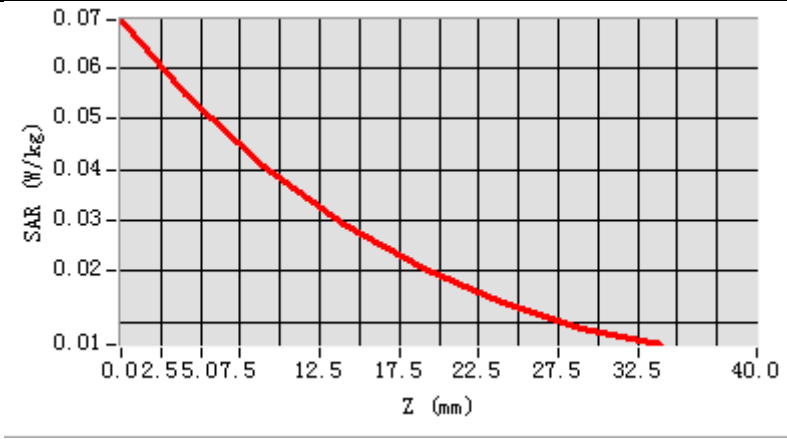


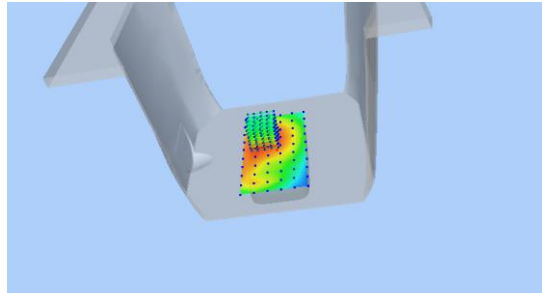
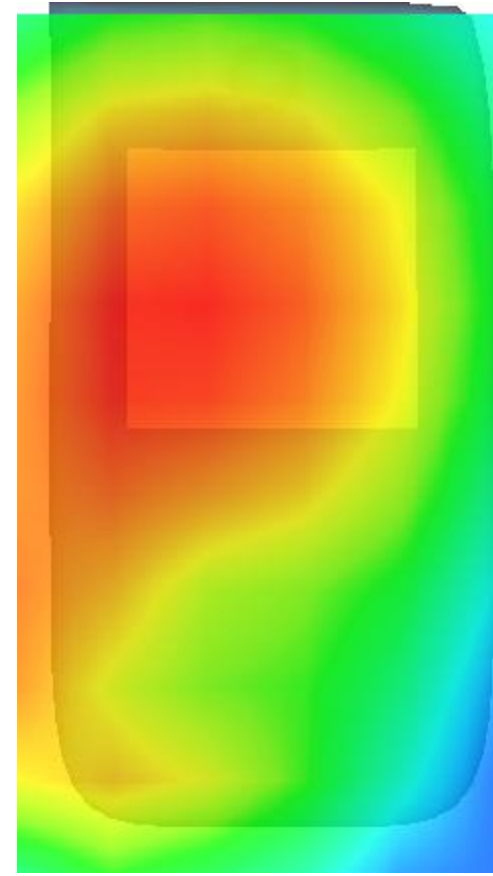
**Maximum location: X=-14.00, Y=16.00**

**SAR Peak: 0.08 W/kg**

<b>SAR 10g (W/Kg)</b>	0.040613
<b>SAR 1g (W/Kg)</b>	0.058376

<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>0.0694</b>	<b>0.0549</b>	<b>0.0405</b>	<b>0.0292</b>	<b>0.0206</b>	<b>0.0138</b>	<b>0.0090</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 10

Type: Phone measurement (Complete)

Date of measurement: 13/10/2016

Measurement duration: 8 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>Right head</u>
<b><u>Device Position</u></b>	<u>Cheek</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>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.00</u>

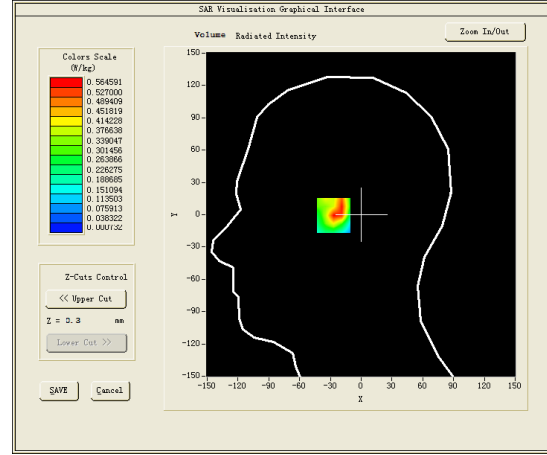
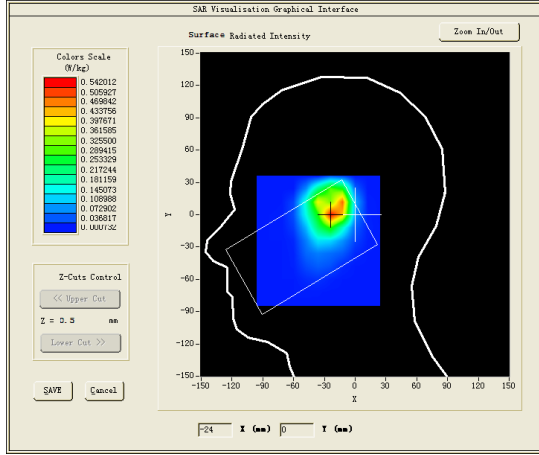
### B. SAR Measurement Results

Middle Band SAR (Channel 6):

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	39.256401
<b>Relative permittivity (imaginary part)</b>	12.976200
<b>Conductivity (S/m)</b>	1.760438
<b>Variation (%)</b>	0.900000

### SURFACE SAR

### VOLUME SAR



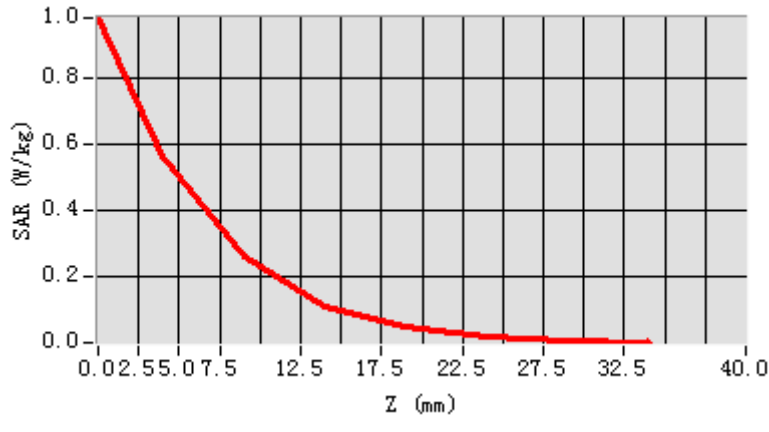
**Maximum location: X=-23.00, Y=0.00**

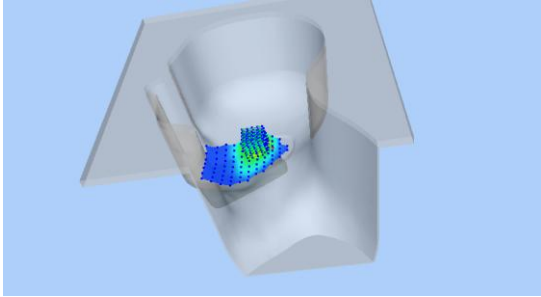
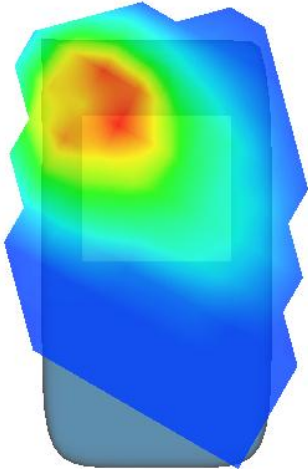
**SAR Peak: 1.04 W/kg**

<b>SAR 10g (W/Kg)</b>	0.237196
<b>SAR 1g (W/Kg)</b>	0.544637



<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>0.9818</b>	<b>0.5646</b>	<b>0.2603</b>	<b>0.1080</b>	<b>0.0473</b>	<b>0.0165</b>	<b>0.0050</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 11

Rear-side-middle

Type: Phone measurement (Complete)

Date of measurement: 13/10/2016

Measurement duration: 12 minutes 11 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</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>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.11</u>

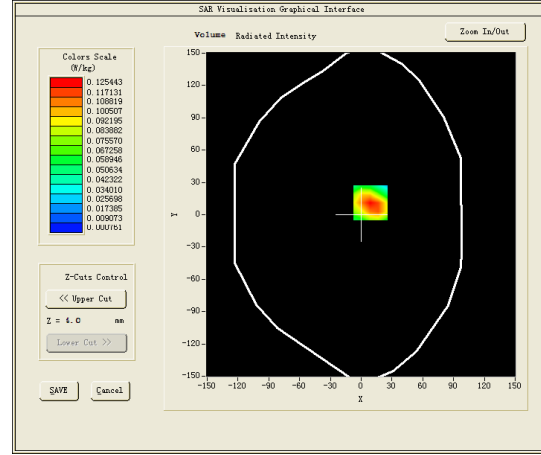
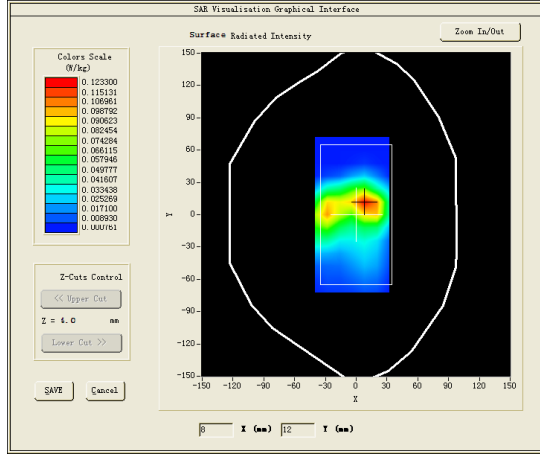
### **B. SAR Measurement Results**

Middle Band SAR (Channel 6):

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	52.756401
<b>Relative permittivity (imaginary part)</b>	14.076200
<b>Conductivity (S/m)</b>	1.909671
<b>Variation (%)</b>	0.650000

### SURFACE SAR

### VOLUME SAR

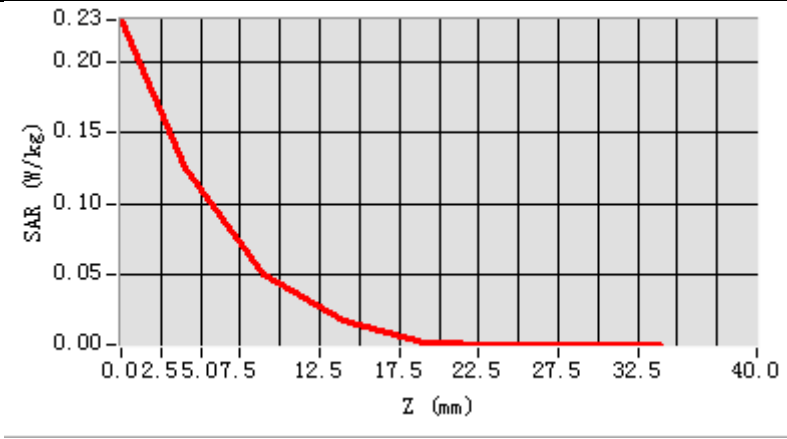


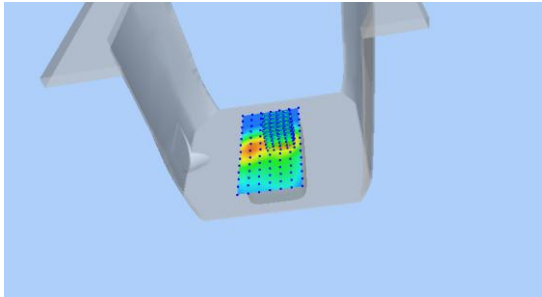
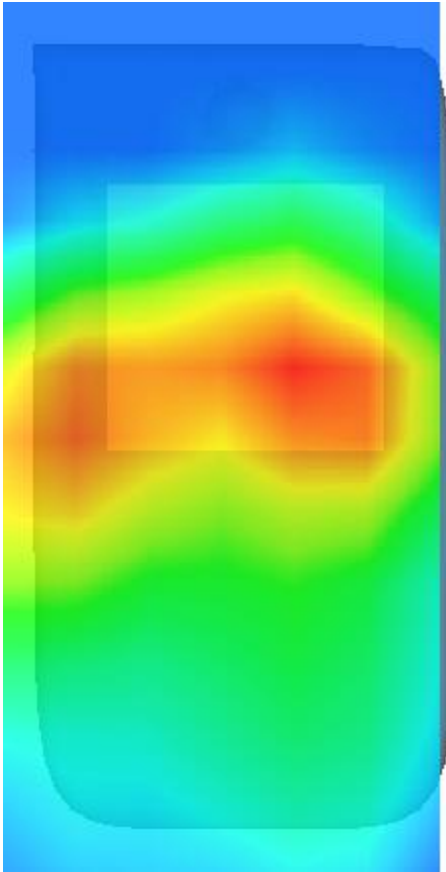
**Maximum location: X=9.00, Y=11.00**

**SAR Peak: 0.25 W/kg**

<b>SAR 10g (W/Kg)</b>	0.058094
<b>SAR 1g (W/Kg)</b>	0.139676

<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>0.2293</b>	<b>0.1254</b>	<b>0.0495</b>	<b>0.0181</b>	<b>0.0025</b>	<b>0.0008</b>	<b>0.0008</b>



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

## MEASUREMENT 12

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 13/10/2016

Measurement duration: 11 minutes 47 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</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>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.11</u>

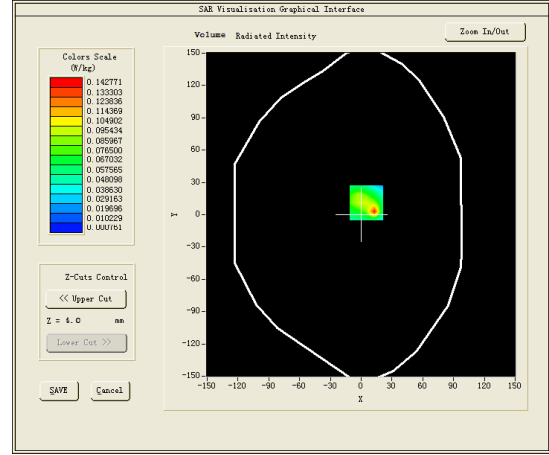
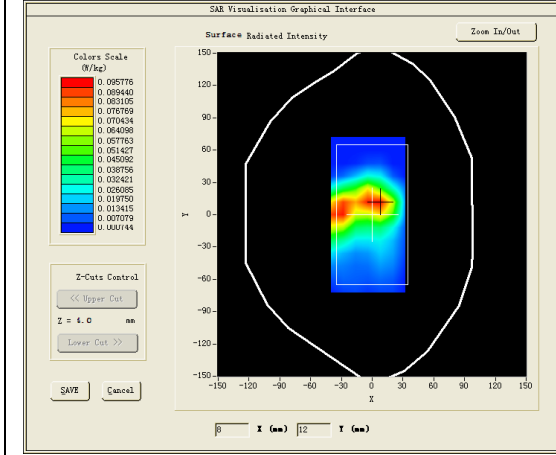
### **B. SAR Measurement Results**

Middle Band SAR (Channel 6):

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	52.756401
<b>Relative permittivity (imaginary part)</b>	14.076200
<b>Conductivity (S/m)</b>	1.909671
<b>Variation (%)</b>	-0.810000

### SURFACE SAR

### VOLUME SAR

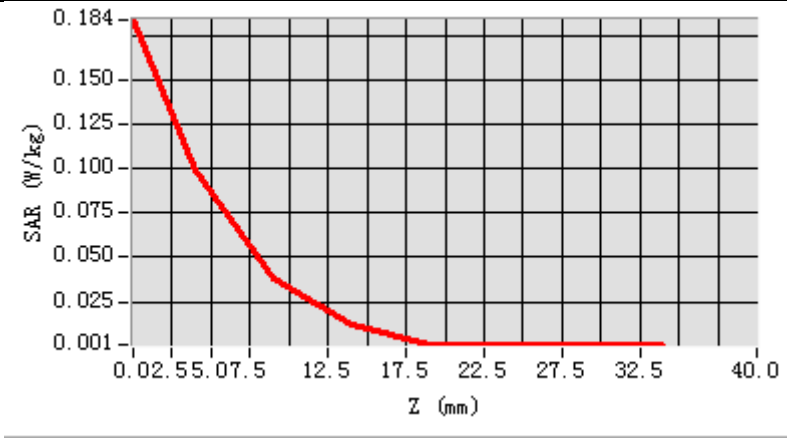


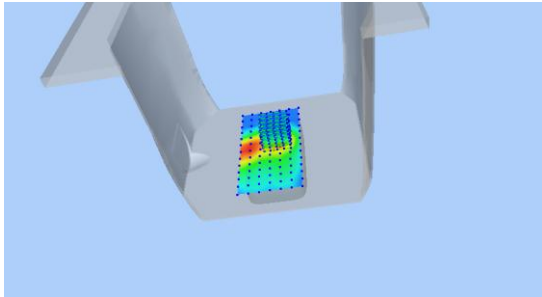
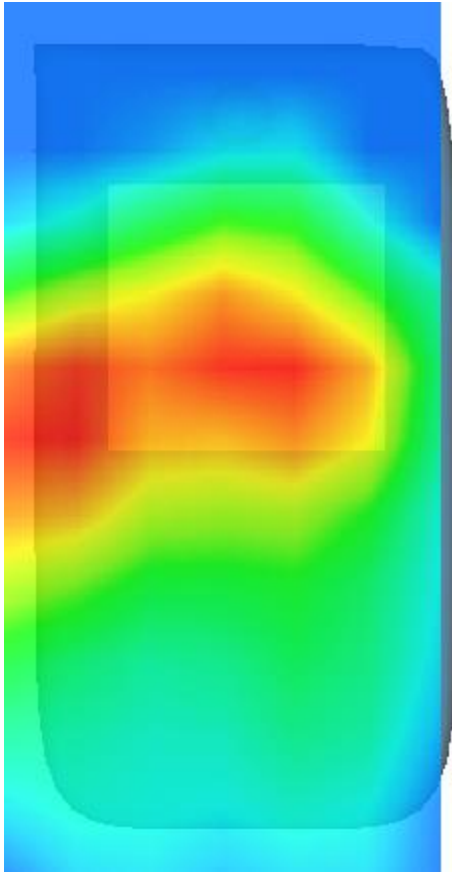
**Maximum location: X=5.00, Y=11.00**

**SAR Peak: 0.35 W/kg**

<b>SAR 10g (W/Kg)</b>	0.045766
<b>SAR 1g (W/Kg)</b>	0.130324

<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>0.1839</b>	<b>0.0991</b>	<b>0.0379</b>	<b>0.0119</b>	<b>0.0009</b>	<b>0.0008</b>	<b>0.0008</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 13

20M-1RB#0

Type: Phone measurement (Complete)

Date of measurement: 15/10/2016

Measurement duration: 10 minutes 35 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7, dx=8mm dy=8mm dz=5mm, Complete</u>
<b><u>Phantom</u></b>	<u>Left head</u>
<b><u>Device Position</u></b>	<u>Cheek</u>
<b><u>Band</u></b>	<u>LTE band 2</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.63</u>

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

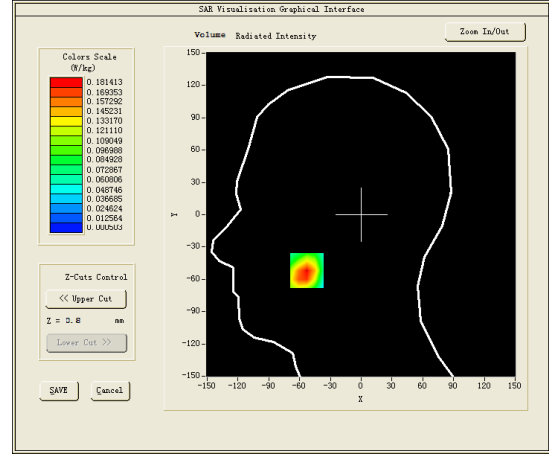
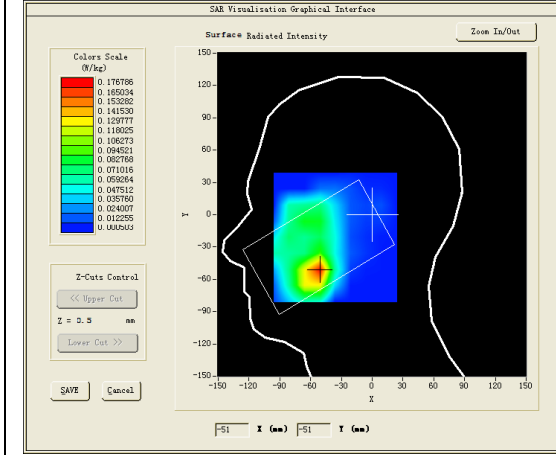
Middle Band SAR (Channel 18900):

<b>Frequency (MHz)</b>	1879.500000
<b>Relative permittivity (real part)</b>	39.917099
<b>Relative permittivity (imaginary part)</b>	13.431950
<b>Conductivity (S/m)</b>	1.402519
<b>Variation (%)</b>	2.170000



### SURFACE SAR

### VOLUME SAR

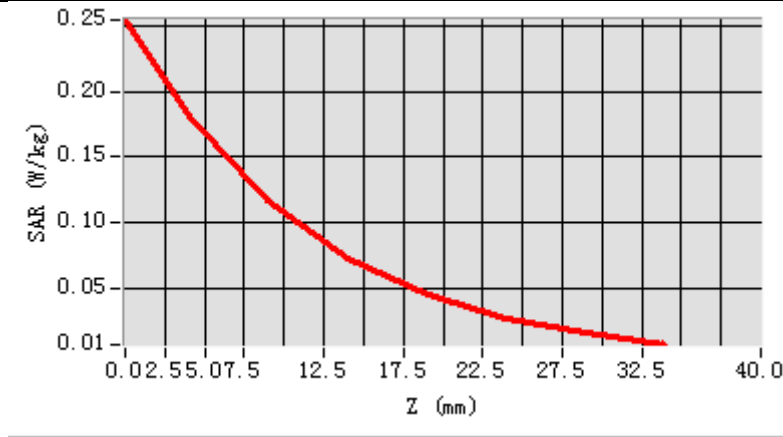


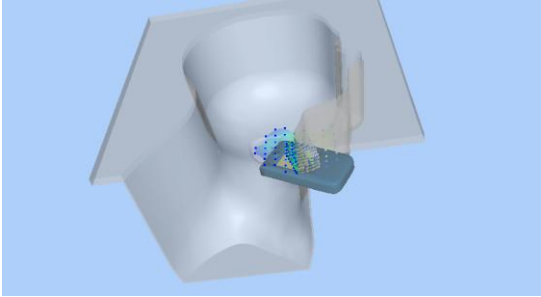
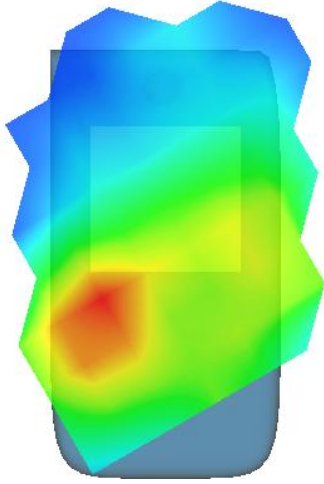
**Maximum location: X=-53.00, Y=-52.00**

**SAR Peak: 0.27 W/kg**

<b>SAR 10g (W/Kg)</b>	0.098891
<b>SAR 1g (W/Kg)</b>	0.174625

<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>0.2543</b>	<b>0.1814</b>	<b>0.1165</b>	<b>0.0724</b>	<b>0.0456</b>	<b>0.0258</b>	<b>0.0152</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 14

Rear-side-20M-1RB#0-middle

Type: Phone measurement (Complete)

Date of measurement: 15/10/2016

Measurement duration: 7 minutes 1 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</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>LTE band 2</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

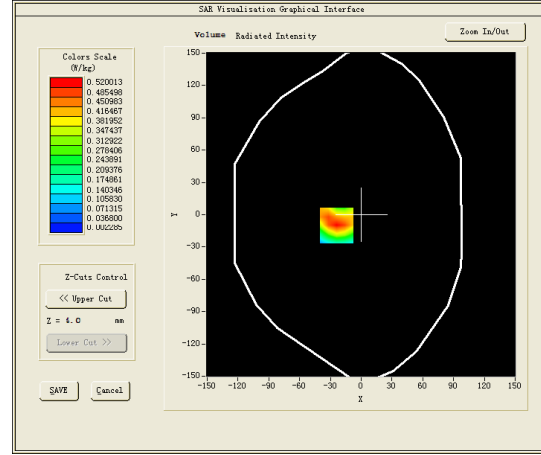
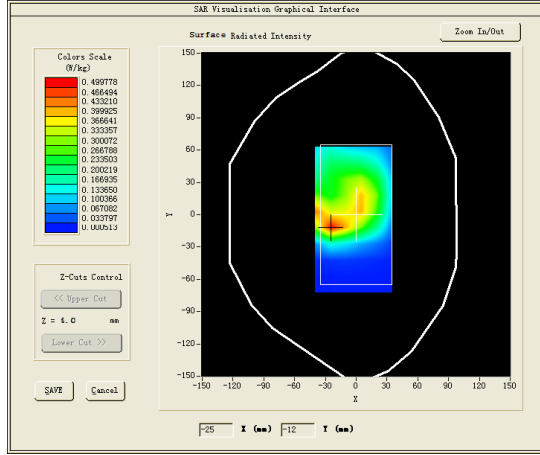
### **B. SAR Measurement Results**

Middle Band SAR (Channel 18900):

<b>Frequency (MHz)</b>	1879.500000
<b>Relative permittivity (real part)</b>	53.367001
<b>Relative permittivity (imaginary part)</b>	14.686350
<b>Conductivity (S/m)</b>	1.533500
<b>Variation (%)</b>	-0.400000

### SURFACE SAR

### VOLUME SAR

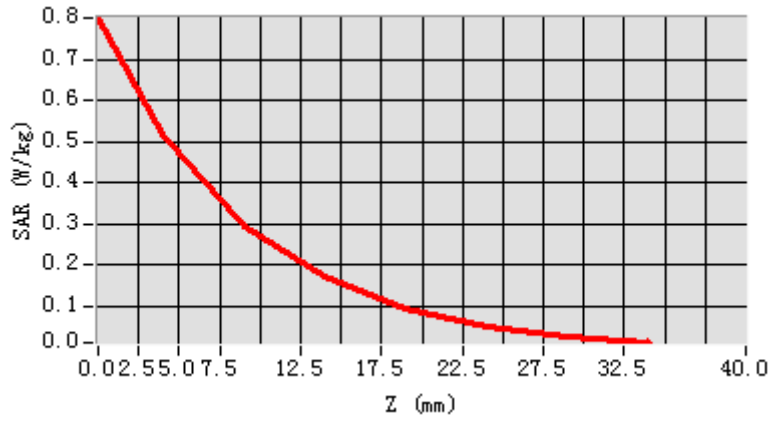


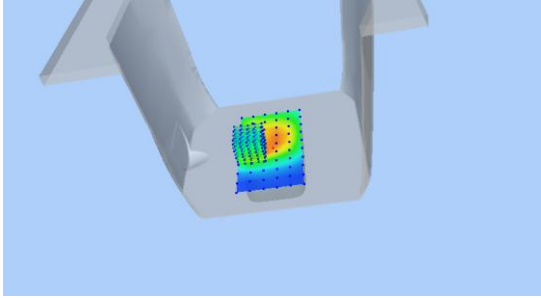
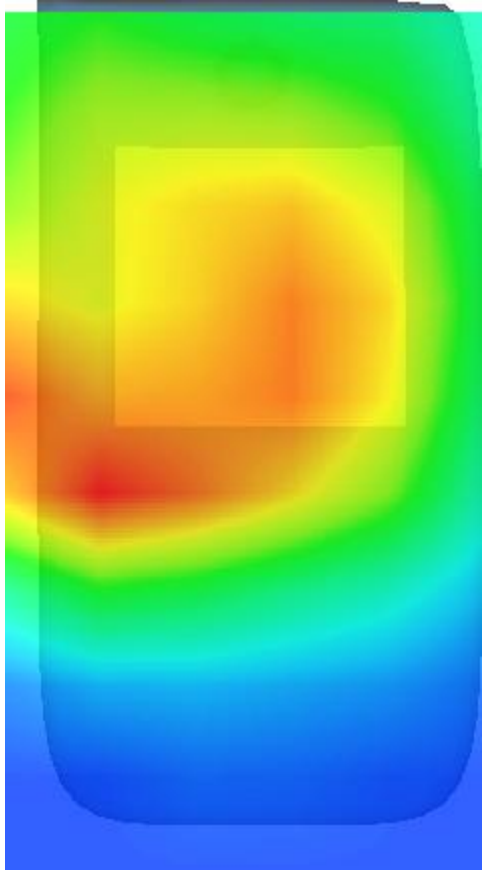
**Maximum location: X=-24.00, Y=-10.00**

**SAR Peak: 0.88 W/kg**

<b>SAR 10g (W/Kg)</b>	0.292811
<b>SAR 1g (W/Kg)</b>	0.538935

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.7998	0.5200	0.2956	0.1701	0.0954	0.0515	0.0265



3D screen shot	Hot spot position
	

## MEASUREMENT 15

Towards-ground-20M-50RB#0-middle

Type: Phone measurement (Complete)

Date of measurement: 15/10/2016

Measurement duration: 7 minutes 15 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</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>LTE band 2</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

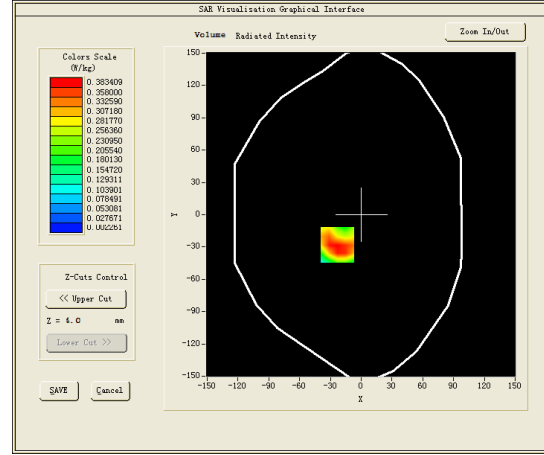
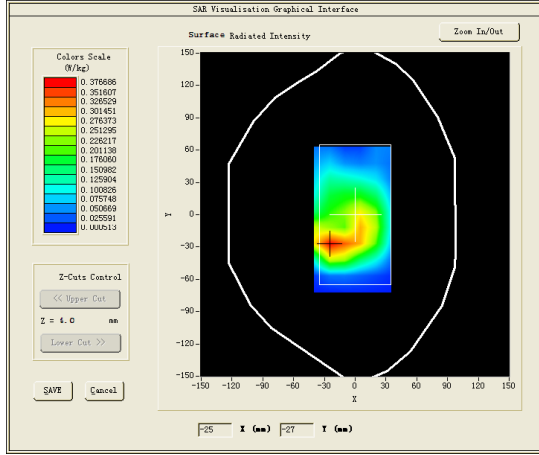
### **B. SAR Measurement Results**

Middle Band SAR (Channel 18900):

<b>Frequency (MHz)</b>	1879.500000
<b>Relative permittivity (real part)</b>	53.367001
<b>Relative permittivity (imaginary part)</b>	14.686350
<b>Conductivity (S/m)</b>	1.533500
<b>Variation (%)</b>	-0.370000

### SURFACE SAR

### VOLUME SAR

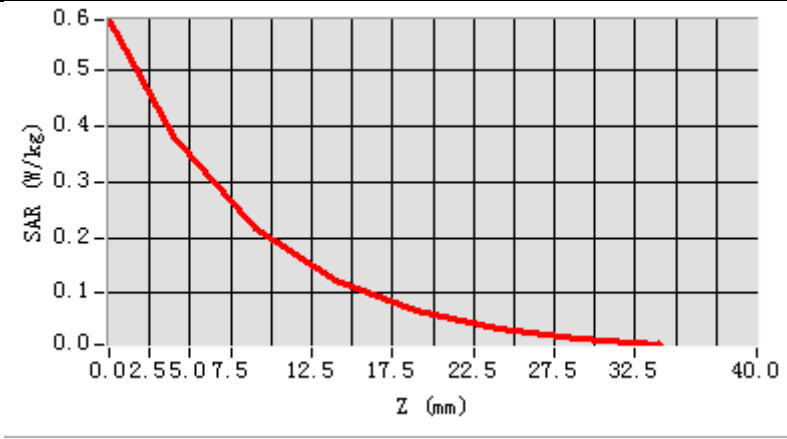


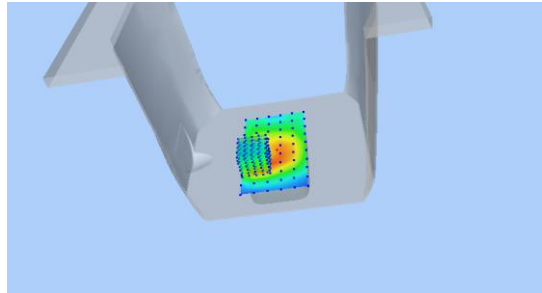
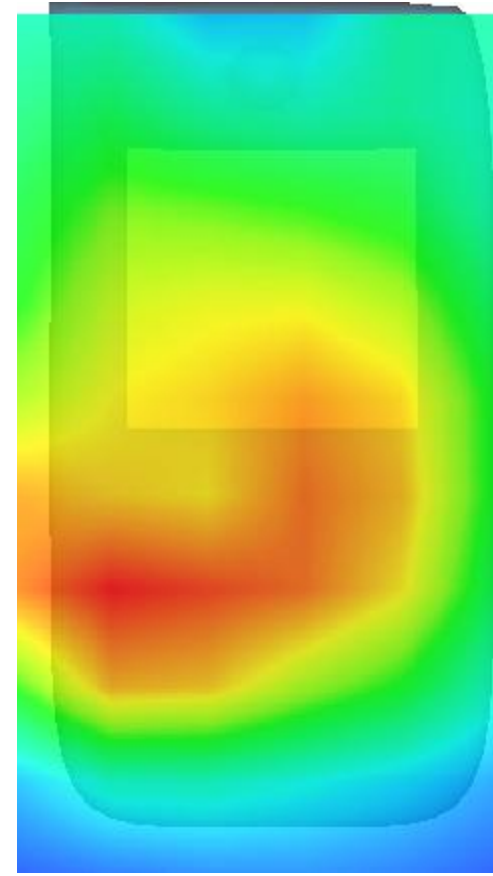
**Maximum location: X=-23.00, Y=-28.00**

**SAR Peak: 0.68 W/kg**

<b>SAR 10g (W/Kg)</b>	0.223760
<b>SAR 1g (W/Kg)</b>	0.417974

<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>0.5921</b>	<b>0.3834</b>	<b>0.2165</b>	<b>0.1240</b>	<b>0.0688</b>	<b>0.0357</b>	<b>0.0175</b>



3D screen shot	Hot spot position
	



## MEASUREMENT 16

20M-1RB#50

Type: Phone measurement (Complete)

Date of measurement: 17/10/2016

Measurement duration: 10 minutes 19 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Right head</u>
<b><u>Device Position</u></b>	<u>Cheek</u>
<b><u>Band</u></b>	<u>LTE band 4</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.01</u>

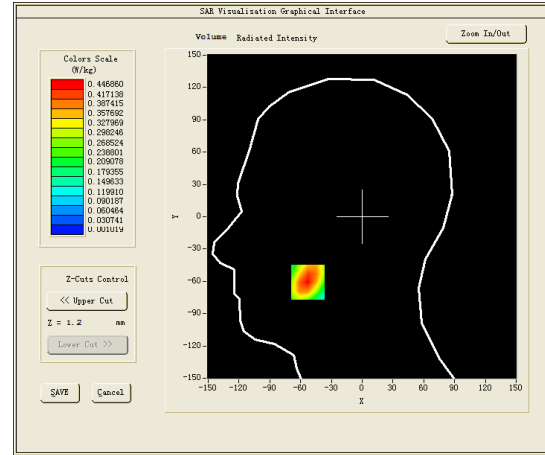
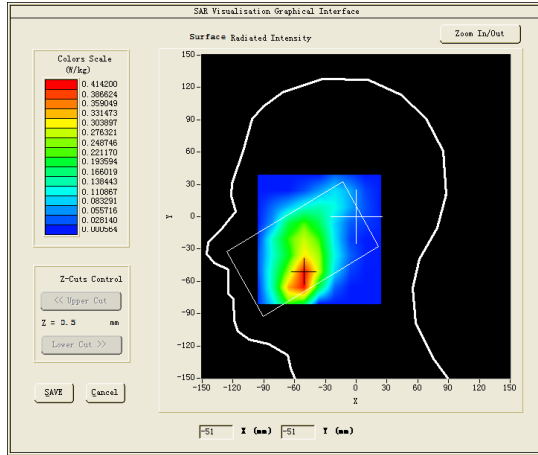
### **B. SAR Measurement Results**

Middle Band SAR (Channel 20175):

<b>Frequency (MHz)</b>	1732.500000
<b>Relative permittivity (real part)</b>	39.826401
<b>Relative permittivity (imaginary part)</b>	14.189300
<b>Conductivity (S/m)</b>	1.365720
<b>Variation (%)</b>	1.130000

### SURFACE SAR

### VOLUME SAR

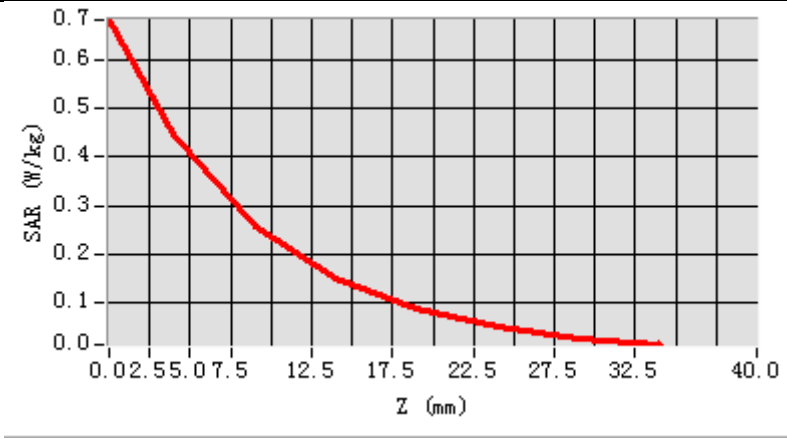


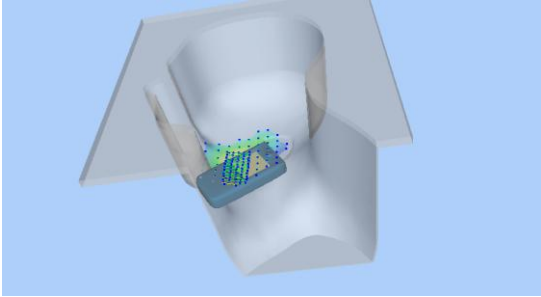
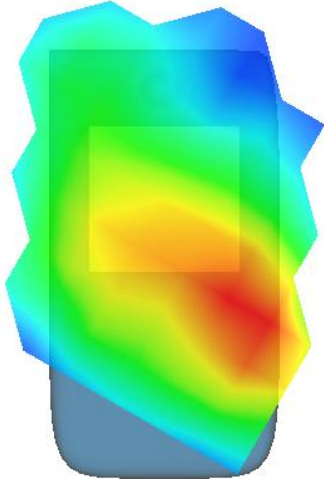
**Maximum location: X=-53.00, Y=-61.00**

**SAR Peak: 0.69 W/kg**

<b>SAR 10g (W/Kg)</b>	0.239636
<b>SAR 1g (W/Kg)</b>	0.428698

<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>0.6829</b>	<b>0.4469</b>	<b>0.2583</b>	<b>0.1504</b>	<b>0.0885</b>	<b>0.0505</b>	<b>0.0270</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 17

Rear-side-20M-1RB#50-middle

Type: Phone measurement (Complete)

Date of measurement: 17/10/2016

Measurement duration: 6 minutes 57 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</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>LTE band 4</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.16</u>

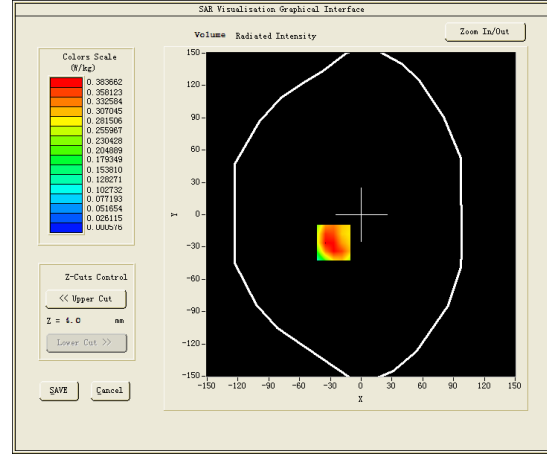
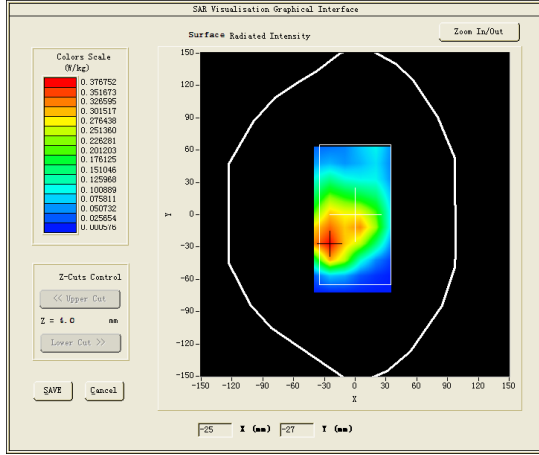
### **B. SAR Measurement Results**

Middle Band SAR (Channel 20175):

<b>Frequency (MHz)</b>	1732.500000
<b>Relative permittivity (real part)</b>	53.302151
<b>Relative permittivity (imaginary part)</b>	15.274800
<b>Conductivity (S/m)</b>	1.470200
<b>Variation (%)</b>	2.850000

### SURFACE SAR

### VOLUME SAR

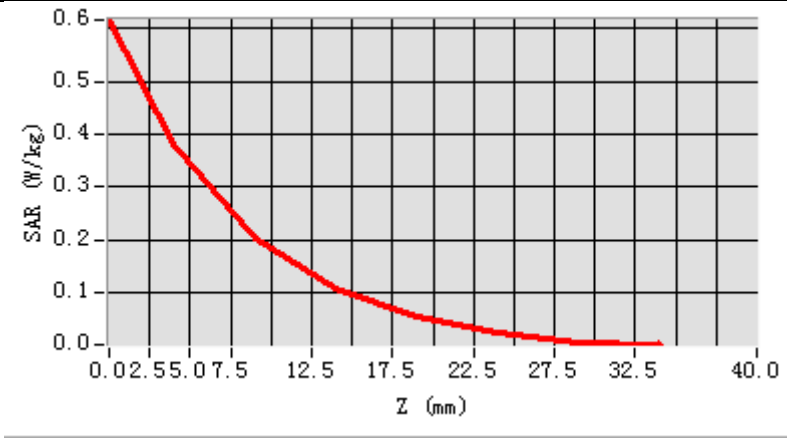


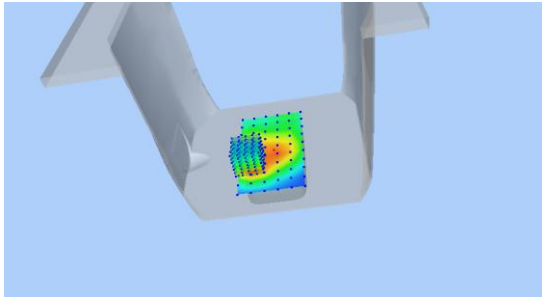
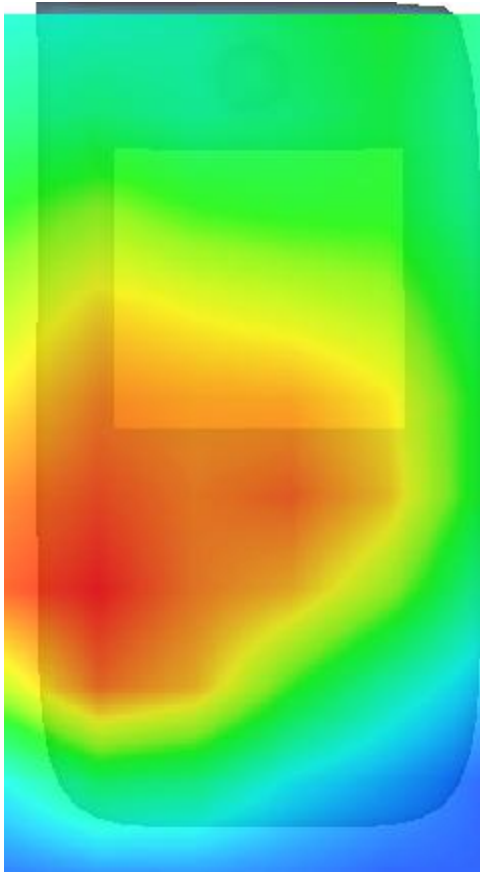
**Maximum location: X=-27.00, Y=-26.00**

**SAR Peak: 0.71 W/kg**

<b>SAR 10g (W/Kg)</b>	0.214818
<b>SAR 1g (W/Kg)</b>	0.413822

<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>0.6160</b>	<b>0.3818</b>	<b>0.2018</b>	<b>0.1073</b>	<b>0.0543</b>	<b>0.0237</b>	<b>0.0079</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 18

Towards-ground-20M-1RB#50-middle

Type: Phone measurement (Complete)

Date of measurement: 17/10/2016

Measurement duration: 8 minutes 20 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</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>LTE band 4</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.16</u>

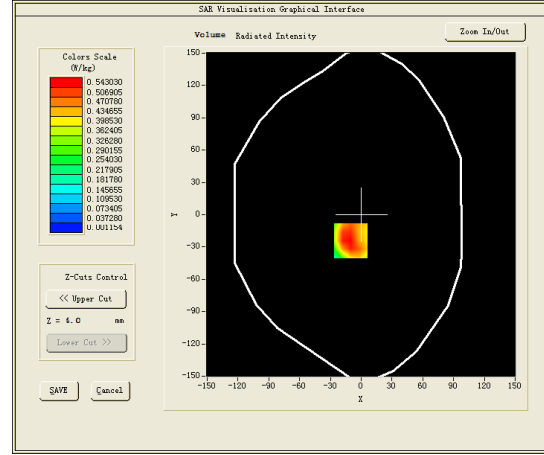
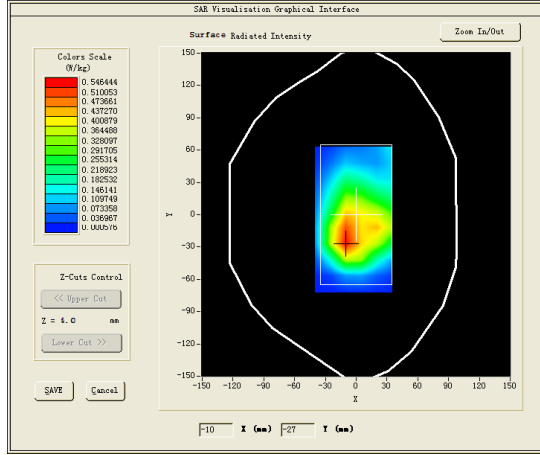
### **B. SAR Measurement Results**

Middle Band SAR (Channel 20175):

<b>Frequency (MHz)</b>	1732.500000
<b>Relative permittivity (real part)</b>	53.302151
<b>Relative permittivity (imaginary part)</b>	15.274800
<b>Conductivity (S/m)</b>	1.470200
<b>Variation (%)</b>	0.320000

### SURFACE SAR

### VOLUME SAR



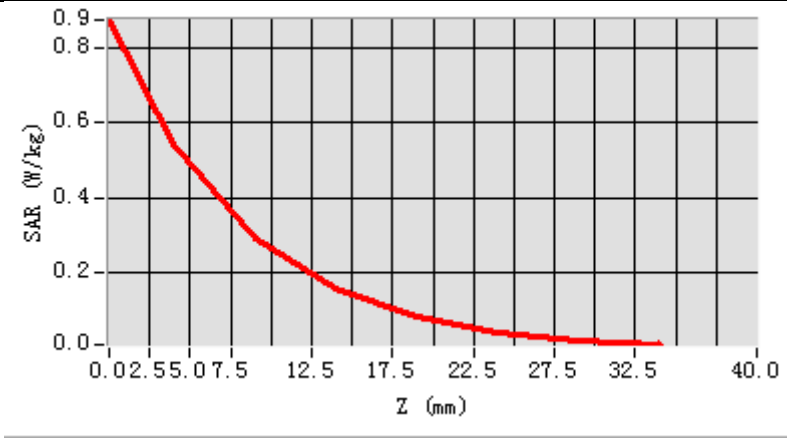
**Maximum location: X=-10.00, Y=-24.00**

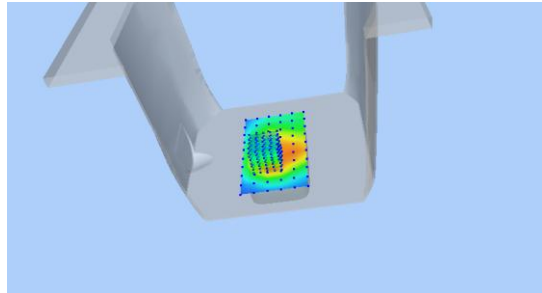
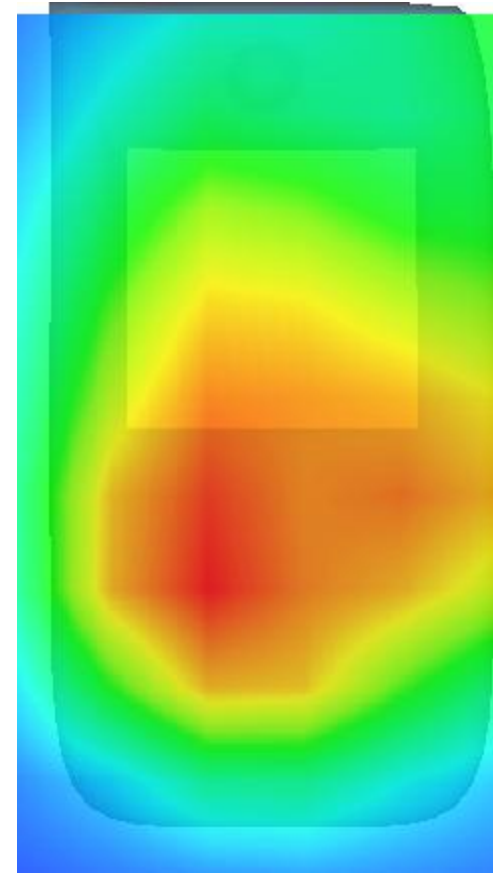
**SAR Peak: 0.98 W/kg**

<b>SAR 10g (W/Kg)</b>	0.306015
<b>SAR 1g (W/Kg)</b>	0.578911



<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>0.8748</b>	<b>0.5430</b>	<b>0.2889</b>	<b>0.1561</b>	<b>0.0820</b>	<b>0.0398</b>	<b>0.0160</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 19

10M-1RB#49

Type: Phone measurement (Complete)

Date of measurement: 14/10/2016

Measurement duration: 9 minutes 33 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Right head</u>
<b><u>Device Position</u></b>	<u>Cheek</u>
<b><u>Band</u></b>	<u>LTE band 5</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>4.93</u>

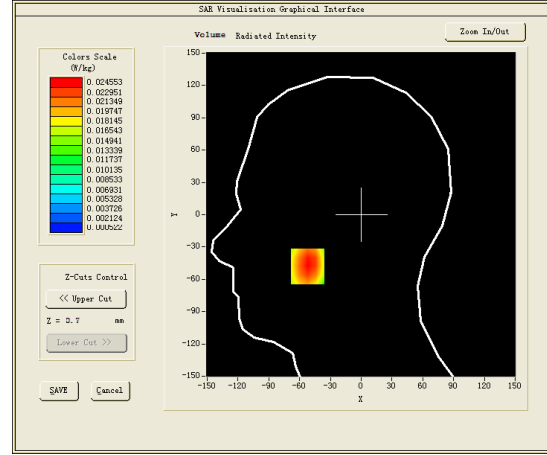
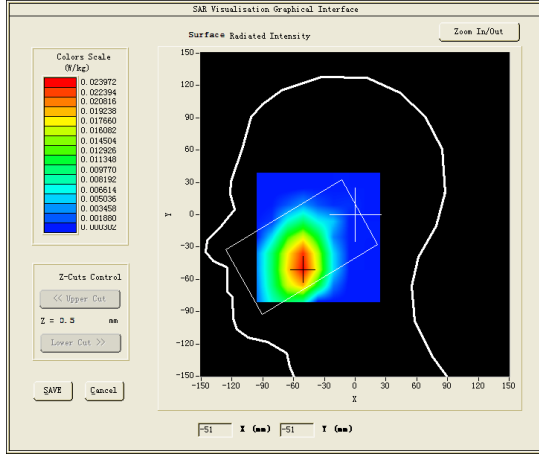
### **B. SAR Measurement Results**

Middle Band SAR (Channel 20525):

<b>Frequency (MHz)</b>	836.500000
<b>Relative permittivity (real part)</b>	40.235748
<b>Relative permittivity (imaginary part)</b>	19.853350
<b>Conductivity (S/m)</b>	0.922629
<b>Variation (%)</b>	1.849998

### SURFACE SAR

### VOLUME SAR

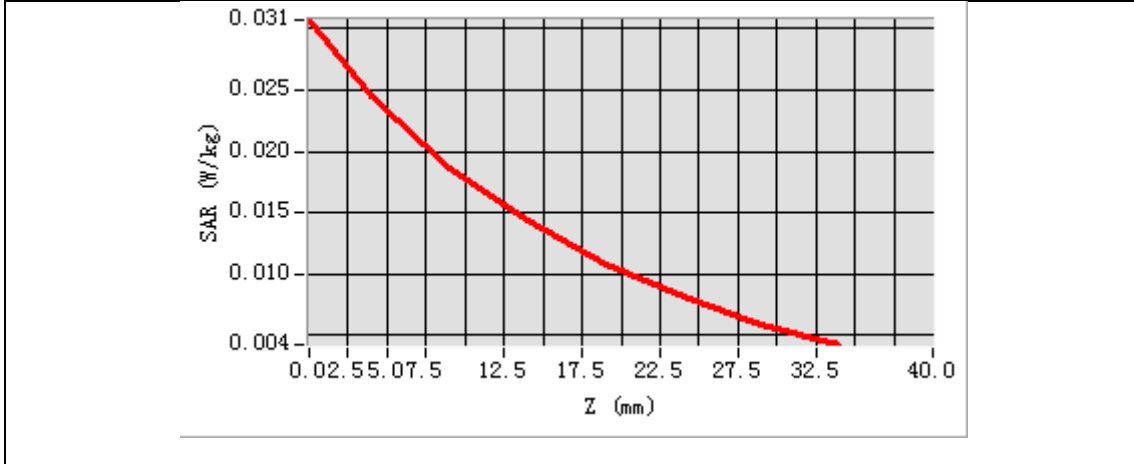


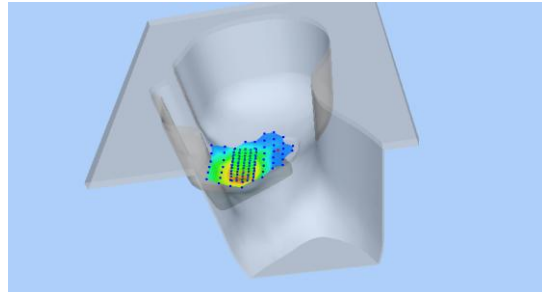
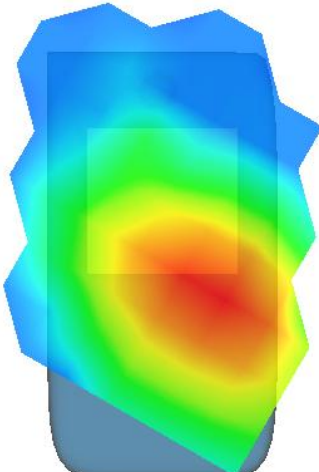
**Maximum location: X=-52.00, Y=-48.00**

**SAR Peak: 0.03 W/kg**

<b>SAR 10g (W/Kg)</b>	0.017026
<b>SAR 1g (W/Kg)</b>	0.024308

<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>0.0307</b>	<b>0.0246</b>	<b>0.0187</b>	<b>0.0143</b>	<b>0.0108</b>	<b>0.0081</b>	<b>0.0059</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 20

Rear-side-10M-1RB#49-middle

Type: Phone measurement (Complete)

Date of measurement: 14/10/2016

Measurement duration: 8 minutes 5 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</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>LTE band 5</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>5.07</u>

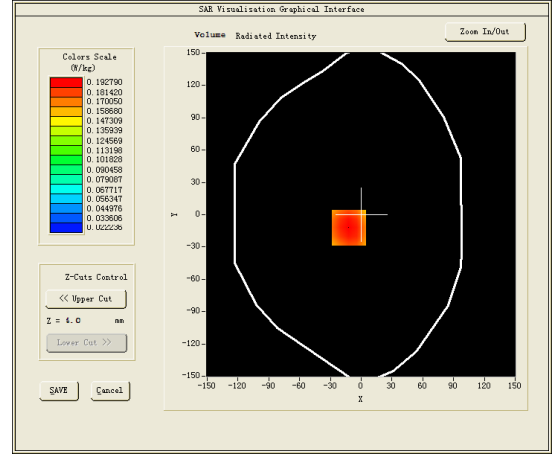
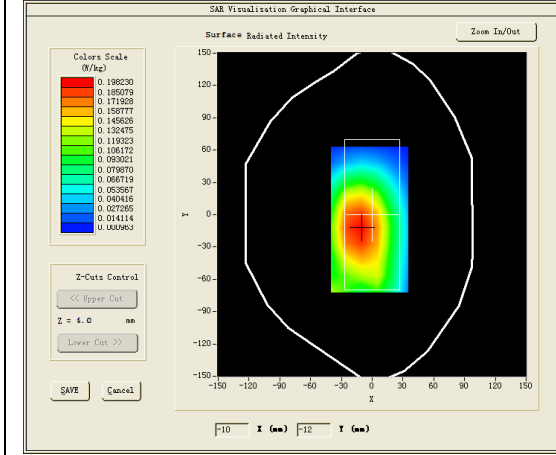
### **B. SAR Measurement Results**

Middle Band SAR (Channel 20525):

<b>Frequency (MHz)</b>	836.500000
<b>Relative permittivity (real part)</b>	53.916100
<b>Relative permittivity (imaginary part)</b>	21.307800
<b>Conductivity (S/m)</b>	0.990221
<b>Variation (%)</b>	1.260000

### SURFACE SAR

### VOLUME SAR

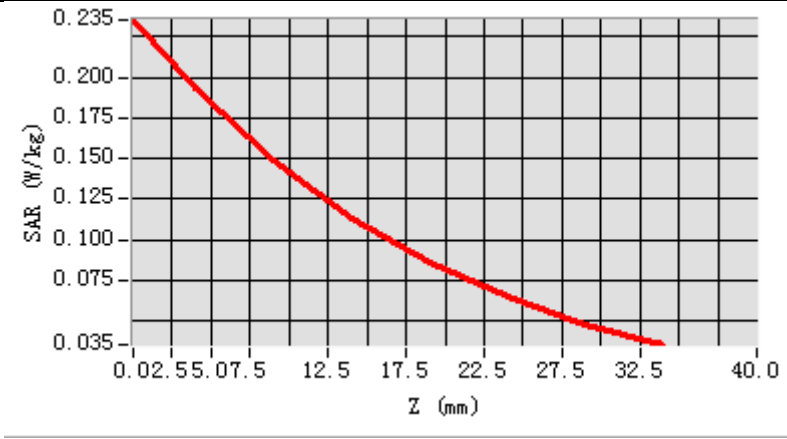


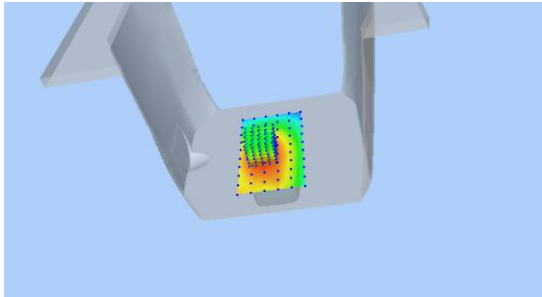
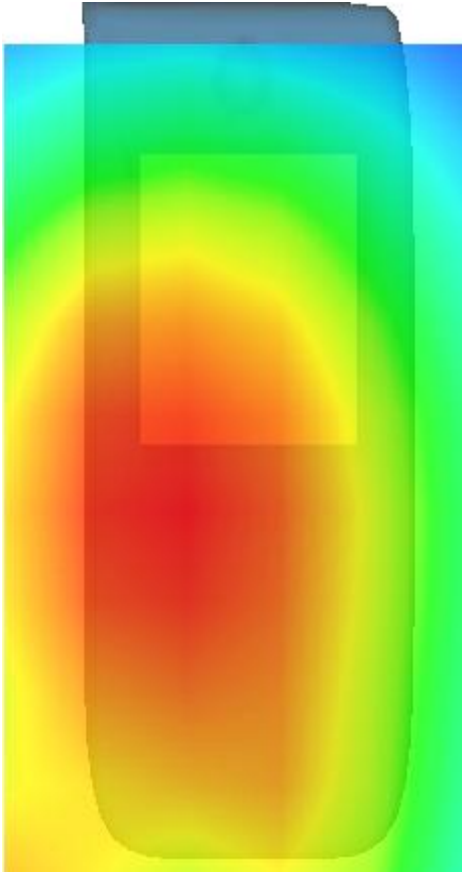
**Maximum location: X=-12.00, Y=-12.00**

**SAR Peak: 0.25 W/kg**

<b>SAR 10g (W/Kg)</b>	0.149239
<b>SAR 1g (W/Kg)</b>	0.202986

<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>0.2354</b>	<b>0.1928</b>	<b>0.1486</b>	<b>0.1132</b>	<b>0.0855</b>	<b>0.0643</b>	<b>0.0478</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 21

Towards-ground-10M-25RB#25-middle

Type: Phone measurement (Complete)

Date of measurement: 14/10/2016

Measurement duration: 8 minutes 6 seconds

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

<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</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>LTE band 5</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty cycle=1:1</u>
<b><u>Conversion factor</u></b>	<u>5.07</u>

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

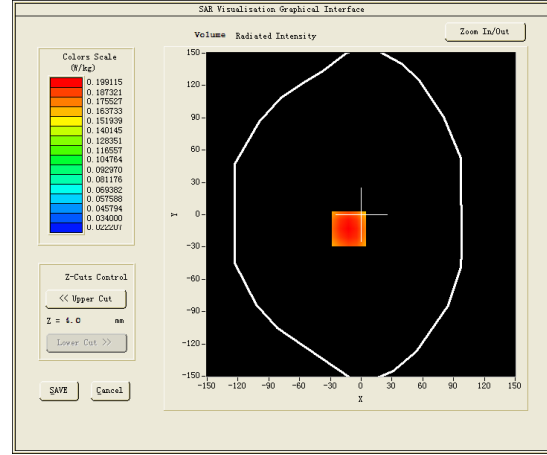
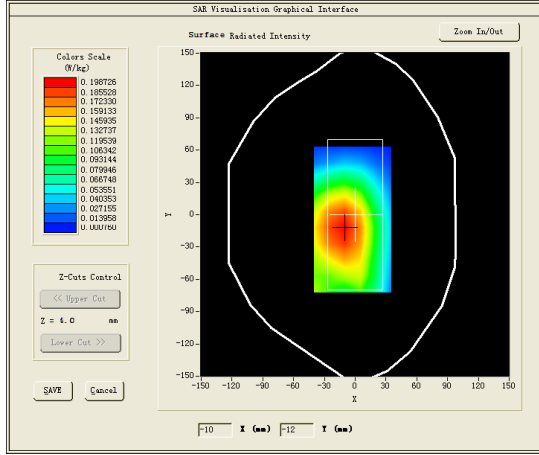
Middle Band SAR (Channel 20525):

<b>Frequency (MHz)</b>	836.500000
<b>Relative permittivity (real part)</b>	53.916100
<b>Relative permittivity (imaginary part)</b>	21.307800
<b>Conductivity (S/m)</b>	0.990221
<b>Variation (%)</b>	-0.190000



### SURFACE SAR

### VOLUME SAR

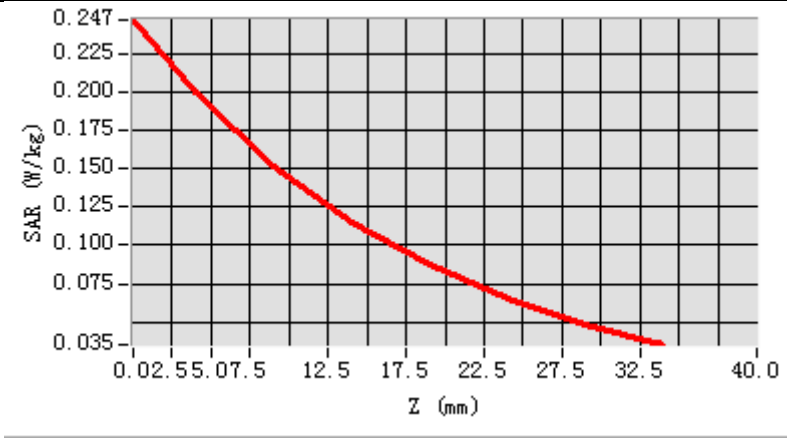


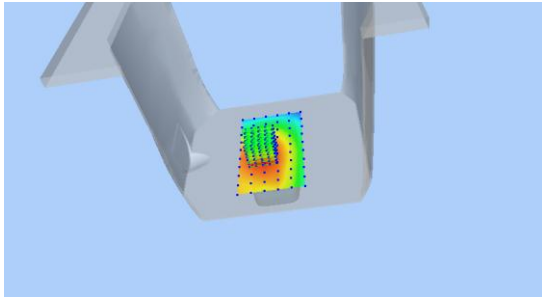
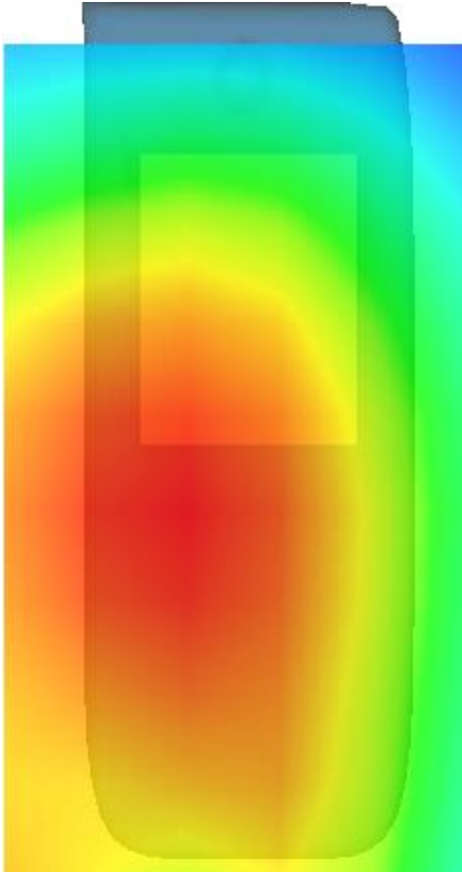
**Maximum location: X=-12.00, Y=-13.00**

**SAR Peak: 0.26 W/kg**

<b>SAR 10g (W/Kg)</b>	0.153270
<b>SAR 1g (W/Kg)</b>	0.209785

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2467	0.1991	0.1517	0.1151	0.0870	0.0649	0.0482



3D screen shot	Hot spot position
	

## MEASUREMENT 22

Type: Phone measurement (Complete)

Date of measurement: 14/10/2016

Measurement duration: 9 minutes 13 seconds

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

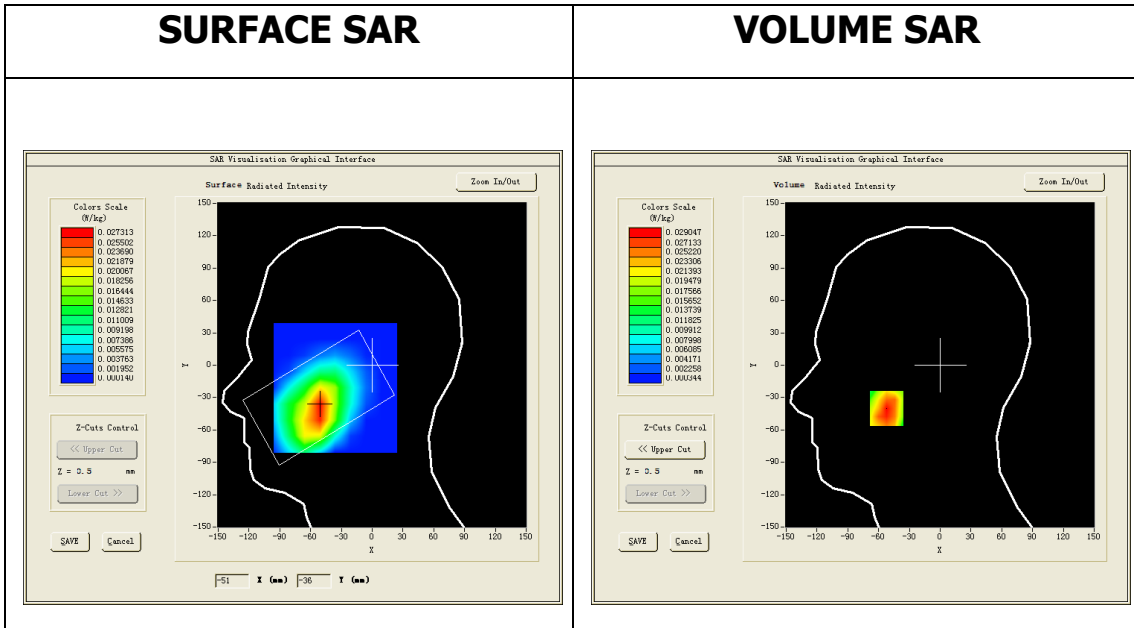
<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7, dx=8mm dy=8mm dz=5mm, Complete</u>
<b><u>Phantom</u></b>	<u>Right head</u>
<b><u>Device Position</u></b>	<u>Cheek</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS850 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<b><u>Conversion factor</u></b>	<u>4.93</u>

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

<b>Frequency (MHz)</b>	836.599976
<b>Relative permittivity (real part)</b>	40.236820
<b>Relative permittivity (imaginary part)</b>	19.854200
<b>Conductivity (S/m)</b>	0.922779
<b>Variation (%)</b>	1.990000

### SURFACE SAR

### VOLUME SAR

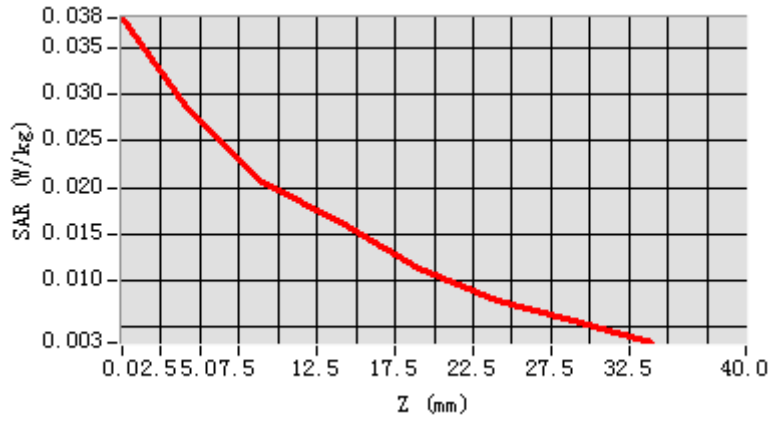


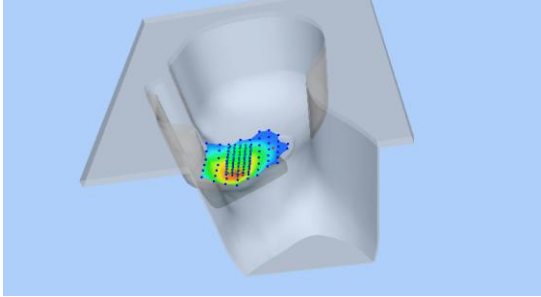
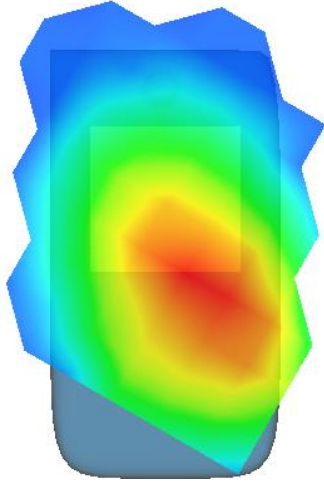
**Maximum location: X=-52.00, Y=-40.00**

**SAR Peak: 0.04 W/kg**

<b>SAR 10g (W/Kg)</b>	0.018804
<b>SAR 1g (W/Kg)</b>	0.028606

<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>0.0382</b>	<b>0.0290</b>	<b>0.0205</b>	<b>0.0163</b>	<b>0.0112</b>	<b>0.0079</b>	<b>0.0057</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 23

Rear-side-middle

Type: Phone measurement (Complete)

Date of measurement: 14/10/2016

Measurement duration: 11 minutes 27 seconds

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

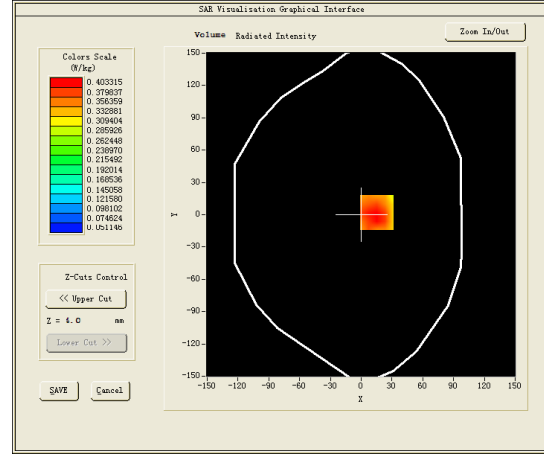
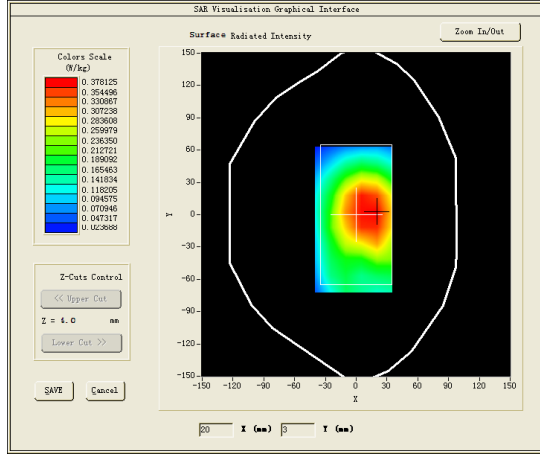
<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS850 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></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>	40.236820
<b>Relative permittivity (imaginary part)</b>	19.854200
<b>Conductivity (S/m)</b>	0.922779
<b>Variation (%)</b>	-1.730000

### SURFACE SAR

### VOLUME SAR

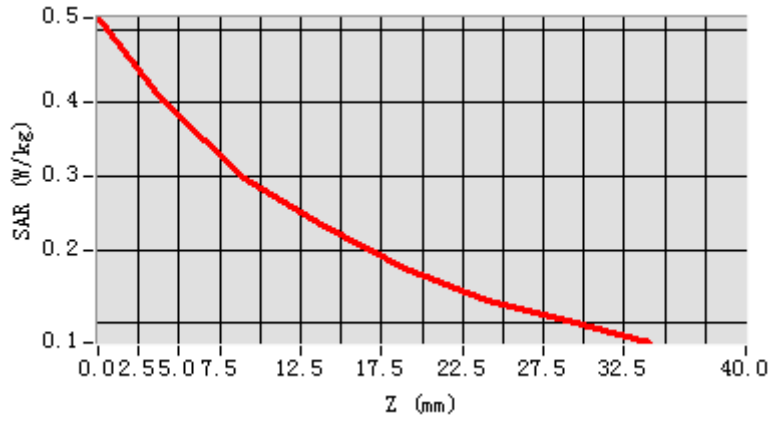


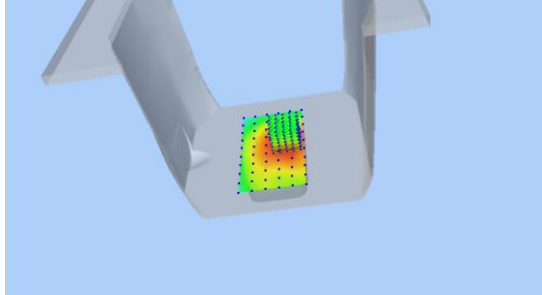
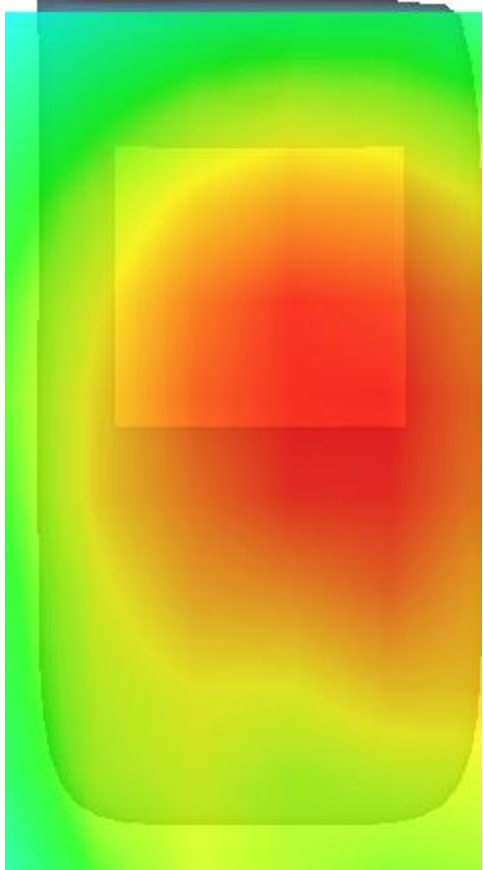
**Maximum location: X=15.00, Y=2.00**

**SAR Peak: 0.53 W/kg**

<b>SAR 10g (W/Kg)</b>	0.286972
<b>SAR 1g (W/Kg)</b>	0.409218

<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>0.5159</b>	<b>0.4033</b>	<b>0.2970</b>	<b>0.2324</b>	<b>0.1750</b>	<b>0.1305</b>	<b>0.1036</b>



3D screen shot	Hot spot position
	



## MEASUREMENT 24

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 14/10/2016

Measurement duration: 11 minutes 21 seconds

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

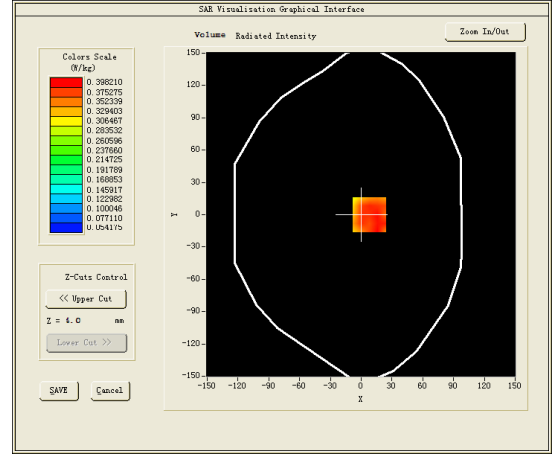
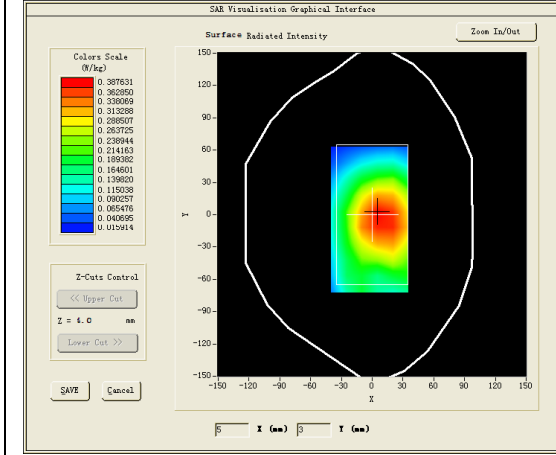
<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS850 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></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>	40.236820
<b>Relative permittivity (imaginary part)</b>	19.854200
<b>Conductivity (S/m)</b>	0.922779
<b>Variation (%)</b>	2.000000

### SURFACE SAR

### VOLUME SAR

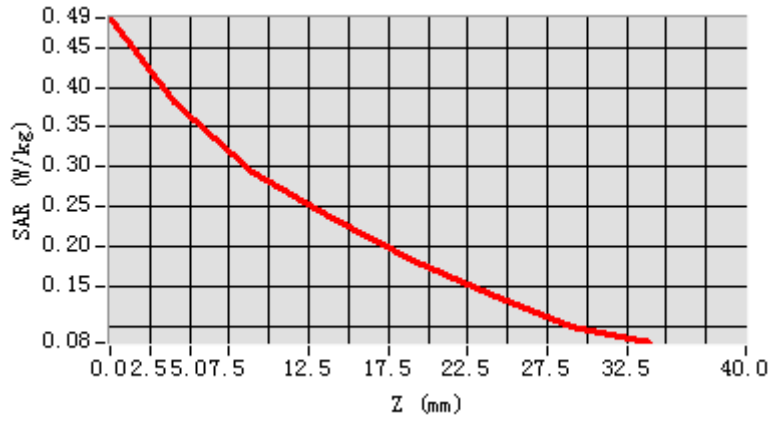


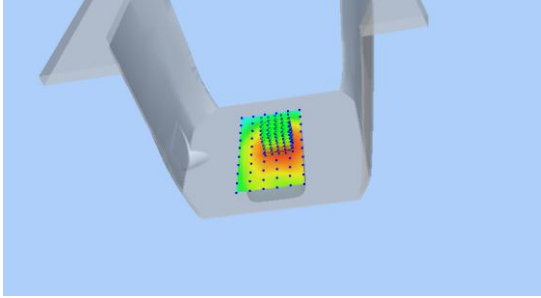
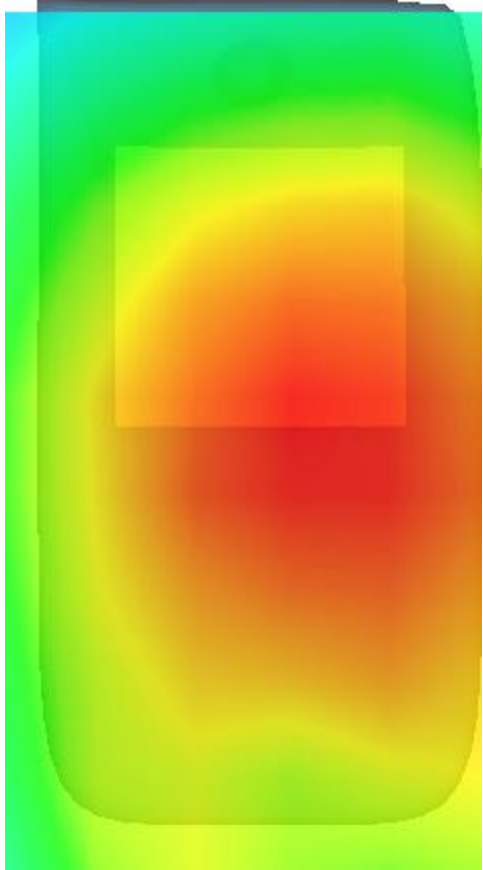
**Maximum location: X=8.00, Y=0.00**

**SAR Peak: 0.53 W/kg**

<b>SAR 10g (W/Kg)</b>	0.287513
<b>SAR 1g (W/Kg)</b>	0.397484

<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>0.4872</b>	<b>0.3811</b>	<b>0.2925</b>	<b>0.2345</b>	<b>0.1812</b>	<b>0.1406</b>	<b>0.0996</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 25

Type: Phone measurement (Complete)

Date of measurement: 15/10/2016

Measurement duration: 10 minutes 27 seconds

### A. Experimental conditions.

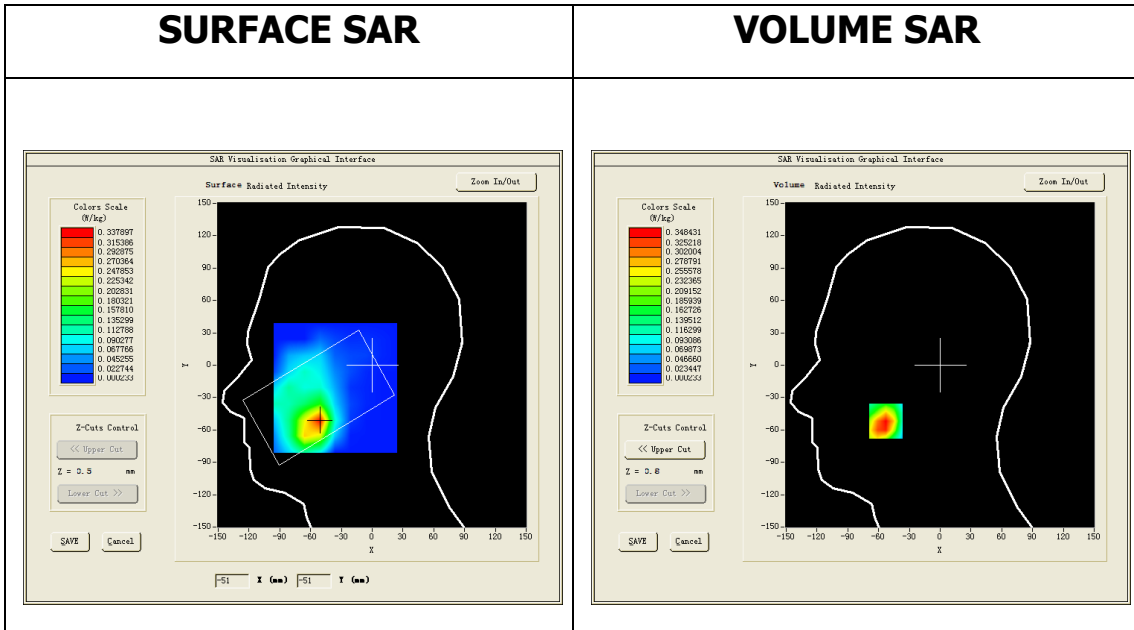
<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7, dx=8mm dy=8mm dz=5mm, Complete</u>
<b><u>Phantom</u></b>	<u>Left head</u>
<b><u>Device Position</u></b>	<u>Cheek</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS1900 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<b><u>Conversion factor</u></b>	<u>4.63</u>

### B. SAR Measurement Results

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	39.914200
<b>Relative permittivity (imaginary part)</b>	13.434300
<b>Conductivity (S/m)</b>	1.403138
<b>Variation (%)</b>	1.720000

### SURFACE SAR

### VOLUME SAR

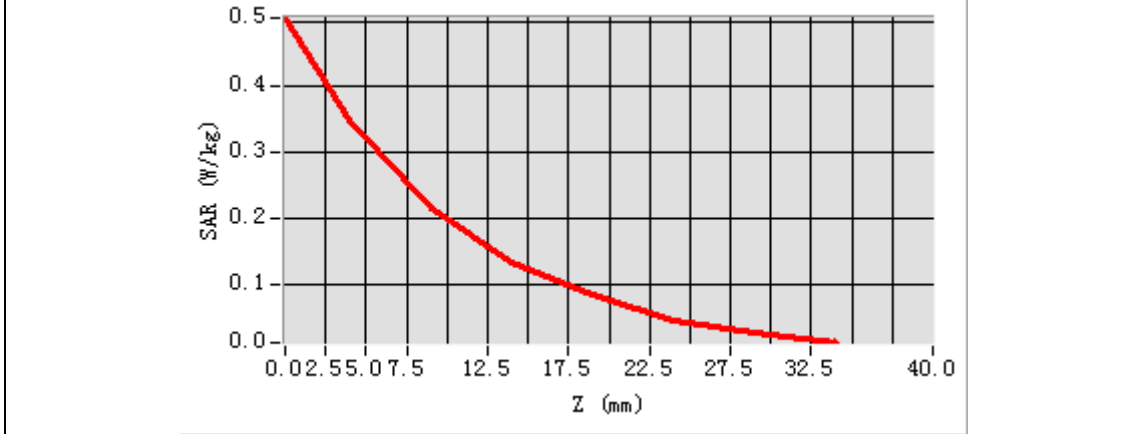


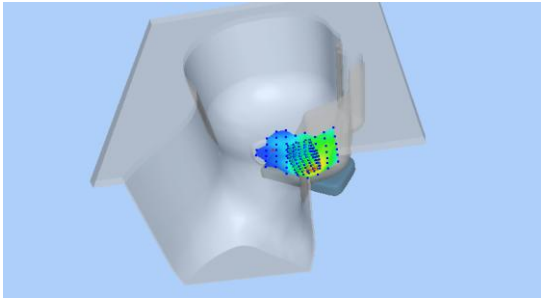
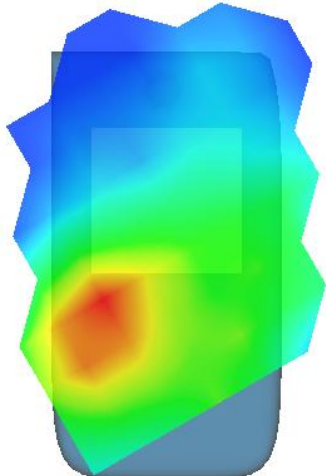
**Maximum location: X=-53.00, Y=-52.00**

**SAR Peak: 0.53 W/kg**

<b>SAR 10g (W/Kg)</b>	0.187940
<b>SAR 1g (W/Kg)</b>	0.339786

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5046	0.3484	0.2176	0.1340	0.0867	0.0475	0.0287



3D screen shot	Hot spot position
	

## MEASUREMENT 26

Bottom-side-middle

Type: Phone measurement (Complete)

Date of measurement: 15/10/2016

Measurement duration: 10 minutes 54 seconds

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

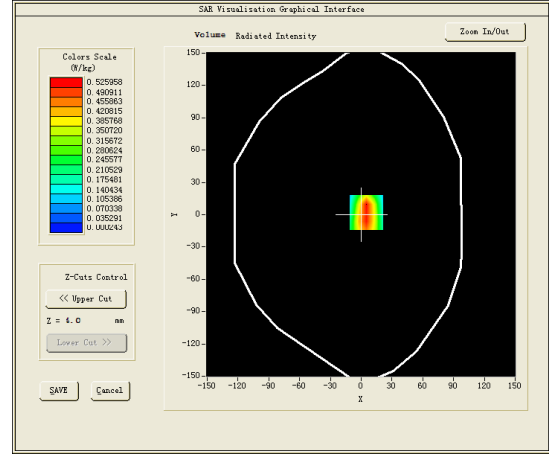
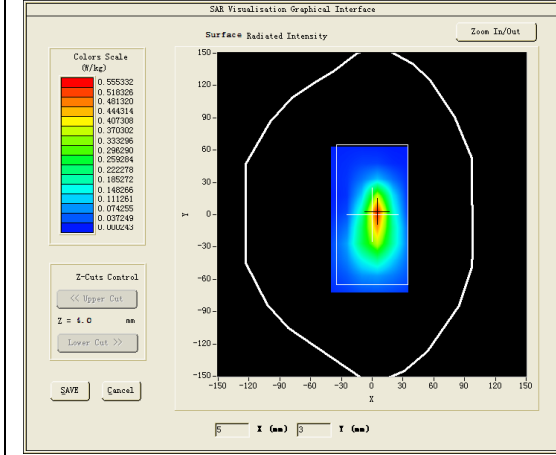
<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS1900 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></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>	53.356098
<b>Relative permittivity (imaginary part)</b>	14.668600
<b>Conductivity (S/m)</b>	1.532054
<b>Variation (%)</b>	-1.440000

### SURFACE SAR

### VOLUME SAR



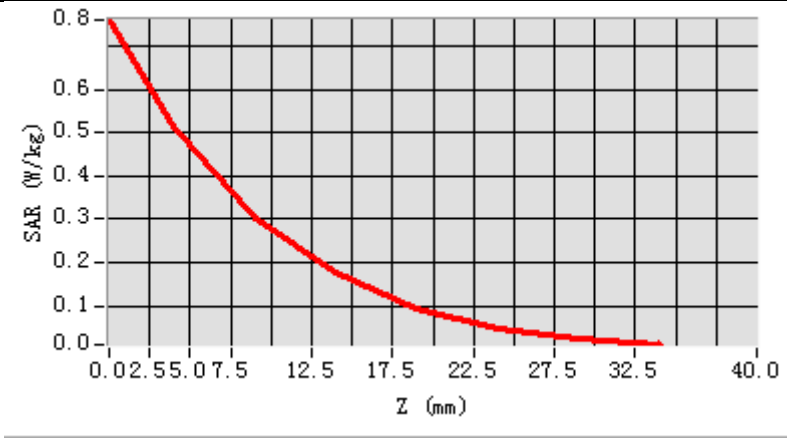
**Maximum location: X=5.00, Y=2.00**

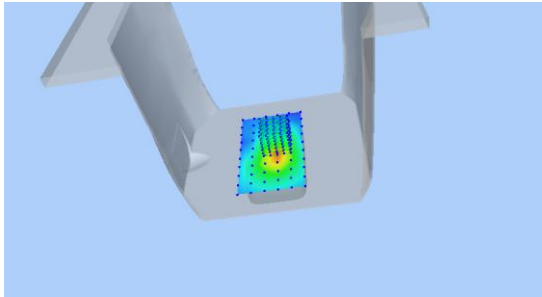
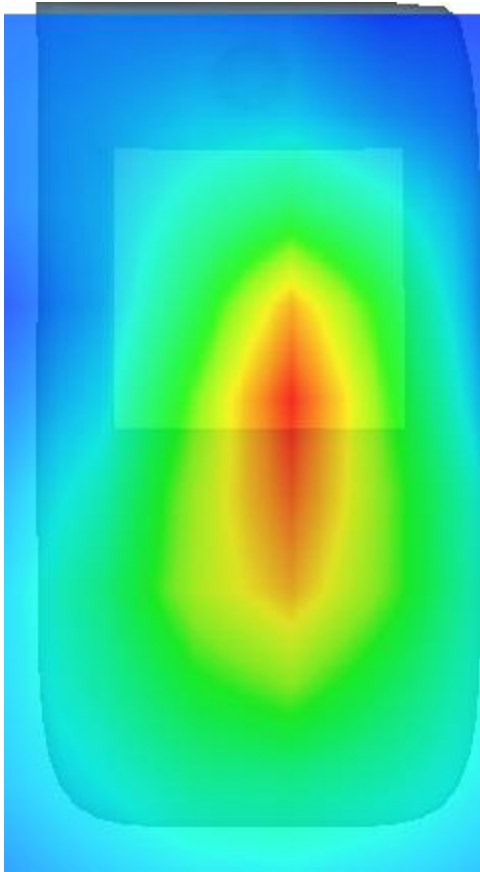
**SAR Peak: 0.84 W/kg**

<b>SAR 10g (W/Kg)</b>	0.254789
<b>SAR 1g (W/Kg)</b>	0.499017



<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>0.7602</b>	<b>0.5146</b>	<b>0.3012</b>	<b>0.1762</b>	<b>0.0930</b>	<b>0.0469</b>	<b>0.0254</b>



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

## MEASUREMENT 27

Towards-phantom-middle

Type: Phone measurement (Complete)

Date of measurement: 15/10/2016

Measurement duration: 10 minutes 36 seconds

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

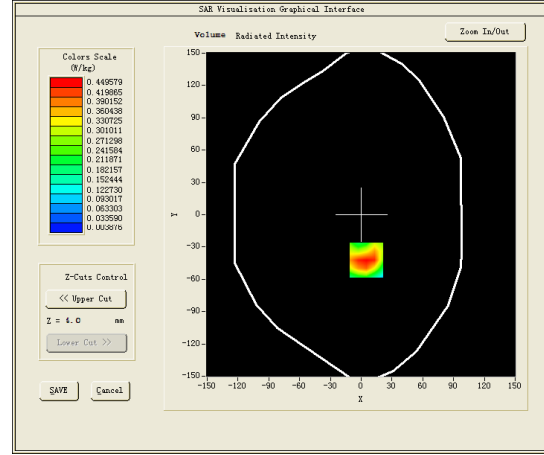
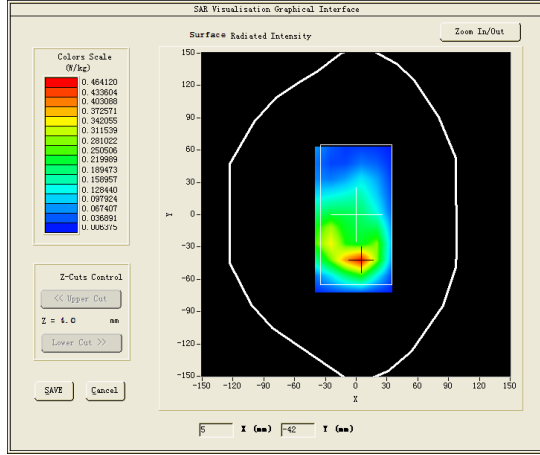
<b><u>Area Scan</u></b>	<u>dx=15mm dy=15mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS1900 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></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>	53.356098
<b>Relative permittivity (imaginary part)</b>	14.668600
<b>Conductivity (S/m)</b>	1.532054
<b>Variation (%)</b>	0.080000

### SURFACE SAR

### VOLUME SAR

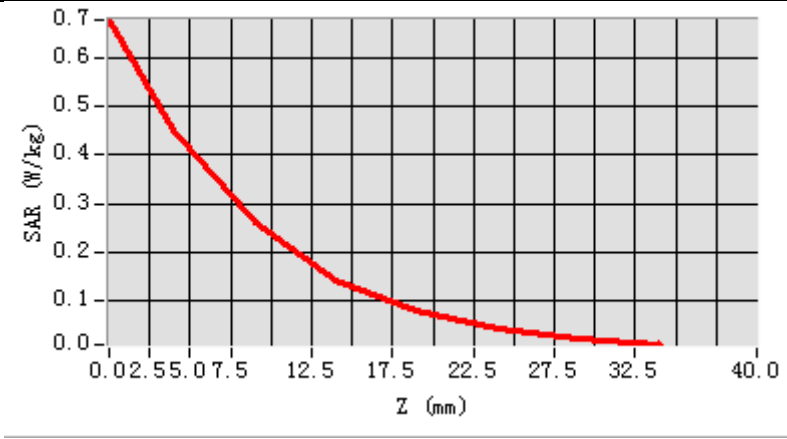


**Maximum location: X=5.00, Y=-42.00**

**SAR Peak: 0.71 W/kg**

<b>SAR 10g (W/Kg)</b>	0.228593
<b>SAR 1g (W/Kg)</b>	0.429085

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6763	0.4496	0.2627	0.1426	0.0821	0.0442	0.0225



3D screen shot	Hot spot position
