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## **Annex B: Measurement Results**

**Project Name : X557**

**Report Number:  
FCC16083920A-6**

## MEASUREMENT 1

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 9 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</u> <u>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>Low</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 1:2</u>
<b><u>Conversion factor</u></b>	<u>4.93</u>

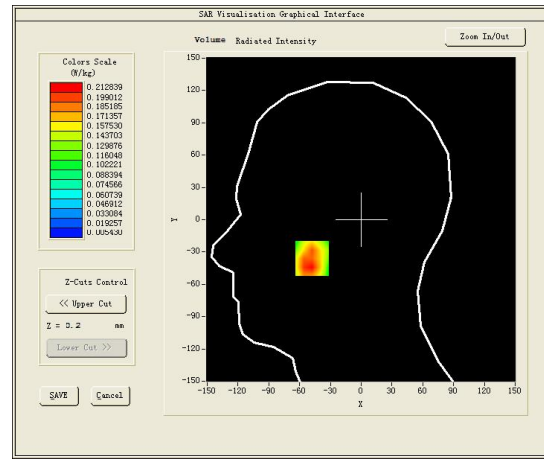
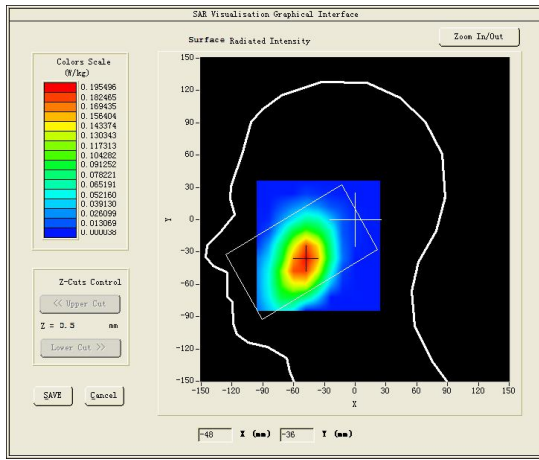
### **B. SAR Measurement Results**

Lower Band SAR (Channel 128):

<b>Frequency (MHz)</b>	824.200012
<b>Relative permittivity (real part)</b>	40.676079
<b>Relative permittivity (imaginary part)</b>	19.941540
<b>Conductivity (S/m)</b>	0.913101
<b>Variation (%)</b>	-0.110000

### SURFACE SAR

### VOLUME SAR

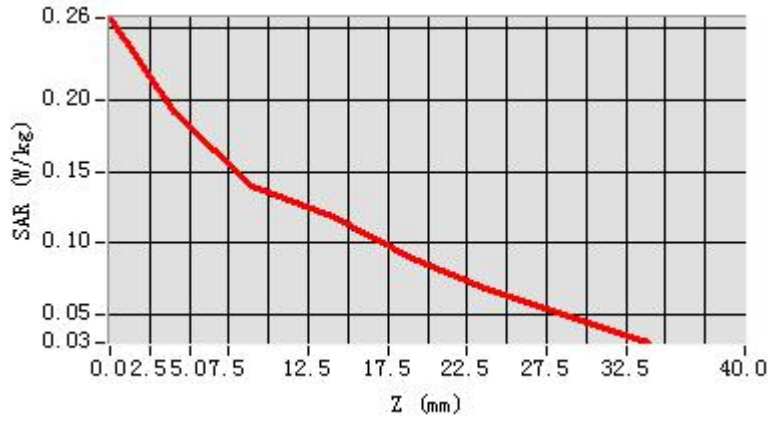


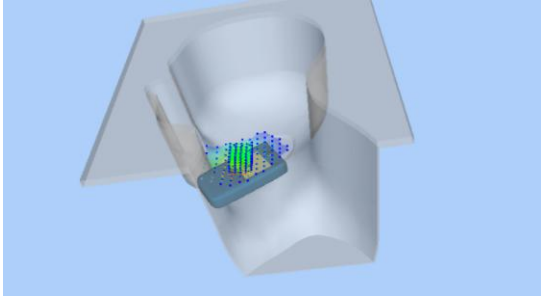
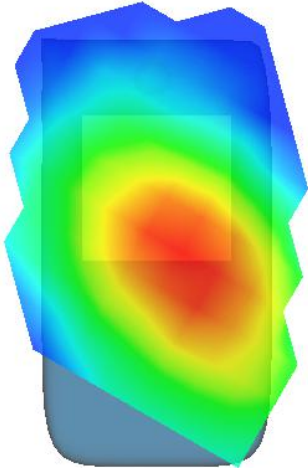
**Maximum location: X=-48.00, Y=-36.00**

**SAR Peak: 0.30 W/kg**

<b>SAR 10g (W/Kg)</b>	0.138546
<b>SAR 1g (W/Kg)</b>	0.210511

<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>0.2567</b>	<b>0.1909</b>	<b>0.1389</b>	<b>0.1183</b>	<b>0.0897</b>	<b>0.0669</b>	<b>0.0482</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 2

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 9 minutes 55 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>CUSTOM (GPRS850 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 1:2</u>
<b><u>Conversion factor</u></b>	<u>4.93</u>

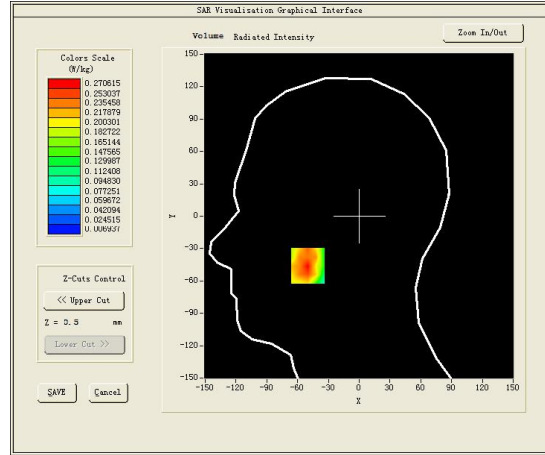
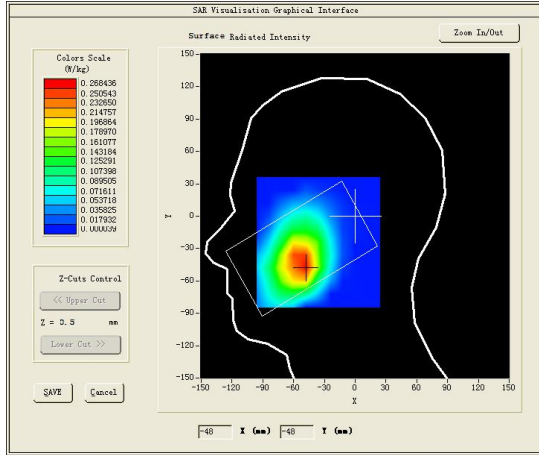
### **B. SAR Measurement Results**

Middle Band SAR (Channel 190):

<b>Frequency (MHz)</b>	836.599976
<b>Relative permittivity (real part)</b>	40.527519
<b>Relative permittivity (imaginary part)</b>	19.956440
<b>Conductivity (S/m)</b>	0.927531
<b>Variation (%)</b>	-3.200000

### SURFACE SAR

### VOLUME SAR

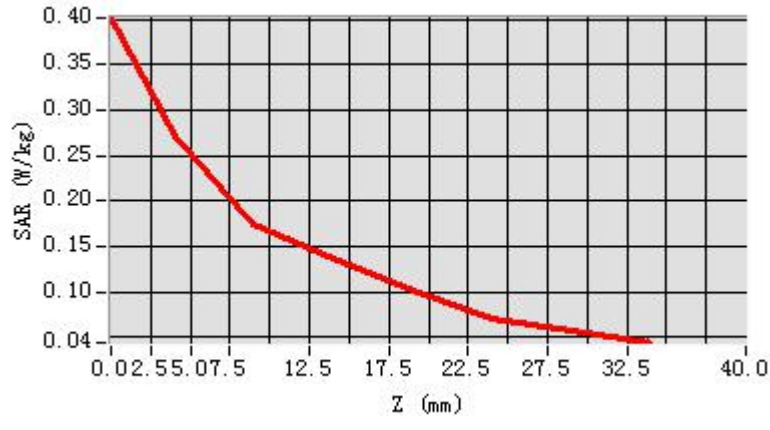


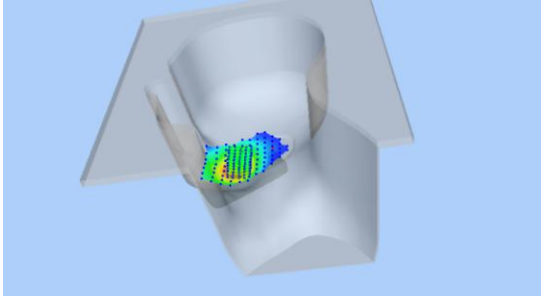
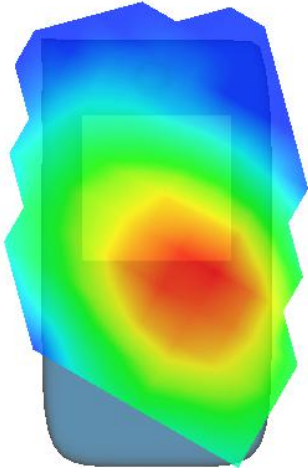
**Maximum location: X=-50.00, Y=-46.00**

**SAR Peak: 0.41 W/kg**

<b>SAR 10g (W/Kg)</b>	0.178411
<b>SAR 1g (W/Kg)</b>	0.268429

<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>0.4012</b>	<b>0.2706</b>	<b>0.1730</b>	<b>0.1374</b>	<b>0.1017</b>	<b>0.0693</b>	<b>0.0575</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 3

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 9 minutes 45 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>CUSTOM (GPRS850 4Tx)</u>
<b><u>Channels</u></b>	<u>High</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 1:2</u>
<b><u>Conversion factor</u></b>	<u>4.93</u>

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

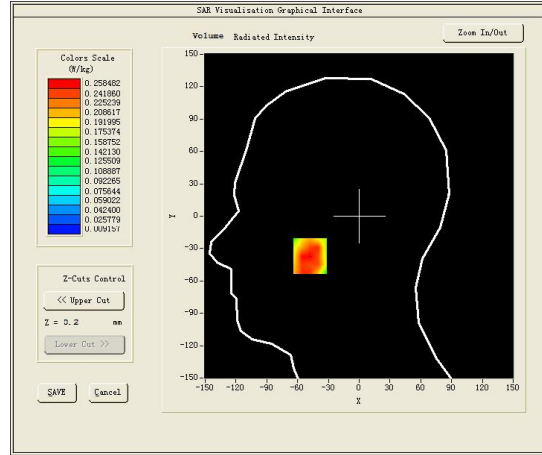
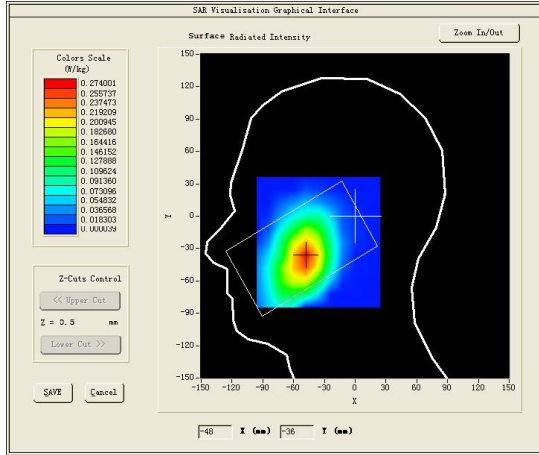
Higher Band SAR (Channel 251):

<b>Frequency (MHz)</b>	848.799988
<b>Relative permittivity (real part)</b>	40.332939
<b>Relative permittivity (imaginary part)</b>	20.024380
<b>Conductivity (S/m)</b>	0.944261
<b>Variation (%)</b>	1.840000



### SURFACE SAR

### VOLUME SAR

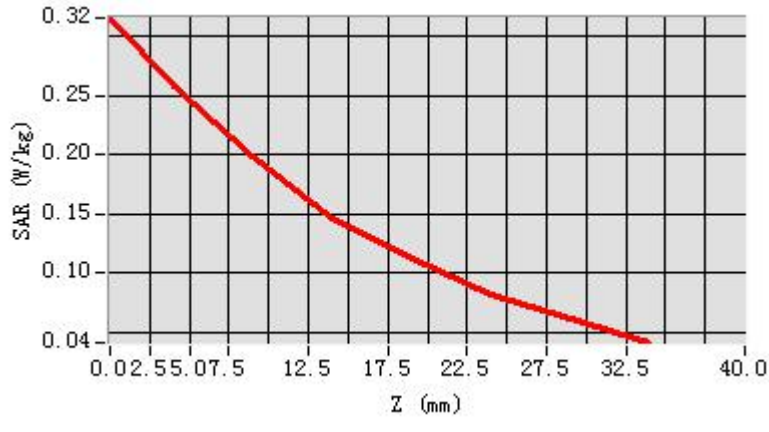


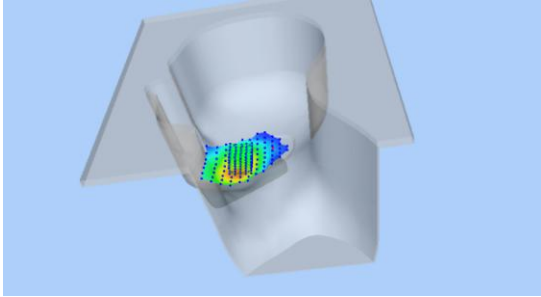
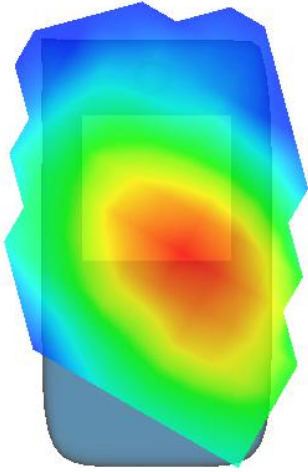
**Maximum location: X=-48.00, Y=-37.00**

**SAR Peak: 0.37 W/kg**

<b>SAR 10g (W/Kg)</b>	0.176805
<b>SAR 1g (W/Kg)</b>	0.258664

<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>0.3153</b>	<b>0.2585</b>	<b>0.1985</b>	<b>0.1460</b>	<b>0.1127</b>	<b>0.0822</b>	<b>0.0621</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 4

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 8 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>Right head</u>
<b><u>Device Position</u></b>	<u>Tilt</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: 1:2</u>
<b><u>Conversion factor</u></b>	<u>4.93</u>

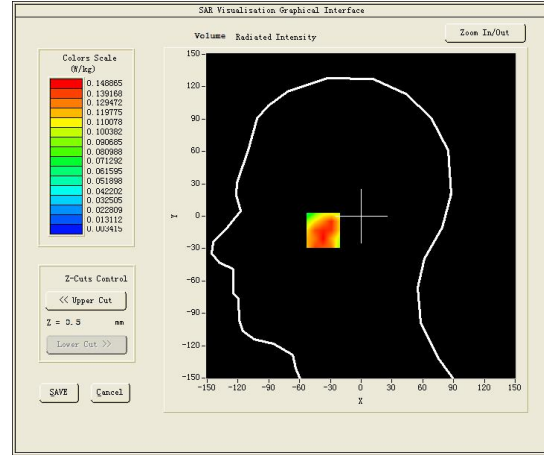
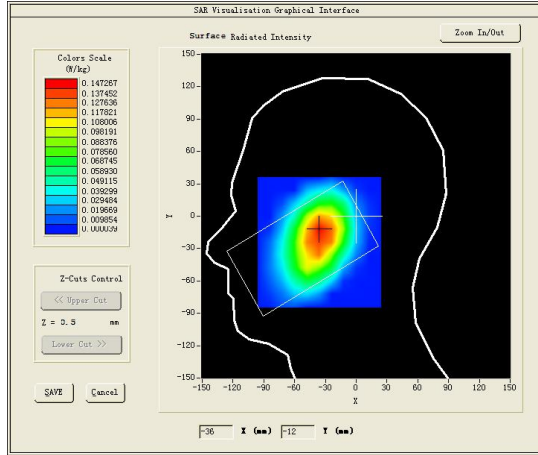
### **B. SAR Measurement Results**

Middle Band SAR (Channel 190):

<b>Frequency (MHz)</b>	836.599976
<b>Relative permittivity (real part)</b>	40.527519
<b>Relative permittivity (imaginary part)</b>	19.956440
<b>Conductivity (S/m)</b>	0.927531
<b>Variation (%)</b>	-1.420000

### SURFACE SAR

### VOLUME SAR

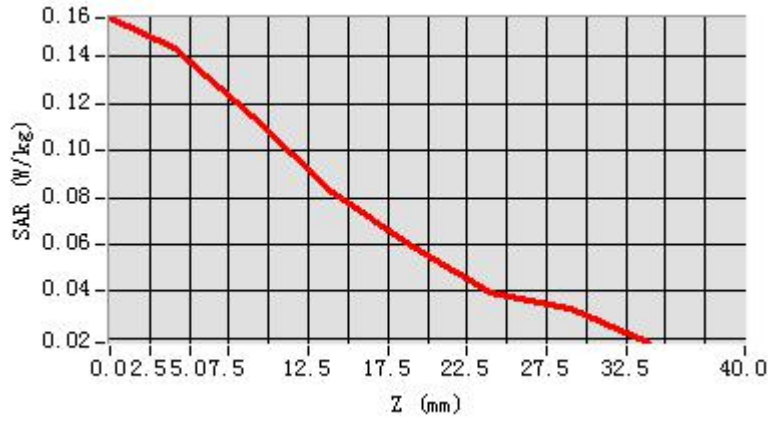


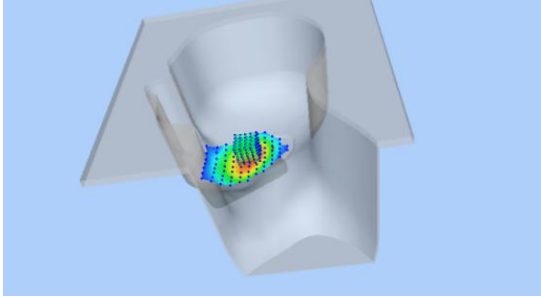
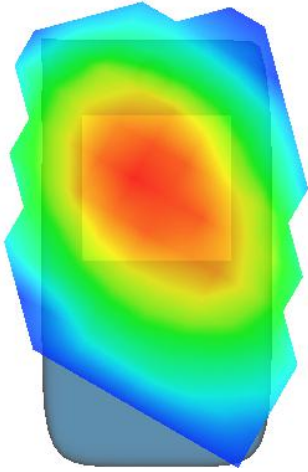
**Maximum location: X=-35.00, Y=-13.00**

**SAR Peak: 0.21 W/kg**

<b>SAR 10g (W/Kg)</b>	0.099195
<b>SAR 1g (W/Kg)</b>	0.145378

<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>0.1565</b>	<b>0.1441</b>	<b>0.1145</b>	<b>0.0820</b>	<b>0.0593</b>	<b>0.0395</b>	<b>0.0325</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 5

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 9 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>Left 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: 1:2</u>
<b><u>Conversion factor</u></b>	<u>4.93</u>

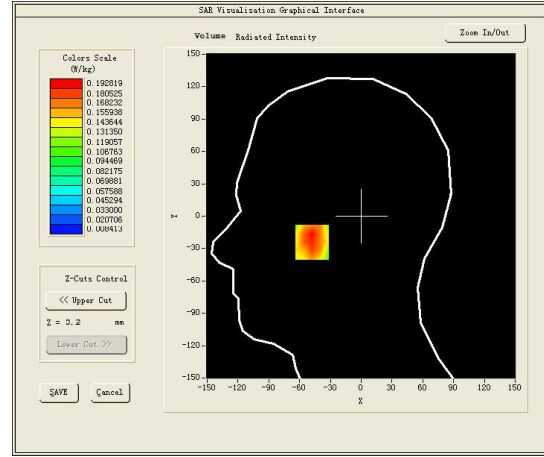
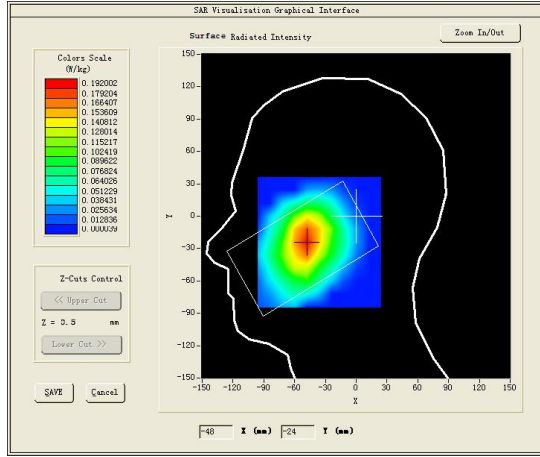
### **B. SAR Measurement Results**

Middle Band SAR (Channel 190):

<b>Frequency (MHz)</b>	836.599976
<b>Relative permittivity (real part)</b>	40.527519
<b>Relative permittivity (imaginary part)</b>	19.956440
<b>Conductivity (S/m)</b>	0.927531
<b>Variation (%)</b>	2.900000

### SURFACE SAR

### VOLUME SAR

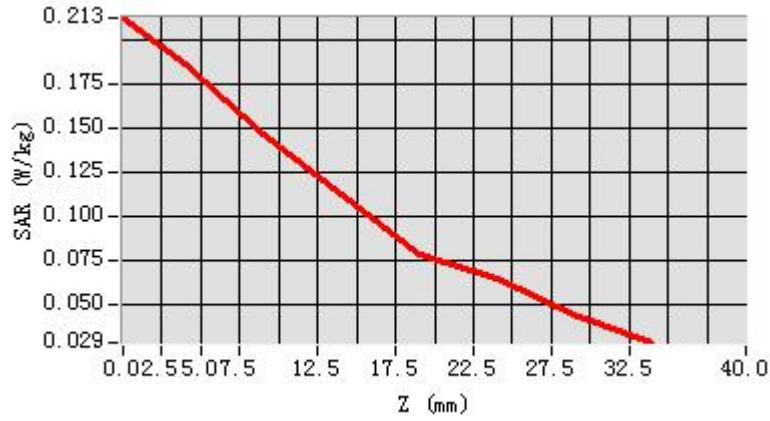


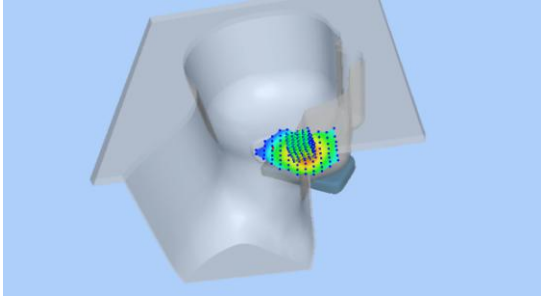
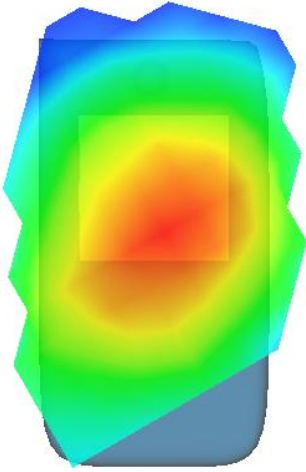
**Maximum location: X=-48.00, Y=-24.00**

**SAR Peak: 0.25 W/kg**

<b>SAR 10g (W/Kg)</b>	0.131960
<b>SAR 1g (W/Kg)</b>	0.188561

<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>0.2127</b>	<b>0.1863</b>	<b>0.1469</b>	<b>0.1127</b>	<b>0.0785</b>	<b>0.0646</b>	<b>0.0446</b>



3D screen shot	Hot spot position
	



## MEASUREMENT 6

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 8 minutes 54 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>Left head</u>
<b><u>Device Position</u></b>	<u>Tilt</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: 1:2</u>
<b><u>Conversion factor</u></b>	<u>4.93</u>

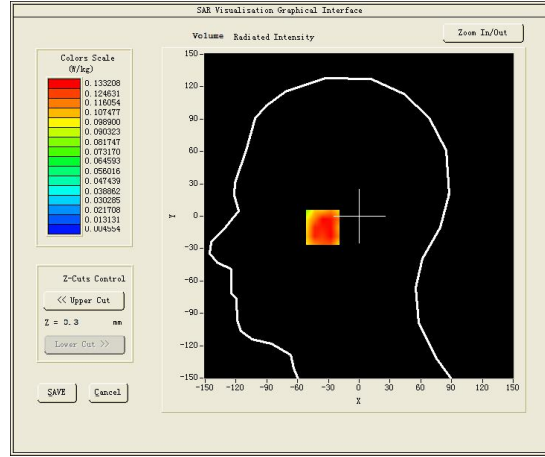
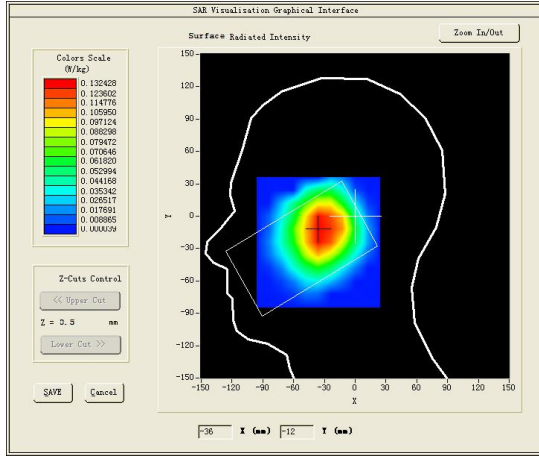
### **B. SAR Measurement Results**

Middle Band SAR (Channel 190):

<b>Frequency (MHz)</b>	836.599976
<b>Relative permittivity (real part)</b>	40.527519
<b>Relative permittivity (imaginary part)</b>	19.956440
<b>Conductivity (S/m)</b>	0.927531
<b>Variation (%)</b>	-4.450000

### SURFACE SAR

### VOLUME SAR

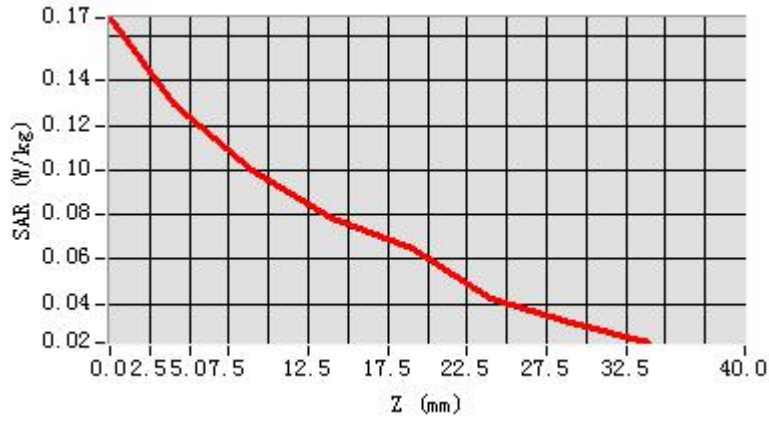


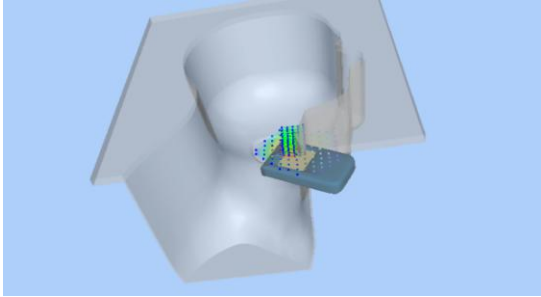
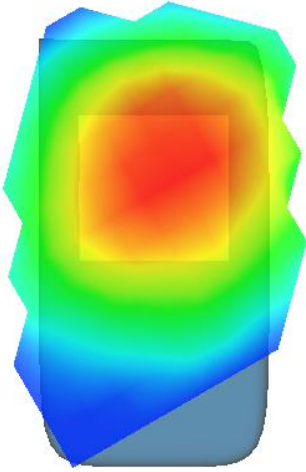
**Maximum location: X=-33.00, Y=-10.00**

**SAR Peak: 0.20 W/kg**

<b>SAR 10g (W/Kg)</b>	0.096648
<b>SAR 1g (W/Kg)</b>	0.139961

<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>0.1681</b>	<b>0.1296</b>	<b>0.0997</b>	<b>0.0784</b>	<b>0.0650</b>	<b>0.0425</b>	<b>0.0317</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 7

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 10 minutes 9 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>Right 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>Low</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 1:2</u>
<b><u>Conversion factor</u></b>	<u>4.63</u>

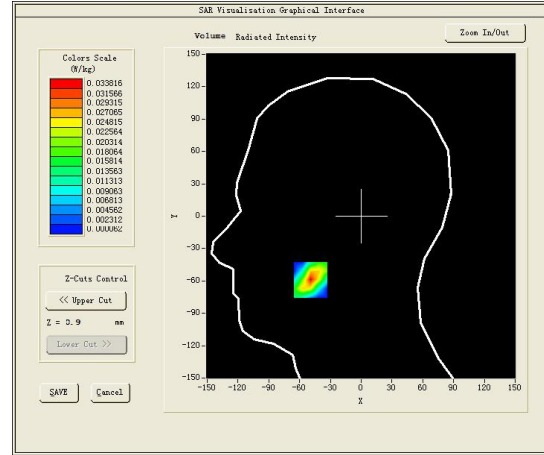
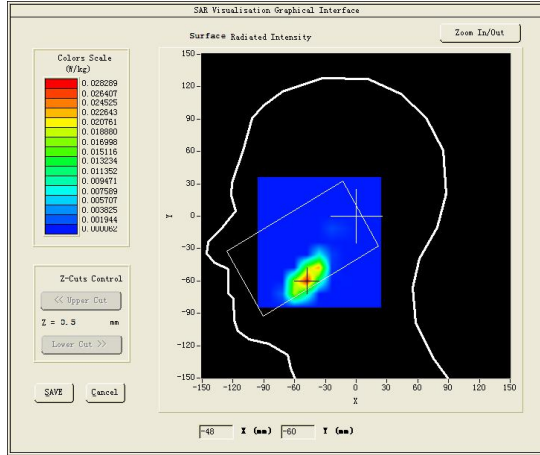
### **B. SAR Measurement Results**

Lower Band SAR (Channel 512):

<b>Frequency (MHz)</b>	1850.199951
<b>Relative permittivity (real part)</b>	40.075100
<b>Relative permittivity (imaginary part)</b>	13.412000
<b>Conductivity (S/m)</b>	1.378605
<b>Variation (%)</b>	0.000000

### SURFACE SAR

### VOLUME SAR

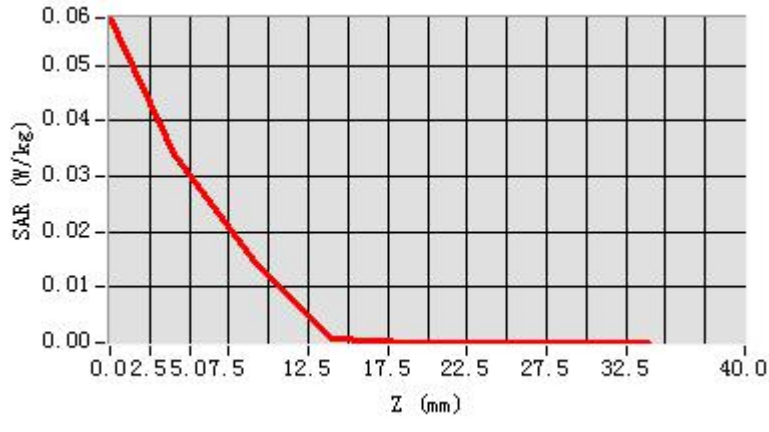


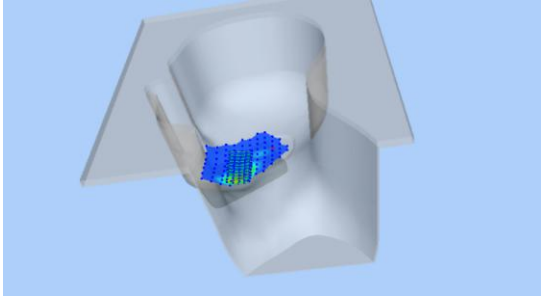
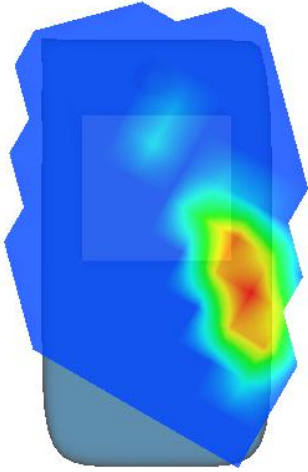
**Maximum location: X=-49.00, Y=-59.00**

**SAR Peak: 0.06 W/kg**

<b>SAR 10g (W/Kg)</b>	0.010924
<b>SAR 1g (W/Kg)</b>	0.030098

<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>0.0585</b>	<b>0.0338</b>	<b>0.0153</b>	<b>0.0008</b>	<b>0.0001</b>	<b>0.0001</b>	<b>0.0001</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 8

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 10 minutes 10 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>CUSTOM (GPRS1900 4TX)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 1:2</u>
<b><u>Conversion factor</u></b>	<u>4.63</u>

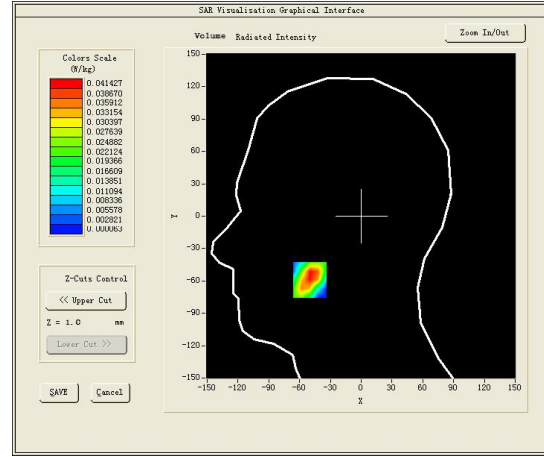
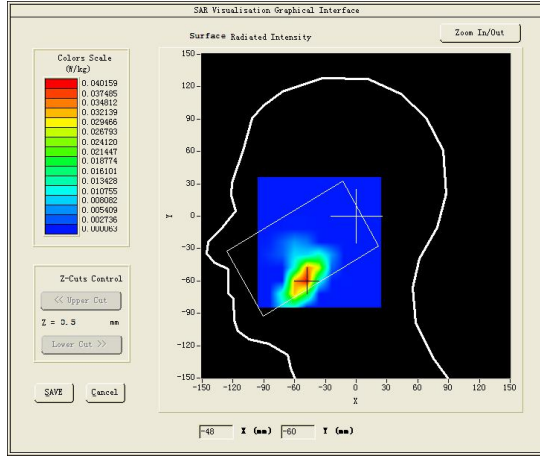
### **B. SAR Measurement Results**

Middle Band SAR (Channel 661):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	40.054401
<b>Relative permittivity (imaginary part)</b>	13.497900
<b>Conductivity (S/m)</b>	1.409781
<b>Variation (%)</b>	0.000000

### SURFACE SAR

### VOLUME SAR



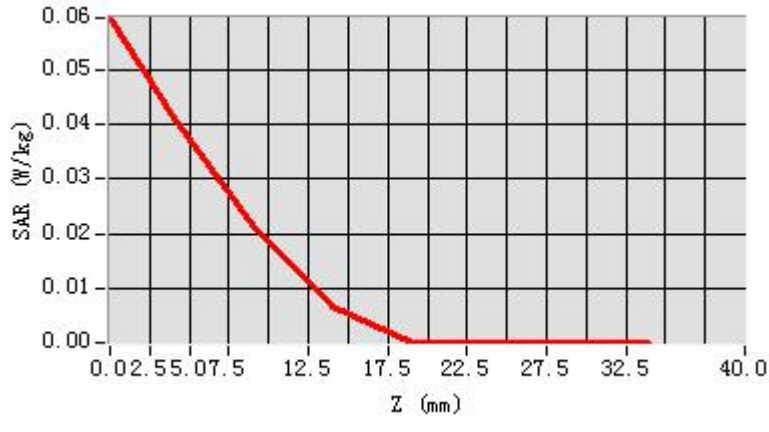
**Maximum location: X=-50.00, Y=-59.00**

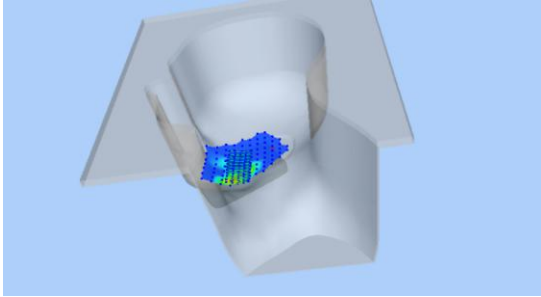
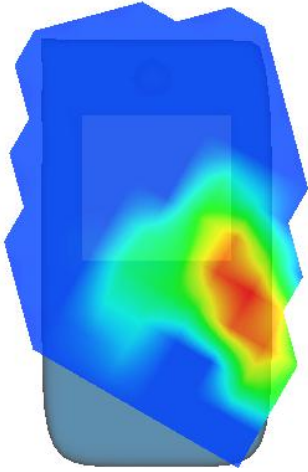
**SAR Peak: 0.08 W/kg**

<b>SAR 10g (W/Kg)</b>	0.015912
<b>SAR 1g (W/Kg)</b>	0.039566



<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>0.0594</b>	<b>0.0410</b>	<b>0.0217</b>	<b>0.0067</b>	<b>0.0001</b>	<b>0.0001</b>	<b>0.0001</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 9

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 10 minutes 9 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>CUSTOM (GPRS1900 4TX)</u>
<b><u>Channels</u></b>	<u>High</u>
<b><u>Signal</u></b>	<u>Duty Cycle: 1:2</u>
<b><u>Conversion factor</u></b>	<u>4.63</u>

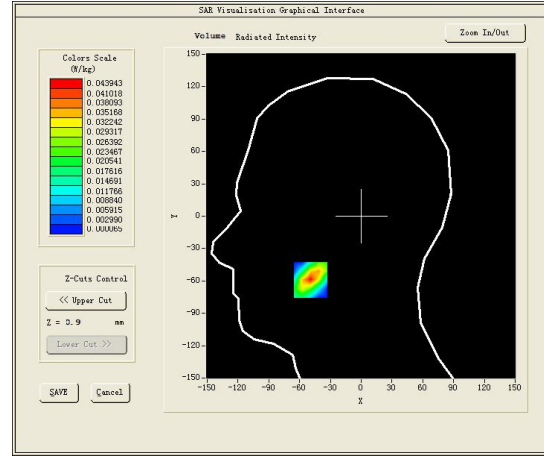
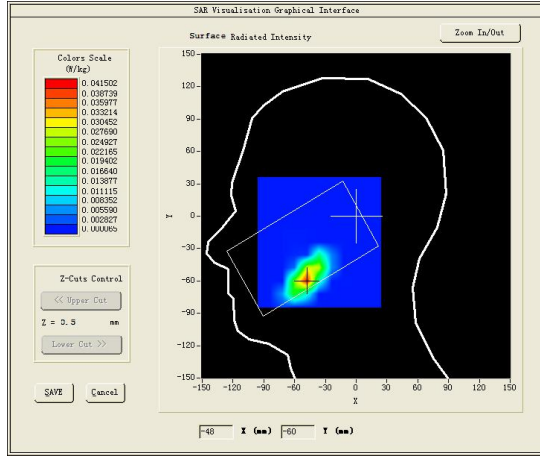
### **B. SAR Measurement Results**

Higher Band SAR (Channel 810):

<b>Frequency (MHz)</b>	1909.800049
<b>Relative permittivity (real part)</b>	40.033501
<b>Relative permittivity (imaginary part)</b>	13.583700
<b>Conductivity (S/m)</b>	1.441231
<b>Variation (%)</b>	0.000000

### SURFACE SAR

### VOLUME SAR

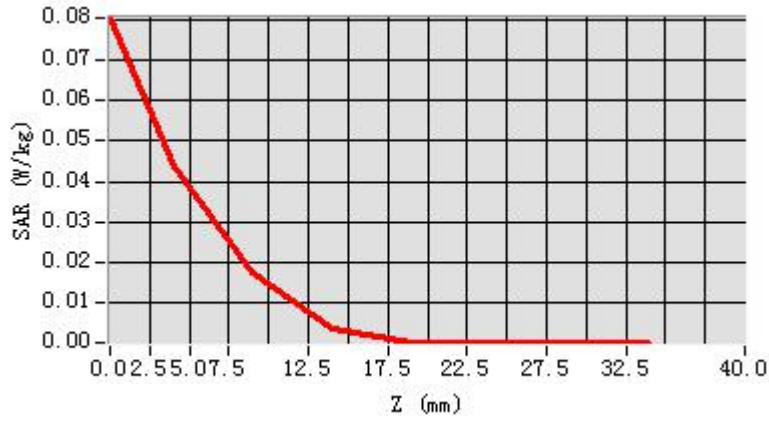


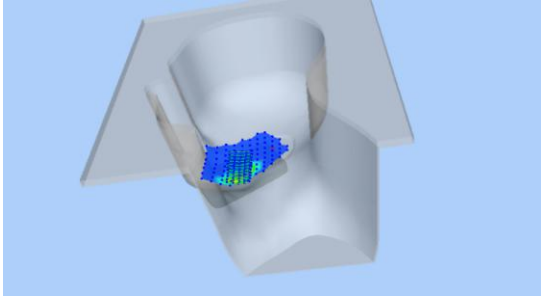
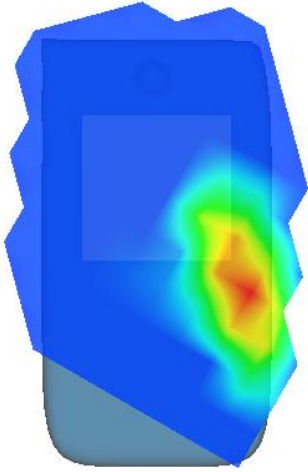
**Maximum location: X=-49.00, Y=-59.00**

**SAR Peak: 0.08 W/kg**

<b>SAR 10g (W/Kg)</b>	0.015514
<b>SAR 1g (W/Kg)</b>	0.040471

<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>0.0804</b>	<b>0.0439</b>	<b>0.0175</b>	<b>0.0033</b>	<b>0.0001</b>	<b>0.0001</b>	<b>0.0001</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 10

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 8 minutes 44 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>Tilt</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: 1:2</u>
<b><u>Conversion factor</u></b>	<u>4.63</u>

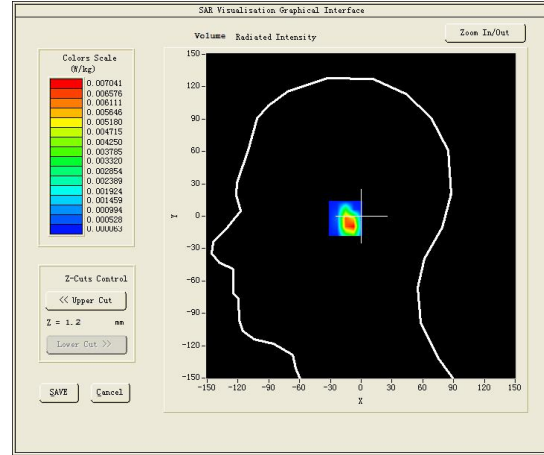
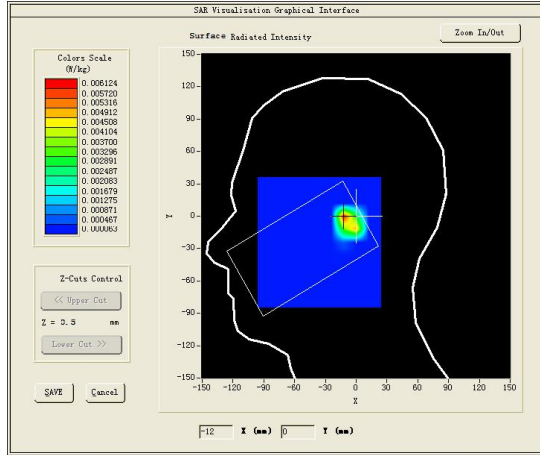
### **B. SAR Measurement Results**

Middle Band SAR (Channel 661):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	40.054401
<b>Relative permittivity (imaginary part)</b>	13.497900
<b>Conductivity (S/m)</b>	1.409781
<b>Variation (%)</b>	3.340000

### SURFACE SAR

### VOLUME SAR

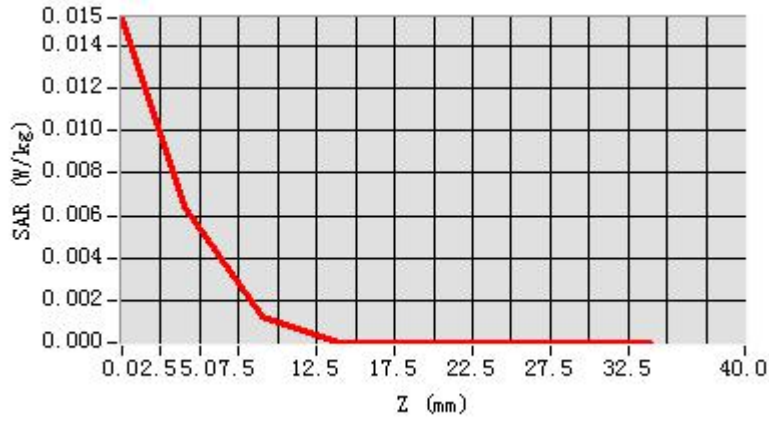


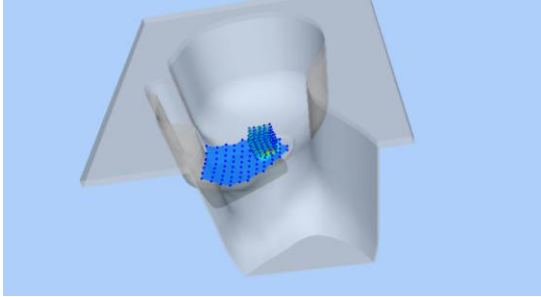
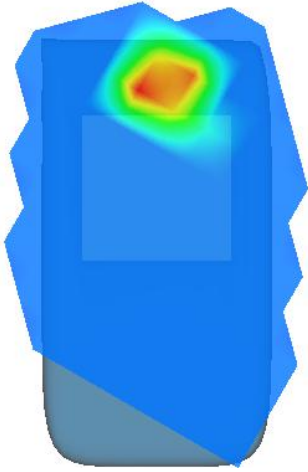
**Maximum location: X=-10.00, Y=-2.00**

**SAR Peak: 0.02 W/kg**

<b>SAR 10g (W/Kg)</b>	0.002114
<b>SAR 1g (W/Kg)</b>	0.008254

<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>0.0153</b>	<b>0.0064</b>	<b>0.0013</b>	<b>0.0001</b>	<b>0.0001</b>	<b>0.0001</b>	<b>0.0001</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 11

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 10 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>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: 1:2</u>
<b><u>Conversion factor</u></b>	<u>4.63</u>

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

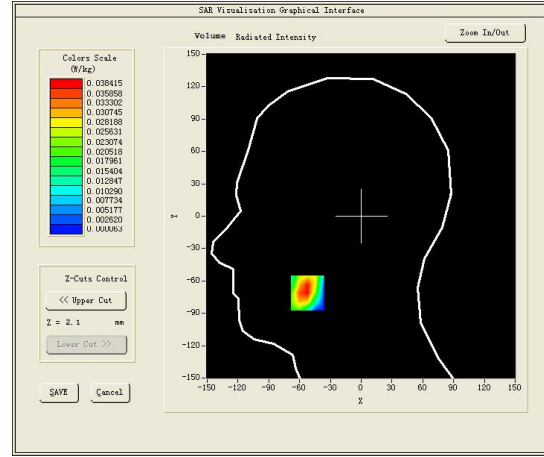
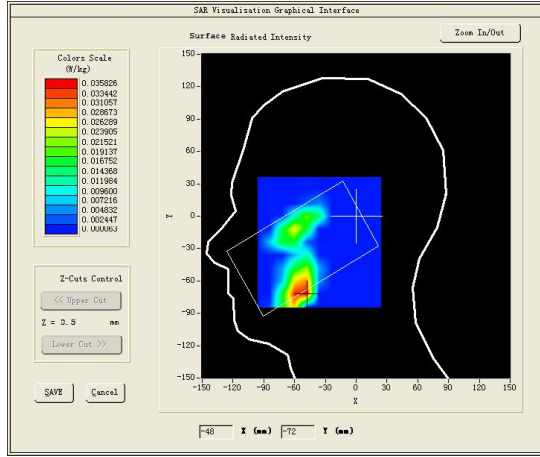
Middle Band SAR (Channel 661):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	40.054401
<b>Relative permittivity (imaginary part)</b>	13.497900
<b>Conductivity (S/m)</b>	1.409781
<b>Variation (%)</b>	0.000000



### SURFACE SAR

### VOLUME SAR

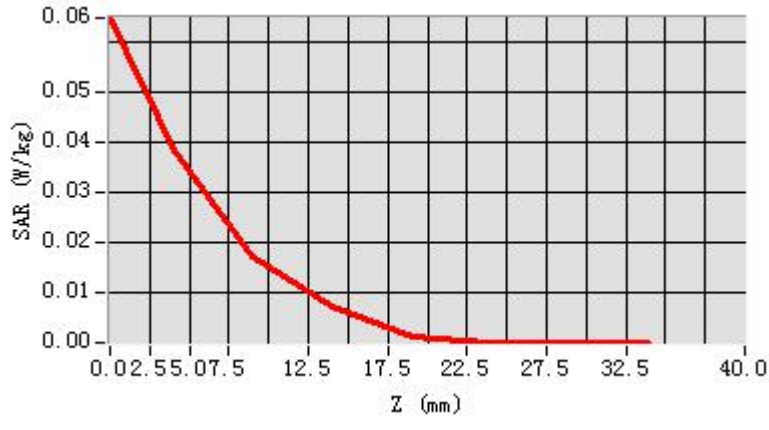


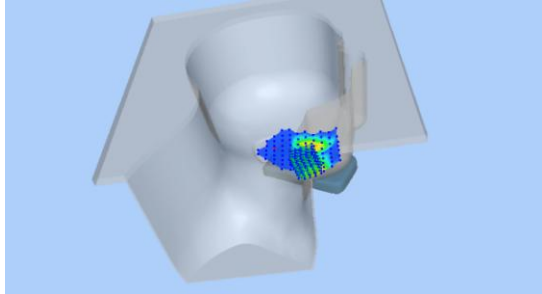
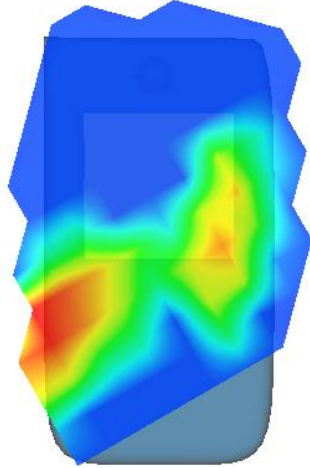
**Maximum location: X=-52.00, Y=-71.00**

**SAR Peak: 0.06 W/kg**

<b>SAR 10g (W/Kg)</b>	0.016219
<b>SAR 1g (W/Kg)</b>	0.036679

<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>0.0650</b>	<b>0.0384</b>	<b>0.0171</b>	<b>0.0072</b>	<b>0.0011</b>	<b>0.0001</b>	<b>0.0001</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 12

Type: Phone measurement (Complete)

Date of measurement: 25/8/2016

Measurement duration: 8 minutes 57 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>Left head</u>
<b><u>Device Position</u></b>	<u>Tilt</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: 1:2</u>
<b><u>Conversion factor</u></b>	<u>4.63</u>

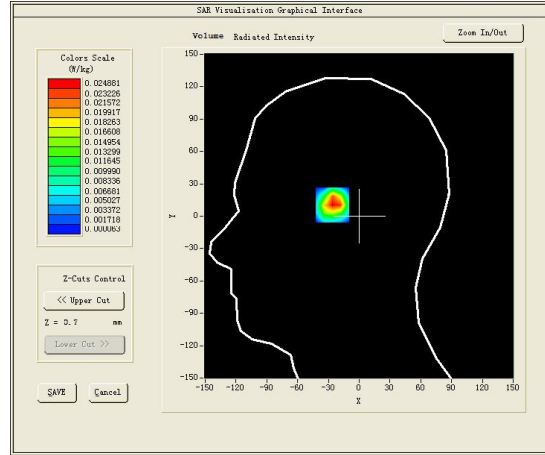
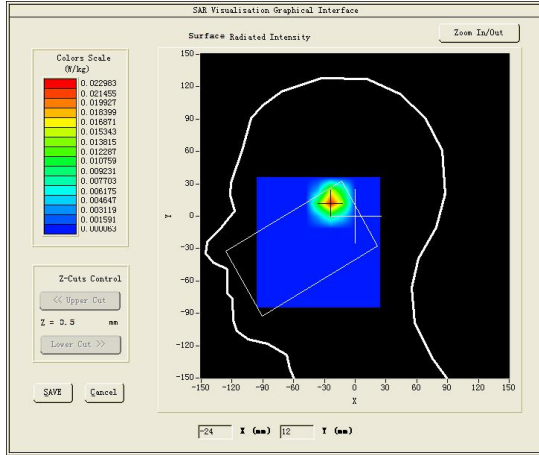
### **B. SAR Measurement Results**

Middle Band SAR (Channel 661):

<b>Frequency (MHz)</b>	1880.000000
<b>Relative permittivity (real part)</b>	40.054401
<b>Relative permittivity (imaginary part)</b>	13.497900
<b>Conductivity (S/m)</b>	1.409781
<b>Variation (%)</b>	0.000000

### SURFACE SAR

### VOLUME SAR

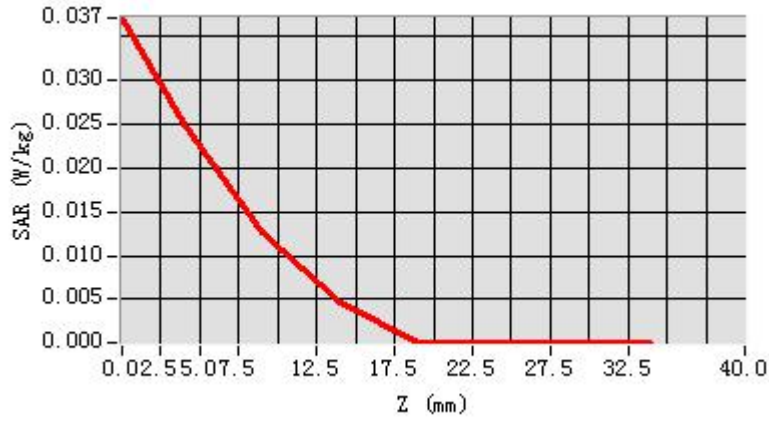


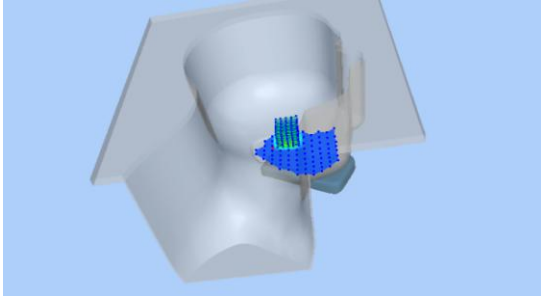
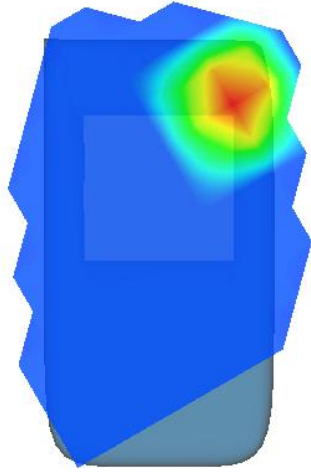
**Maximum location: X=-24.00, Y=13.00**

**SAR Peak: 0.04 W/kg**

<b>SAR 10g (W/Kg)</b>	0.008788
<b>SAR 1g (W/Kg)</b>	0.022973

<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>0.0371</b>	<b>0.0249</b>	<b>0.0127</b>	<b>0.0046</b>	<b>0.0001</b>	<b>0.0001</b>	<b>0.0001</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 13

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 9 minutes 45 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>Band5 WCDMA850</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>4.93</u>

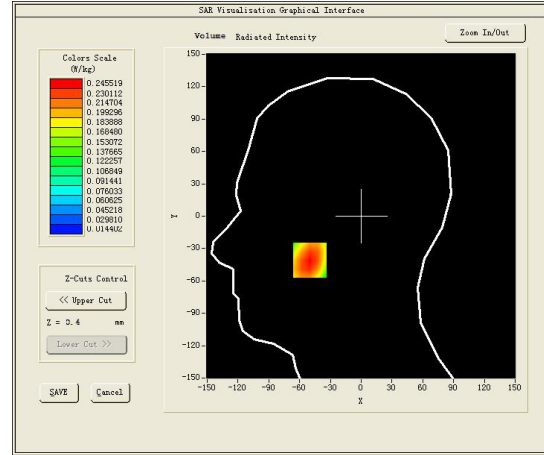
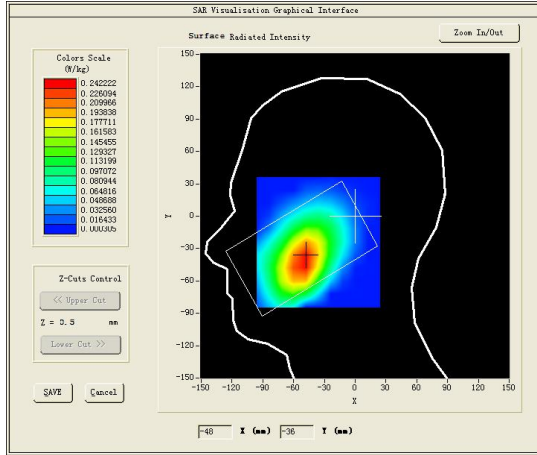
### **B. SAR Measurement Results**

Lower Band SAR (Channel 4132):

<b>Frequency (MHz)</b>	826.400024
<b>Relative permittivity (real part)</b>	40.731480
<b>Relative permittivity (imaginary part)</b>	19.941460
<b>Conductivity (S/m)</b>	0.915535
<b>Variation (%)</b>	2.010000

### SURFACE SAR

### VOLUME SAR

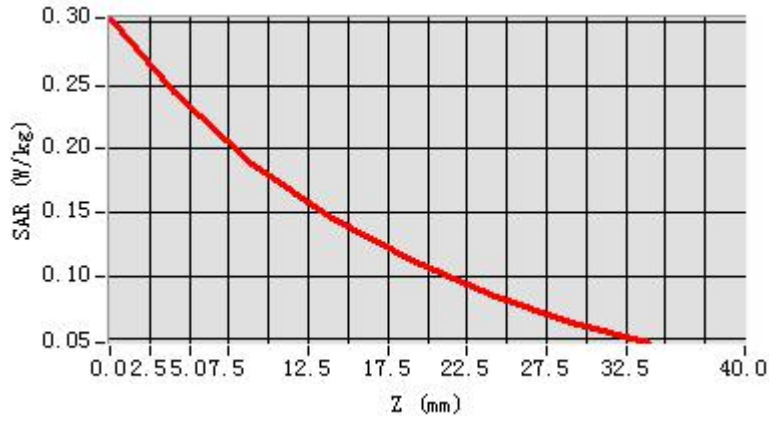


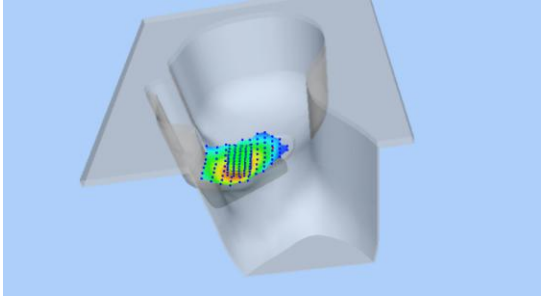
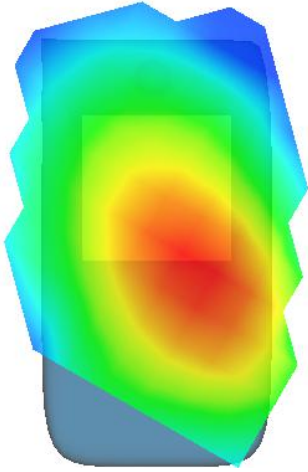
**Maximum location: X=-50.00, Y=-41.00**

**SAR Peak: 0.31 W/kg**

<b>SAR 10g (W/Kg)</b>	0.171135
<b>SAR 1g (W/Kg)</b>	0.241083

<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>0.3035</b>	<b>0.2455</b>	<b>0.1888</b>	<b>0.1462</b>	<b>0.1118</b>	<b>0.0851</b>	<b>0.0637</b>



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



## MEASUREMENT 14

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 9 minutes 45 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>Band5 WCDMA850</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>4.93</u>

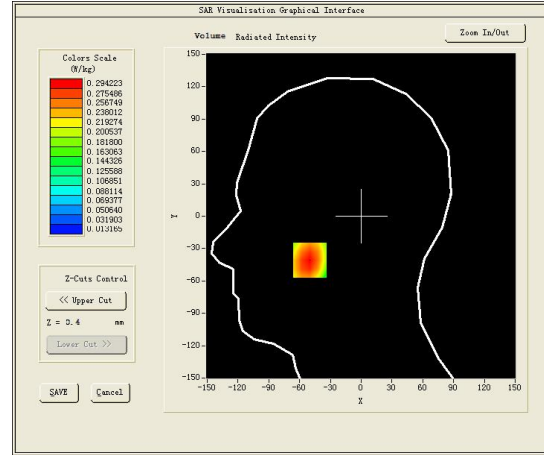
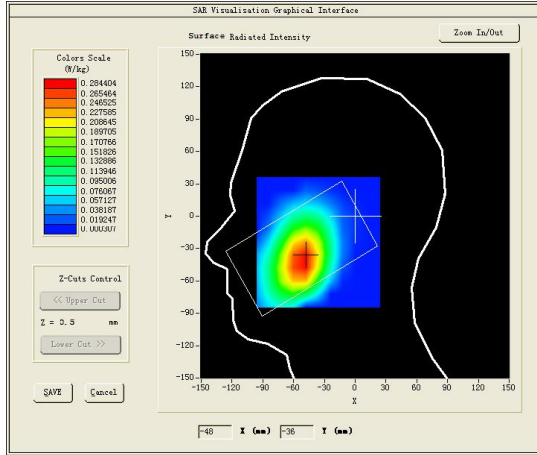
### **B. SAR Measurement Results**

Middle Band SAR (Channel 4182):

<b>Frequency (MHz)</b>	836.400024
<b>Relative permittivity (real part)</b>	40.538380
<b>Relative permittivity (imaginary part)</b>	19.960159
<b>Conductivity (S/m)</b>	0.927482
<b>Variation (%)</b>	-0.970000

### SURFACE SAR

### VOLUME SAR

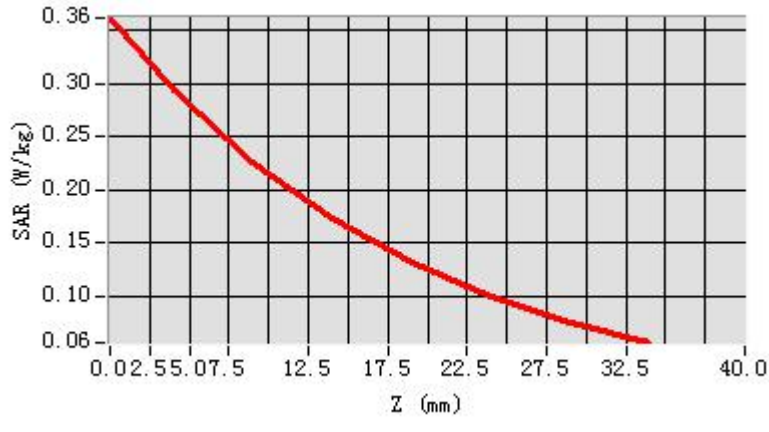


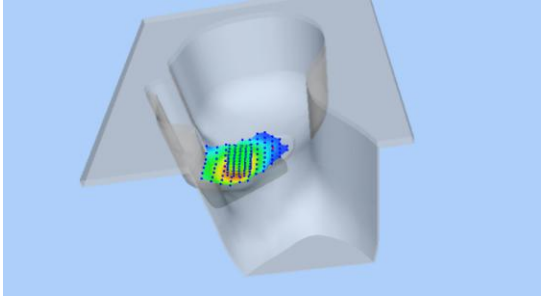
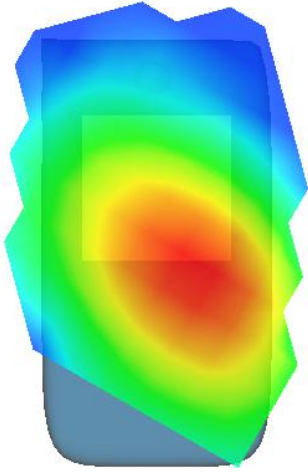
**Maximum location: X=-50.00, Y=-41.00**

**SAR Peak: 0.37 W/kg**

<b>SAR 10g (W/Kg)</b>	0.206880
<b>SAR 1g (W/Kg)</b>	0.291028

<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>0.3619</b>	<b>0.2942</b>	<b>0.2260</b>	<b>0.1734</b>	<b>0.1317</b>	<b>0.0995</b>	<b>0.0748</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 15

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 9 minutes 49 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>Band5 WCDMA850</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>4.93</u>

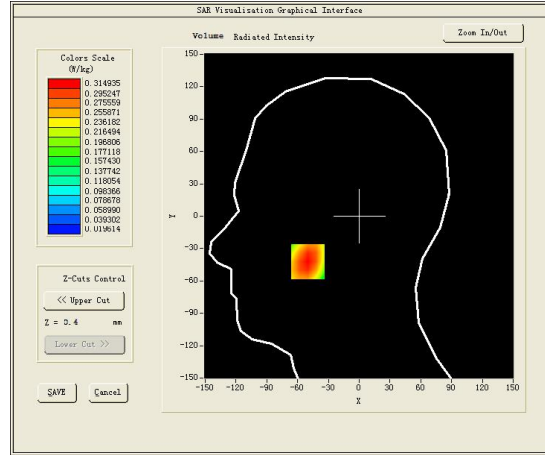
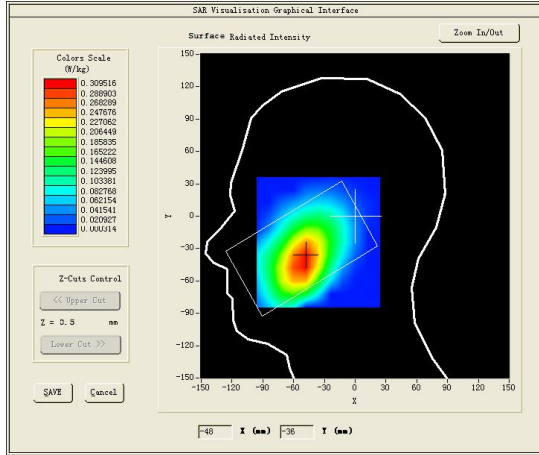
### **B. SAR Measurement Results**

Higher Band SAR (Channel 4233):

<b>Frequency (MHz)</b>	846.599976
<b>Relative permittivity (real part)</b>	40.353241
<b>Relative permittivity (imaginary part)</b>	20.023140
<b>Conductivity (S/m)</b>	0.941755
<b>Variation (%)</b>	2.500000

### SURFACE SAR

### VOLUME SAR

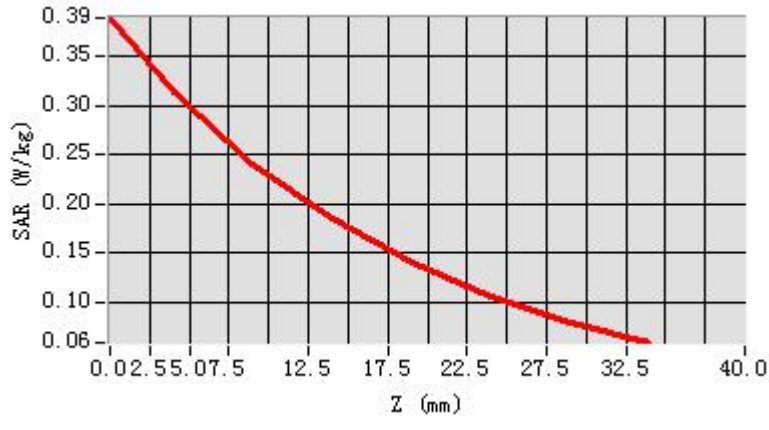


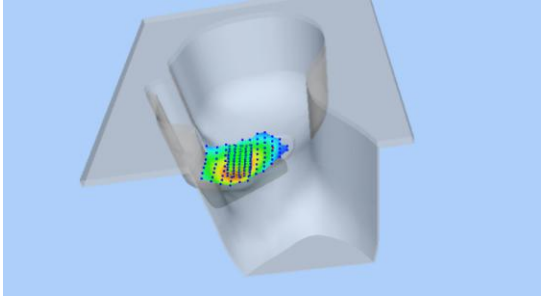
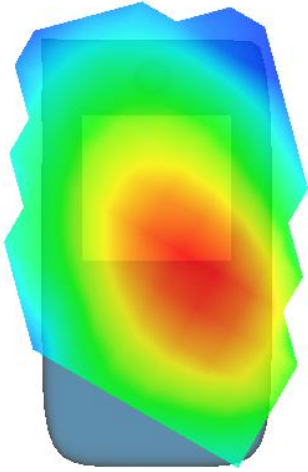
**Maximum location: X=-50.00, Y=-42.00**

**SAR Peak: 0.39 W/kg**

<b>SAR 10g (W/Kg)</b>	0.221081
<b>SAR 1g (W/Kg)</b>	0.312176

<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>0.3897</b>	<b>0.3149</b>	<b>0.2406</b>	<b>0.1856</b>	<b>0.1405</b>	<b>0.1063</b>	<b>0.0799</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 16

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 9 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>Right head</u>
<b><u>Device Position</u></b>	<u>Tilt</u>
<b><u>Band</u></b>	<u>Band5 WCDMA850</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>4.93</u>

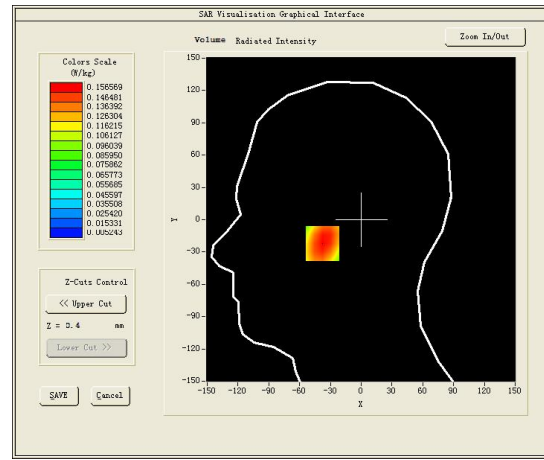
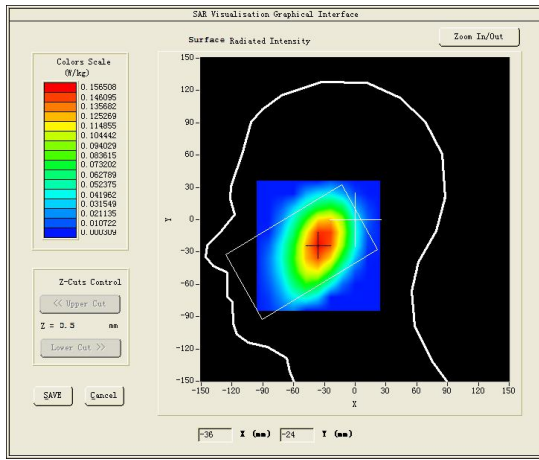
### **B. SAR Measurement Results**

Middle Band SAR (Channel 4182):

<b>Frequency (MHz)</b>	836.400024
<b>Relative permittivity (real part)</b>	40.538380
<b>Relative permittivity (imaginary part)</b>	19.960159
<b>Conductivity (S/m)</b>	0.927482
<b>Variation (%)</b>	3.200000

### SURFACE SAR

### VOLUME SAR



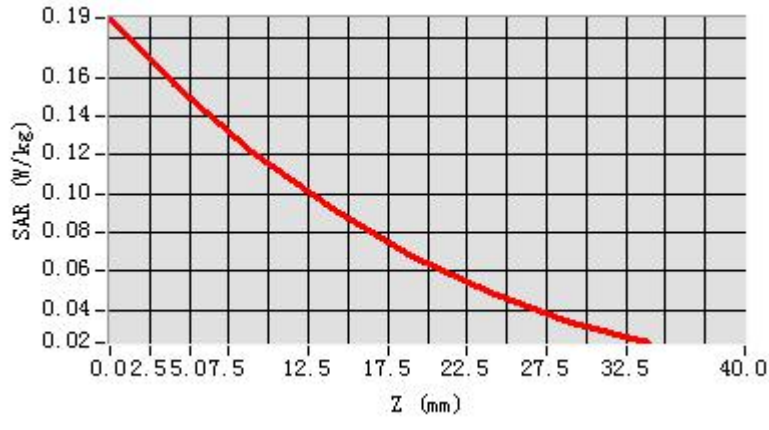
**Maximum location: X=-34.00, Y=-22.00**

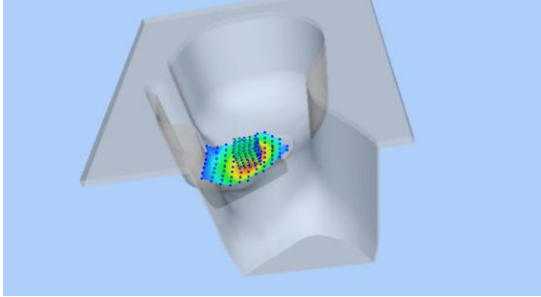
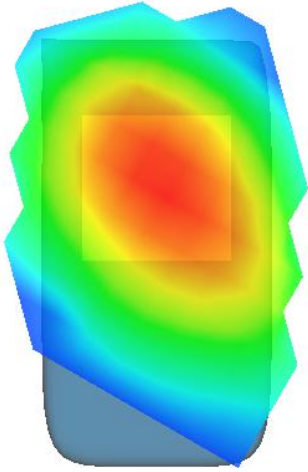
**SAR Peak: 0.19 W/kg**

<b>SAR 10g (W/Kg)</b>	0.109999
<b>SAR 1g (W/Kg)</b>	0.155339



<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>0.1906</b>	<b>0.1566</b>	<b>0.1210</b>	<b>0.0925</b>	<b>0.0679</b>	<b>0.0487</b>	<b>0.0334</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 17

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 9 minutes 49 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>Left 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>WCDMA (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.93</u>

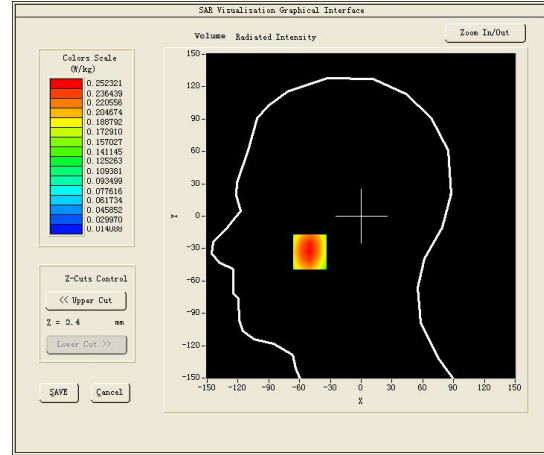
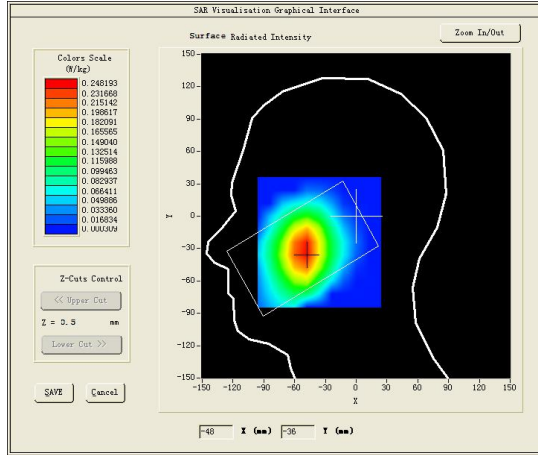
### **B. SAR Measurement Results**

Middle Band SAR (Channel 4182):

<b>Frequency (MHz)</b>	836.400024
<b>Relative permittivity (real part)</b>	40.538380
<b>Relative permittivity (imaginary part)</b>	19.960159
<b>Conductivity (S/m)</b>	0.927482
<b>Variation (%)</b>	-0.620000

### SURFACE SAR

### VOLUME SAR

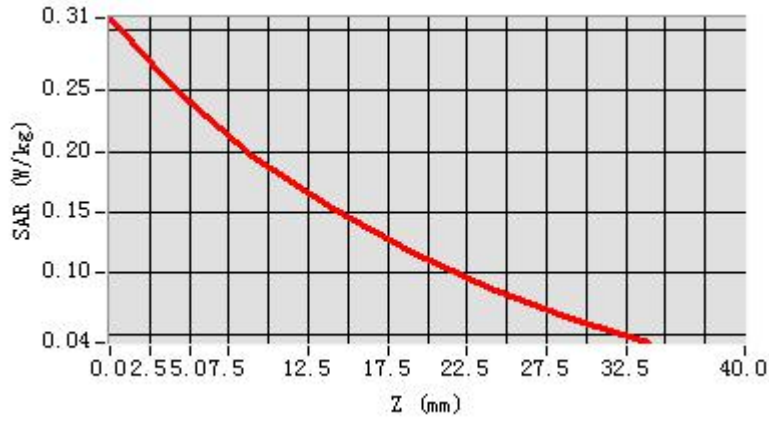


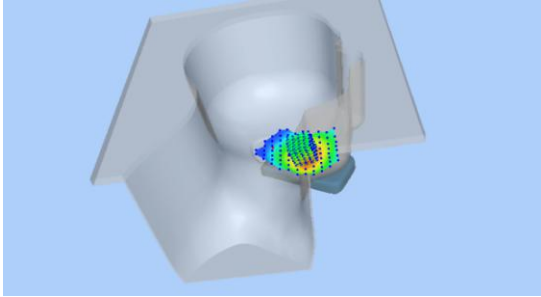
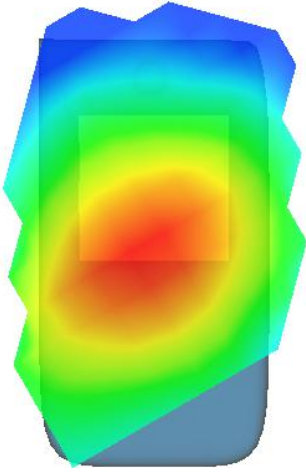
**Maximum location: X=-50.00, Y=-33.00**

**SAR Peak: 0.31 W/kg**

<b>SAR 10g (W/Kg)</b>	0.178341
<b>SAR 1g (W/Kg)</b>	0.249545

<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>0.3095</b>	<b>0.2523</b>	<b>0.1957</b>	<b>0.1530</b>	<b>0.1170</b>	<b>0.0873</b>	<b>0.0633</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 18

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 10 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>Left head</u>
<b><u>Device Position</u></b>	<u>Tilt</u>
<b><u>Band</u></b>	<u>Band5 WCDMA850</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>4.93</u>

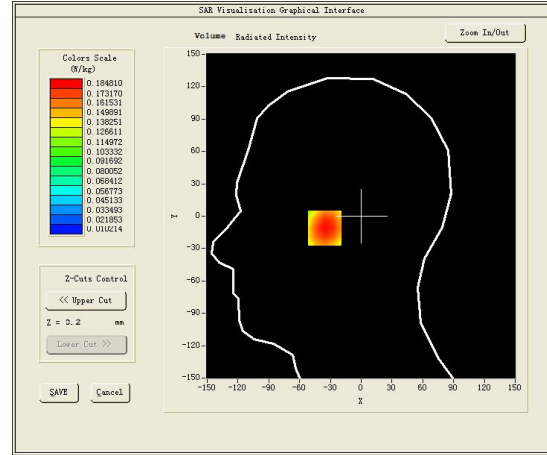
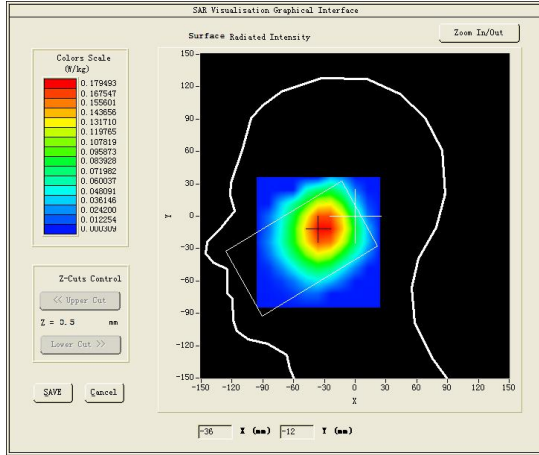
### **B. SAR Measurement Results**

Middle Band SAR (Channel 4182):

<b>Frequency (MHz)</b>	836.400024
<b>Relative permittivity (real part)</b>	40.538380
<b>Relative permittivity (imaginary part)</b>	19.960159
<b>Conductivity (S/m)</b>	0.927482
<b>Variation (%)</b>	1.020000

### SURFACE SAR

### VOLUME SAR

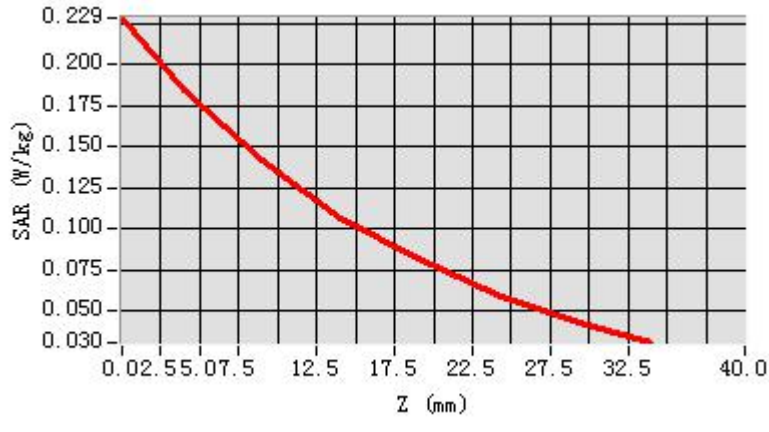


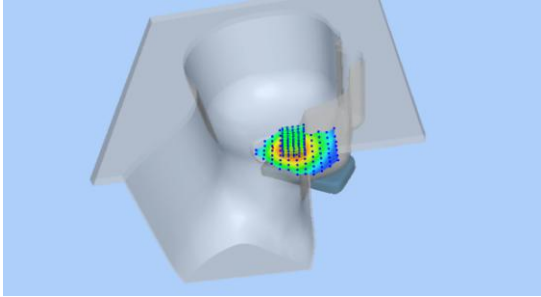
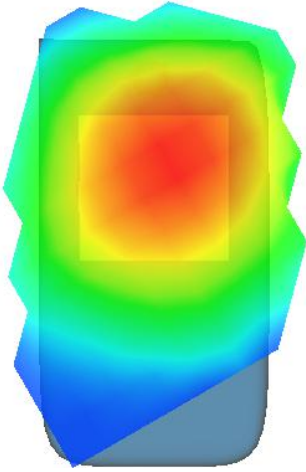
**Maximum location: X=-32.00, Y=-11.00**

**SAR Peak: 0.23 W/kg**

<b>SAR 10g (W/Kg)</b>	0.130485
<b>SAR 1g (W/Kg)</b>	0.182978

<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>0.2287</b>	<b>0.1848</b>	<b>0.1416</b>	<b>0.1069</b>	<b>0.0815</b>	<b>0.0604</b>	<b>0.0437</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 19

Towards-ground-low

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

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>Band5 WCDMA850</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>5.07</u>

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

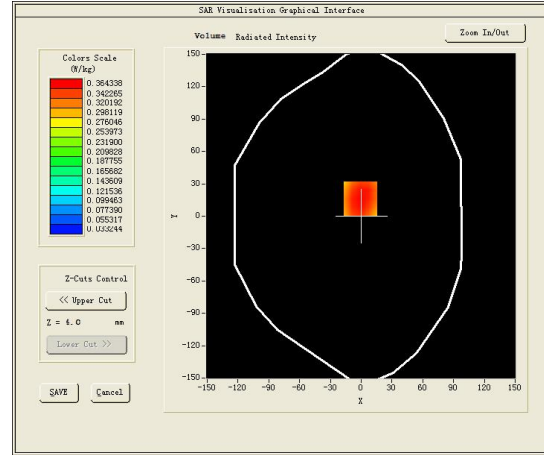
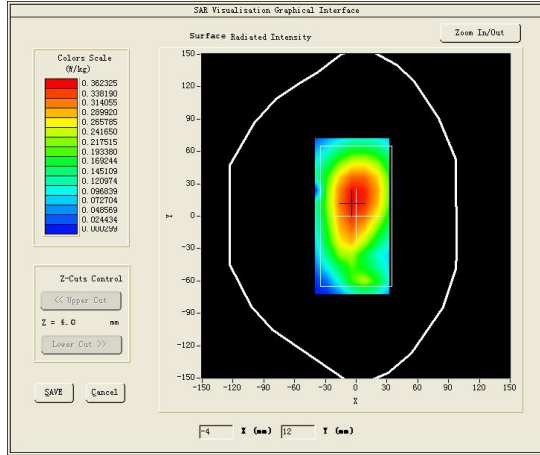
Lower Band SAR (Channel 4132):

<b>Frequency (MHz)</b>	826.400024
<b>Relative permittivity (real part)</b>	53.664639
<b>Relative permittivity (imaginary part)</b>	21.685261
<b>Conductivity (S/m)</b>	0.995594
<b>Variation (%)</b>	-1.540000



### SURFACE SAR

### VOLUME SAR

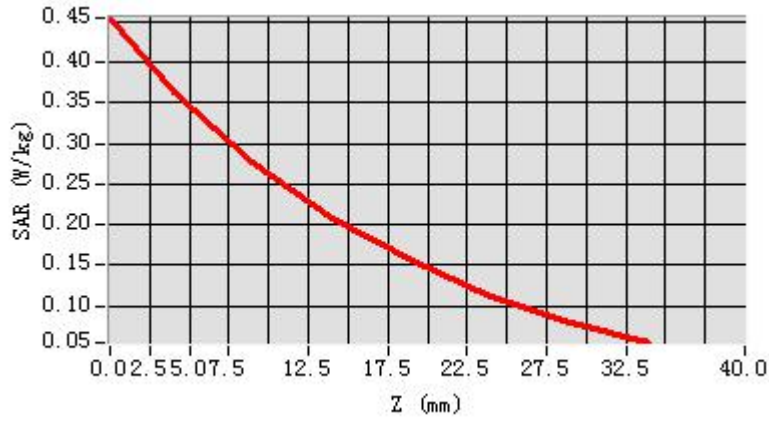


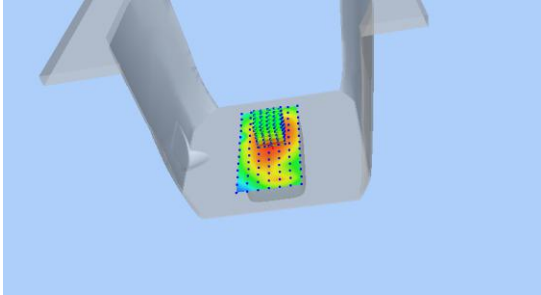
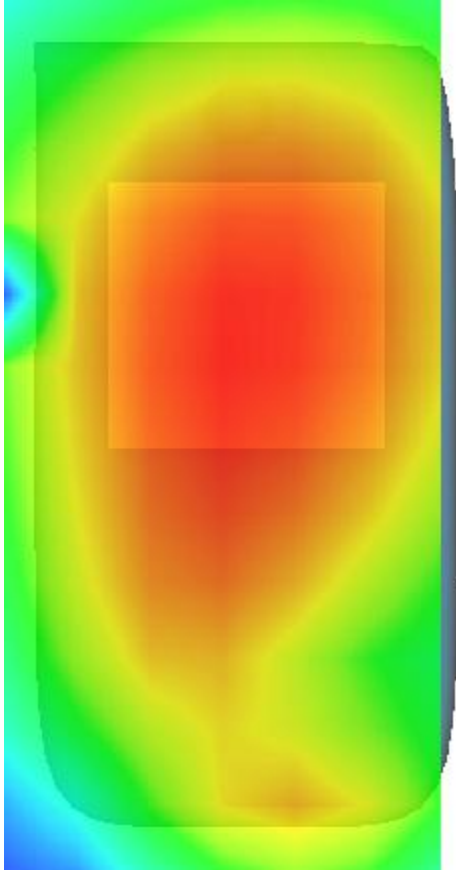
**Maximum location: X=-1.00, Y=16.00**

**SAR Peak: 0.50 W/kg**

<b>SAR 10g (W/Kg)</b>	0.283958
<b>SAR 1g (W/Kg)</b>	0.394388

<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>0.4550</b>	<b>0.3643</b>	<b>0.2758</b>	<b>0.2076</b>	<b>0.1553</b>	<b>0.1121</b>	<b>0.0796</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 20

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 10 minutes 47 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>Band5 WCDMA850</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>5.07</u>

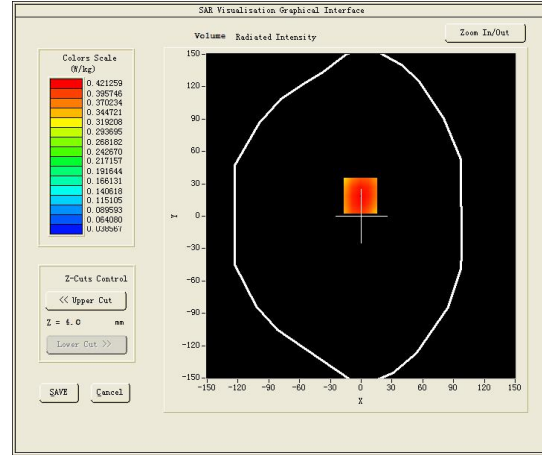
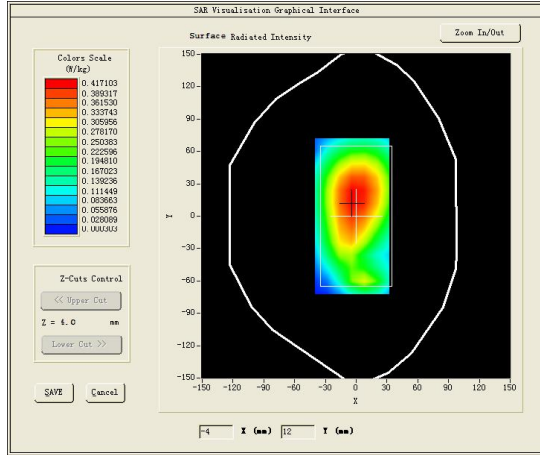
### **B. SAR Measurement Results**

Middle Band SAR (Channel 4182):

<b>Frequency (MHz)</b>	836.400024
<b>Relative permittivity (real part)</b>	53.394279
<b>Relative permittivity (imaginary part)</b>	21.684340
<b>Conductivity (S/m)</b>	1.007599
<b>Variation (%)</b>	1.090000

### SURFACE SAR

### VOLUME SAR

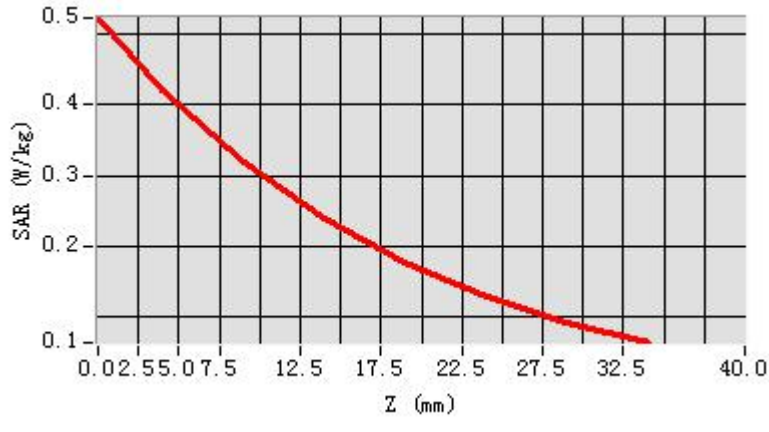


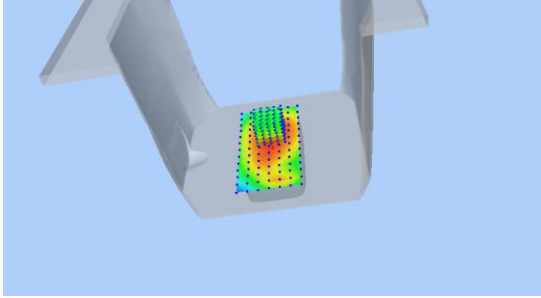
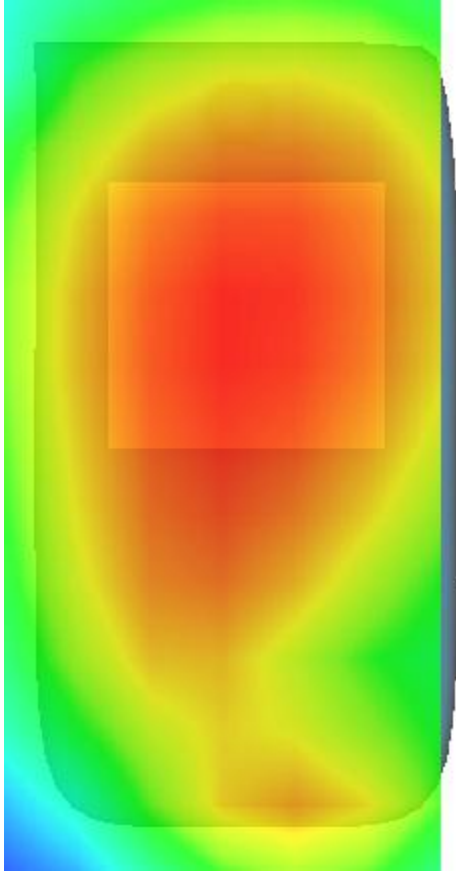
**Maximum location: X=-1.00, Y=19.00**

**SAR Peak: 0.57 W/kg**

<b>SAR 10g (W/Kg)</b>	0.329949
<b>SAR 1g (W/Kg)</b>	0.458152

<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>0.5229</b>	<b>0.4213</b>	<b>0.3188</b>	<b>0.2392</b>	<b>0.1769</b>	<b>0.1291</b>	<b>0.0920</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 21

Towards-phantom-middle

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 12 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>Band5 WCDMA850</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>5.07</u>

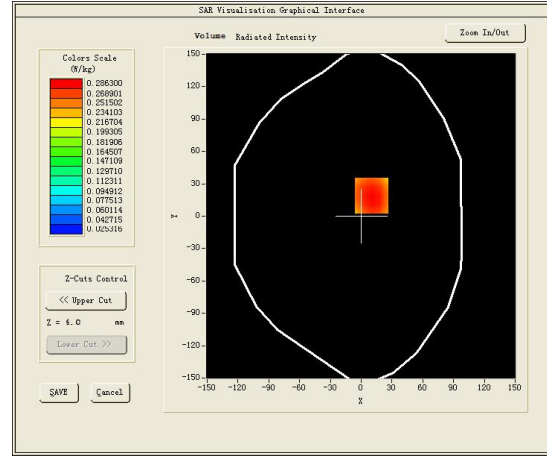
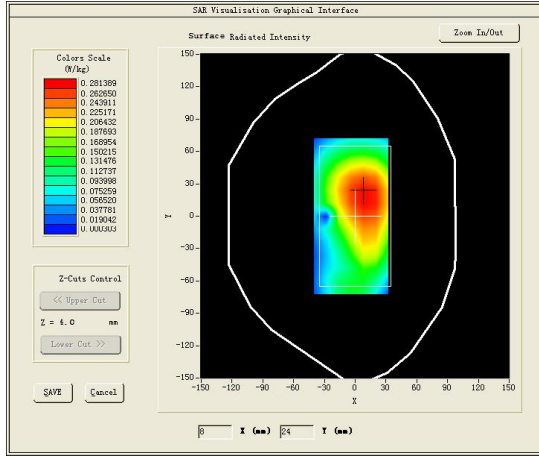
### **B. SAR Measurement Results**

Middle Band SAR (Channel 4182):

<b>Frequency (MHz)</b>	836.400024
<b>Relative permittivity (real part)</b>	53.394279
<b>Relative permittivity (imaginary part)</b>	21.684340
<b>Conductivity (S/m)</b>	1.007599
<b>Variation (%)</b>	1.430000

### SURFACE SAR

### VOLUME SAR

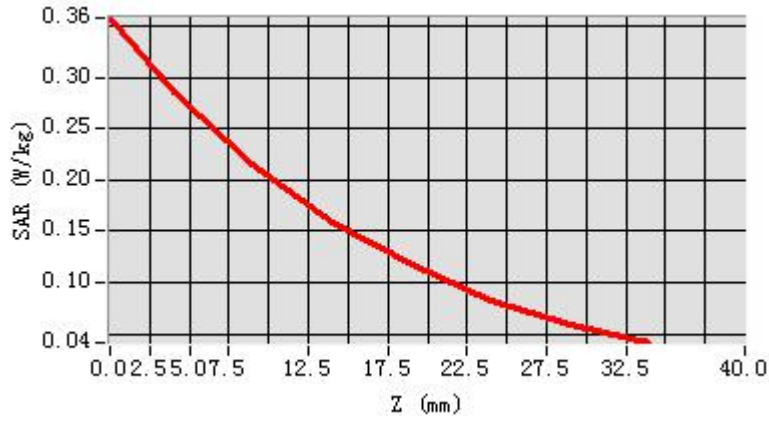


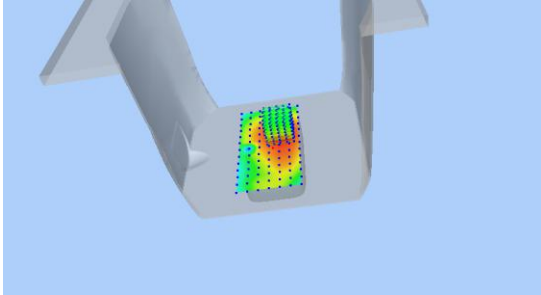
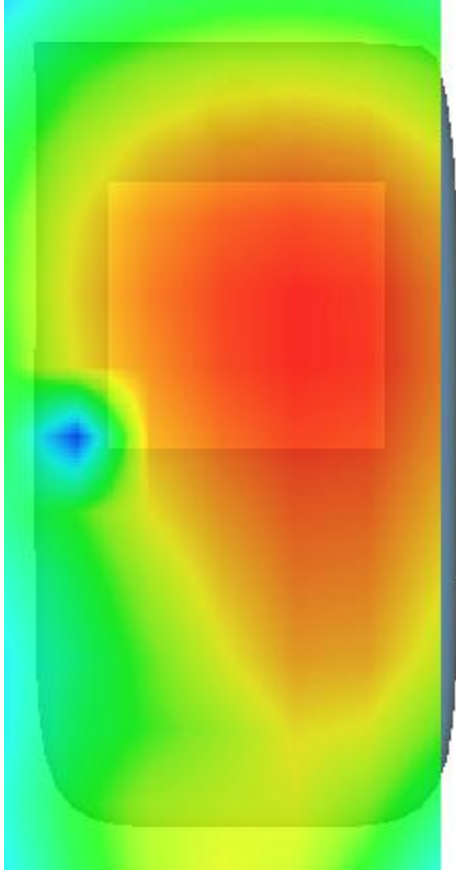
**Maximum location: X=10.00, Y=19.00**

**SAR Peak: 0.40 W/kg**

<b>SAR 10g (W/Kg)</b>	0.222493
<b>SAR 1g (W/Kg)</b>	0.312291

<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>0.3577</b>	<b>0.2863</b>	<b>0.2151</b>	<b>0.1593</b>	<b>0.1170</b>	<b>0.0831</b>	<b>0.0589</b>



3D screen shot	Hot spot position
	



## MEASUREMENT 22

Towards-ground-high

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

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>Band5 WCDMA850</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>5.07</u>

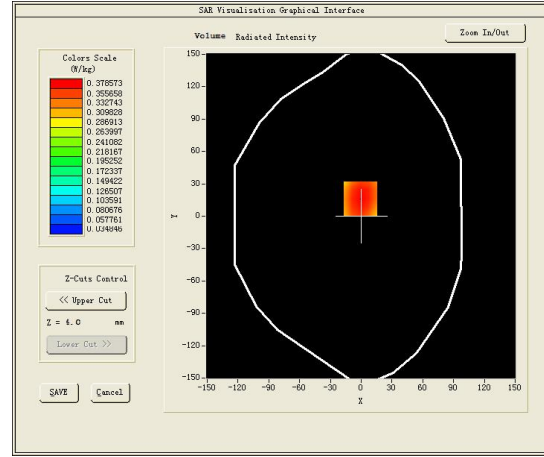
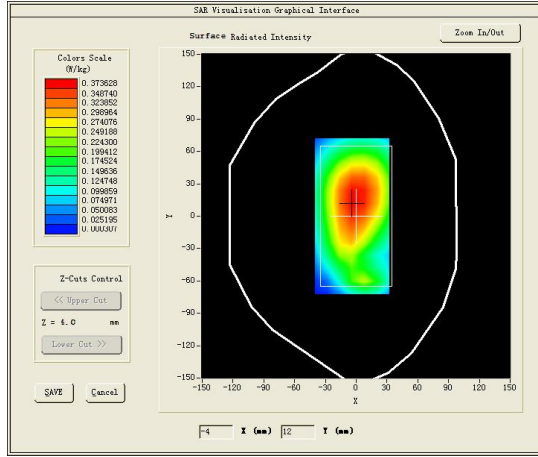
### **B. SAR Measurement Results**

Higher Band SAR (Channel 4233):

<b>Frequency (MHz)</b>	846.599976
<b>Relative permittivity (real part)</b>	53.252720
<b>Relative permittivity (imaginary part)</b>	21.681881
<b>Conductivity (S/m)</b>	1.019771
<b>Variation (%)</b>	0.610000

### SURFACE SAR

### VOLUME SAR

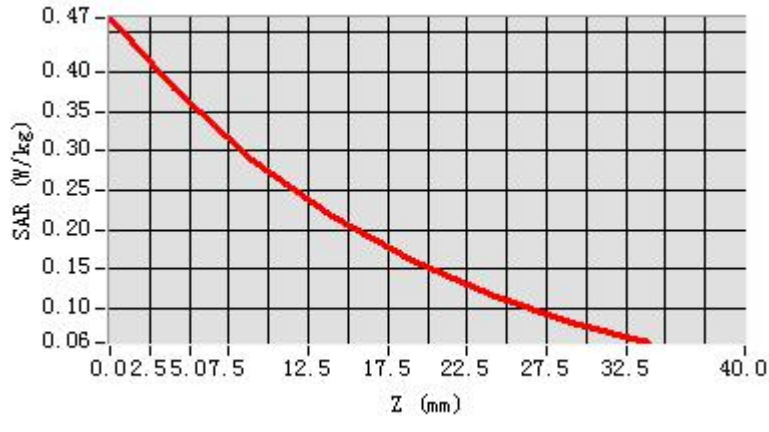


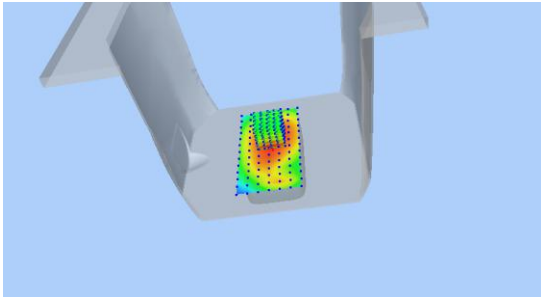
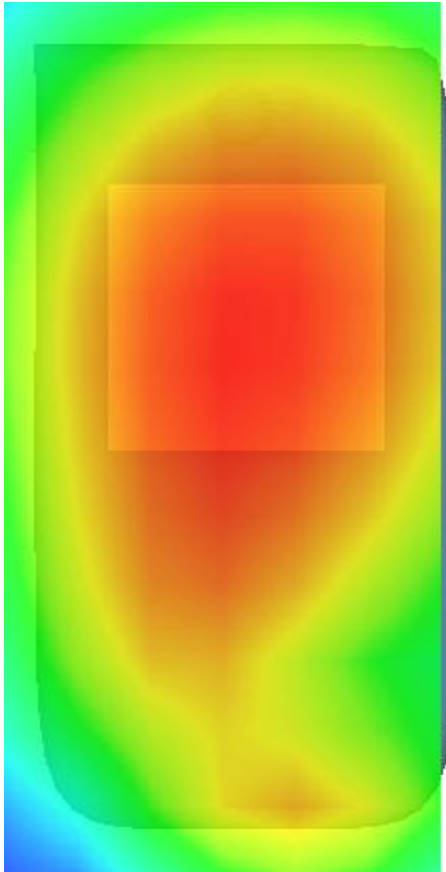
**Maximum location: X=-1.00, Y=16.00**

**SAR Peak: 0.51 W/kg**

<b>SAR 10g (W/Kg)</b>	0.295944
<b>SAR 1g (W/Kg)</b>	0.410178

<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>0.4682</b>	<b>0.3786</b>	<b>0.2876</b>	<b>0.2163</b>	<b>0.1602</b>	<b>0.1165</b>	<b>0.0828</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 23

Type: Phone measurement (Complete)

Date of measurement: 22/8/2016

Measurement duration: 8 minutes 44 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>Low</u>
<b><u>Signal</u></b>	<u>IEEE802.b (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.00</u>

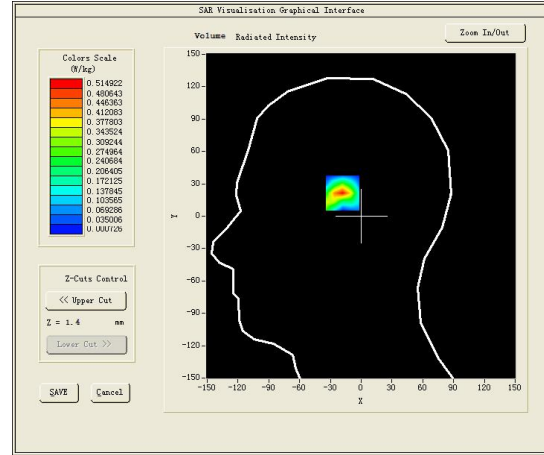
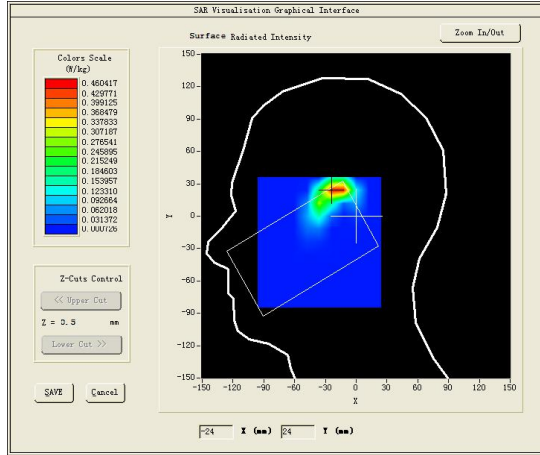
### **B. SAR Measurement Results**

Lower Band SAR (Channel 1):

<b>Frequency (MHz)</b>	2412.000000
<b>Relative permittivity (real part)</b>	39.499901
<b>Relative permittivity (imaginary part)</b>	13.038900
<b>Conductivity (S/m)</b>	1.747213
<b>Variation (%)</b>	-3.740000

### SURFACE SAR

### VOLUME SAR

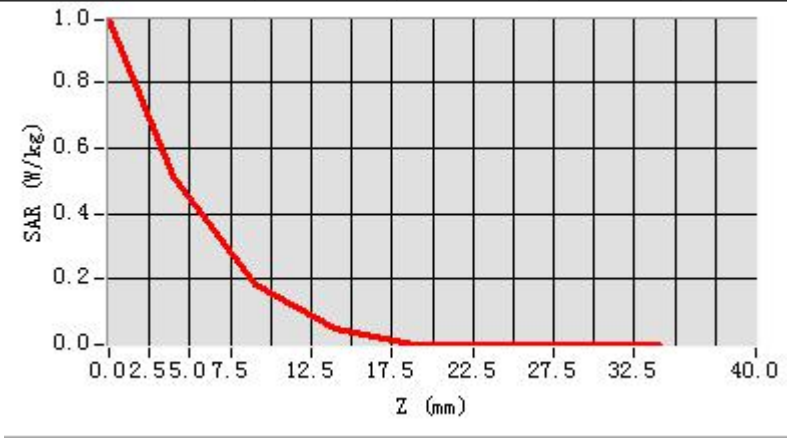


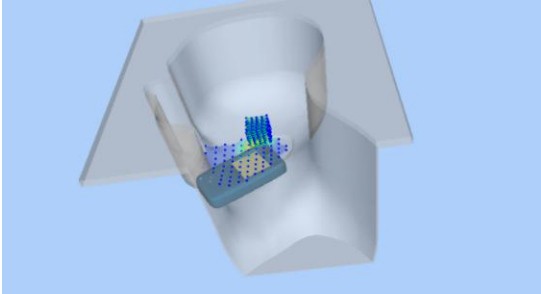
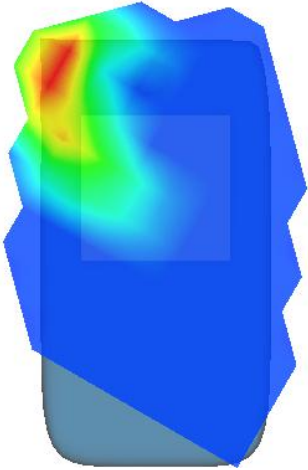
**Maximum location: X=-17.00, Y=25.00**

**SAR Peak: 0.98 W/kg**

<b>SAR 10g (W/Kg)</b>	0.163645
<b>SAR 1g (W/Kg)</b>	0.459044

<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>0.9898</b>	<b>0.5149</b>	<b>0.1847</b>	<b>0.0491</b>	<b>0.0016</b>	<b>0.0007</b>	<b>0.0007</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 24

Type: Phone measurement (Complete)

Date of measurement: 22/8/2016

Measurement duration: 8 minutes 41 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>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>IEEE802.b (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.00</u>

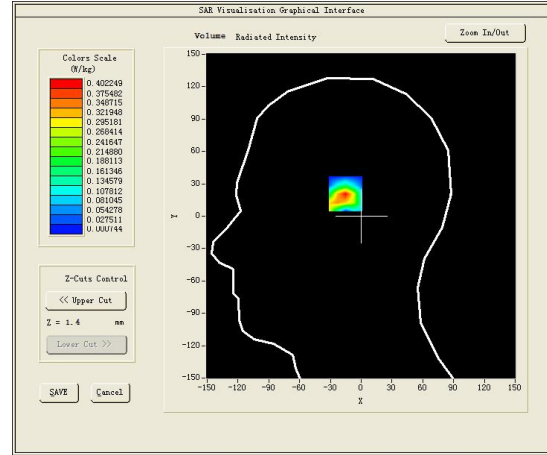
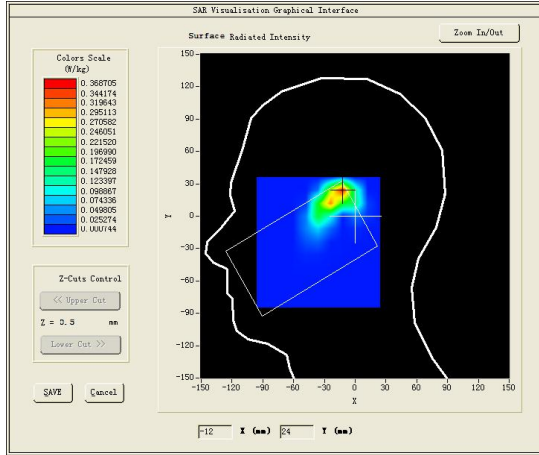
### **B. SAR Measurement Results**

Middle Band SAR (Channel 6):

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	39.279701
<b>Relative permittivity (imaginary part)</b>	13.189900
<b>Conductivity (S/m)</b>	1.789430
<b>Variation (%)</b>	1.790000

### SURFACE SAR

### VOLUME SAR



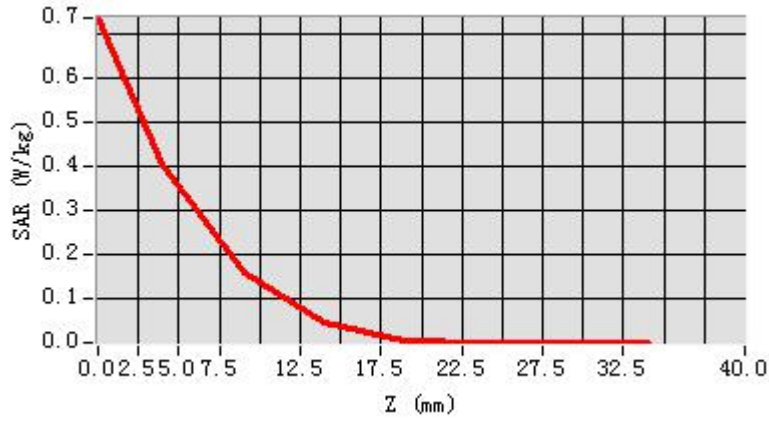
**Maximum location: X=-13.00, Y=23.00**

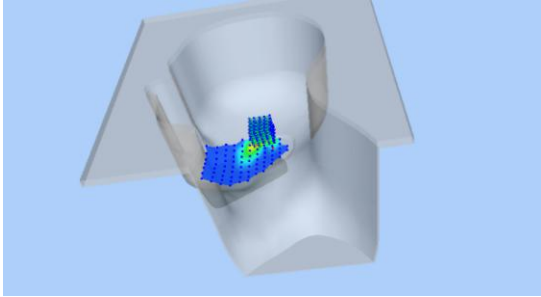
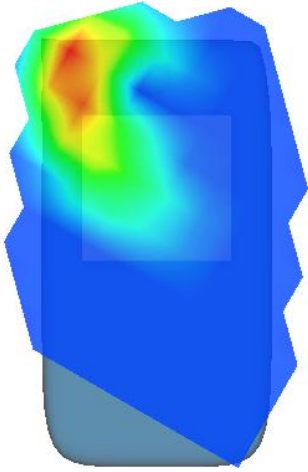
**SAR Peak: 0.79 W/kg**

<b>SAR 10g (W/Kg)</b>	0.138360
<b>SAR 1g (W/Kg)</b>	0.380166



<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>0.7345</b>	<b>0.4022</b>	<b>0.1593</b>	<b>0.0457</b>	<b>0.0033</b>	<b>0.0007</b>	<b>0.0007</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 25

Type: Phone measurement (Complete)

Date of measurement: 22/8/2016

Measurement duration: 9 minutes 3 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>High</u>
<b><u>Signal</u></b>	<u>IEEE802.b (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.00</u>

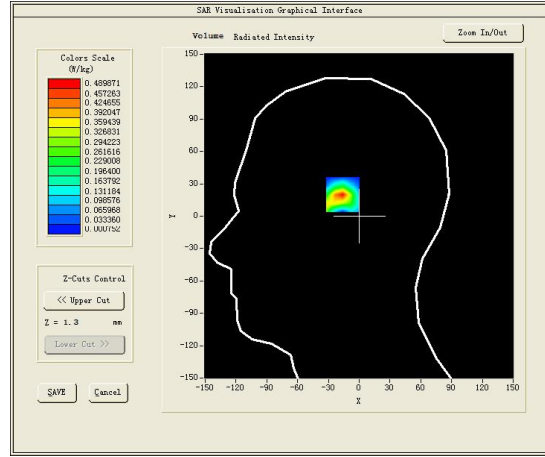
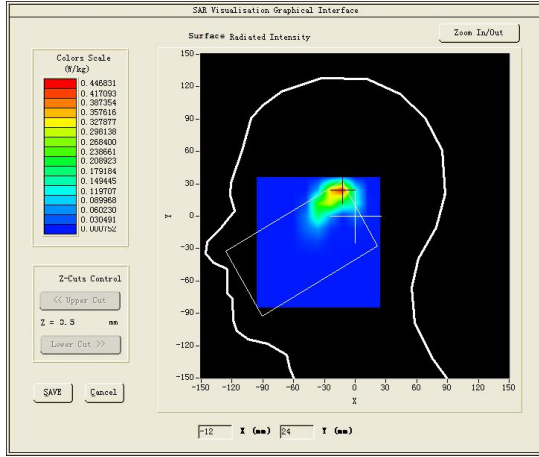
### **B. SAR Measurement Results**

Higher Band SAR (Channel 11):

<b>Frequency (MHz)</b>	2462.000000
<b>Relative permittivity (real part)</b>	39.265701
<b>Relative permittivity (imaginary part)</b>	13.183100
<b>Conductivity (S/m)</b>	1.810479
<b>Variation (%)</b>	2.230000

### SURFACE SAR

### VOLUME SAR

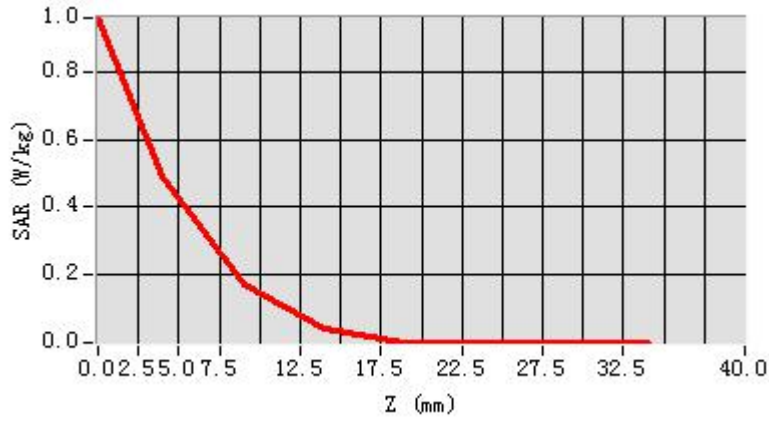


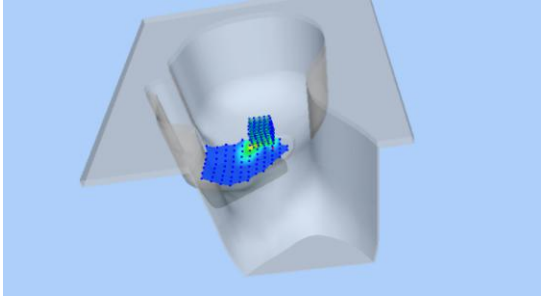
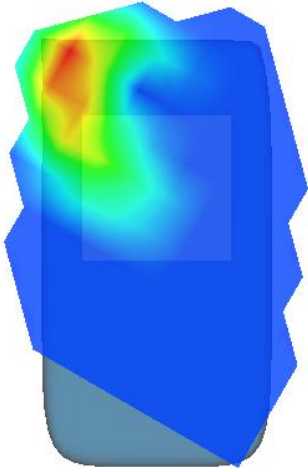
**Maximum location: X=-14.00, Y=23.00**

**SAR Peak: 0.99 W/kg**

<b>SAR 10g (W/Kg)</b>	0.158877
<b>SAR 1g (W/Kg)</b>	0.452429

<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>0.9579</b>	<b>0.4899</b>	<b>0.1705</b>	<b>0.0436</b>	<b>0.0025</b>	<b>0.0008</b>	<b>0.0008</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 26

Type: Phone measurement (Complete)

Date of measurement: 22/8/2016

Measurement duration: 8 minutes 37 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>Tilt</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>4.00</u>

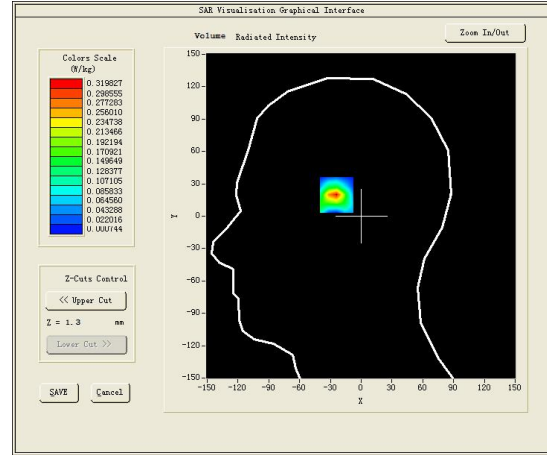
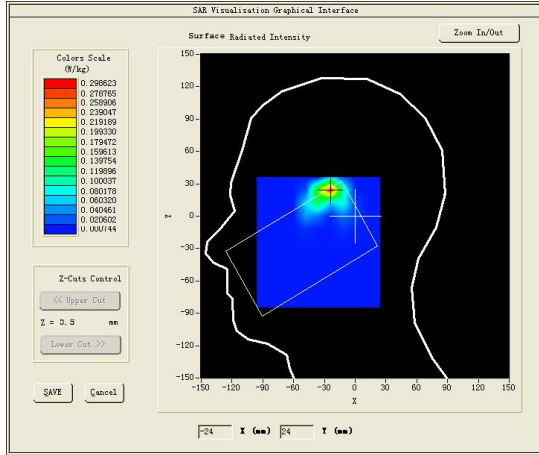
### **B. SAR Measurement Results**

Middle Band SAR (Channel 6):

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	39.279701
<b>Relative permittivity (imaginary part)</b>	13.189900
<b>Conductivity (S/m)</b>	1.789430
<b>Variation (%)</b>	0.120000

### SURFACE SAR

### VOLUME SAR

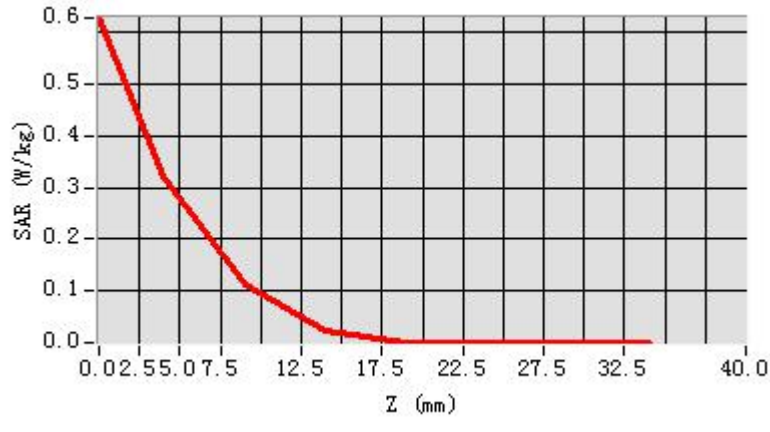


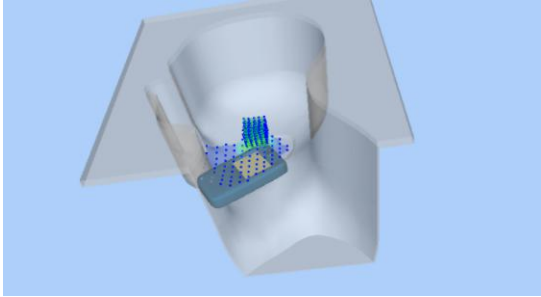
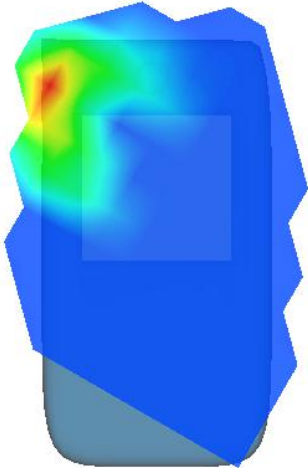
**Maximum location: X=-24.00, Y=24.00**

**SAR Peak: 0.63 W/kg**

<b>SAR 10g (W/Kg)</b>	0.097360
<b>SAR 1g (W/Kg)</b>	0.287561

<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>0.6266</b>	<b>0.3198</b>	<b>0.1114</b>	<b>0.0250</b>	<b>0.0011</b>	<b>0.0007</b>	<b>0.0007</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 27

Type: Phone measurement (Complete)

Date of measurement: 22/8/2016

Measurement duration: 8 minutes 54 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>Left 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>IEEE802.b (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.00</u>

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

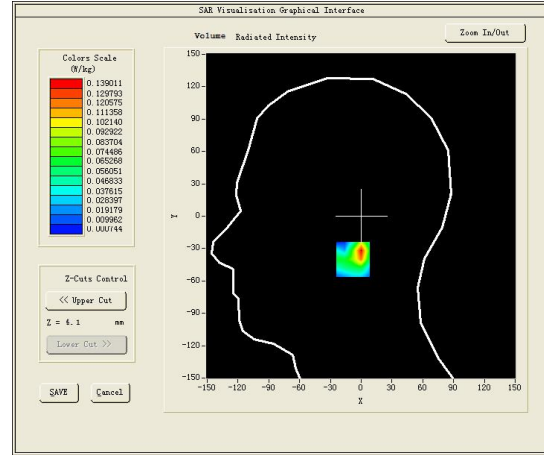
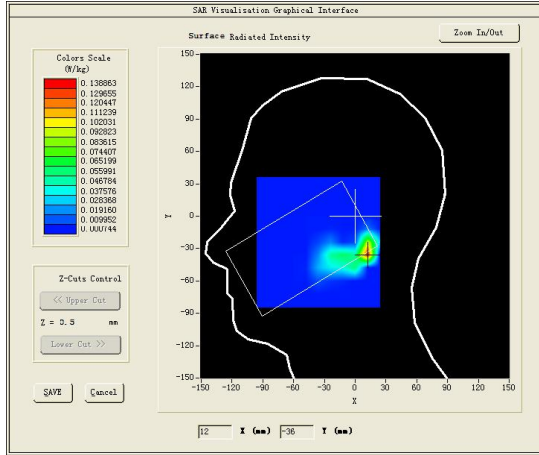
Middle Band SAR (Channel 6):

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	39.279701
<b>Relative permittivity (imaginary part)</b>	13.189900
<b>Conductivity (S/m)</b>	1.789430
<b>Variation (%)</b>	0.000000



### SURFACE SAR

### VOLUME SAR

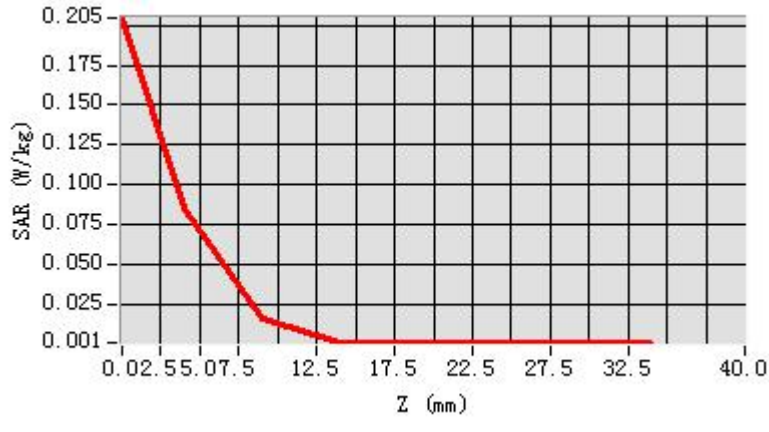


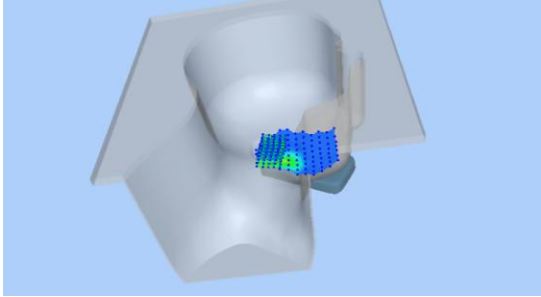
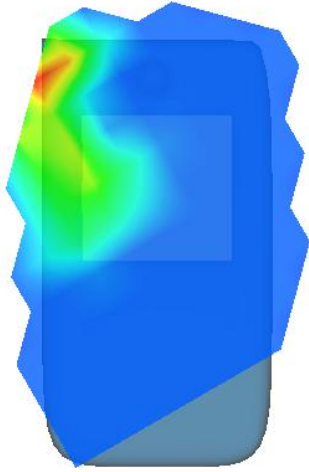
**Maximum location: X=5.00, Y=-40.00**

**SAR Peak: 0.33 W/kg**

<b>SAR 10g (W/Kg)</b>	0.041852
<b>SAR 1g (W/Kg)</b>	0.131563

<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>0.2048</b>	<b>0.0849</b>	<b>0.0158</b>	<b>0.0007</b>	<b>0.0007</b>	<b>0.0007</b>	<b>0.0007</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 28

Type: Phone measurement (Complete)

Date of measurement: 22/8/2016

Measurement duration: 9 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</u> <u>dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Left head</u>
<b><u>Device Position</u></b>	<u>Tilt</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>4.00</u>

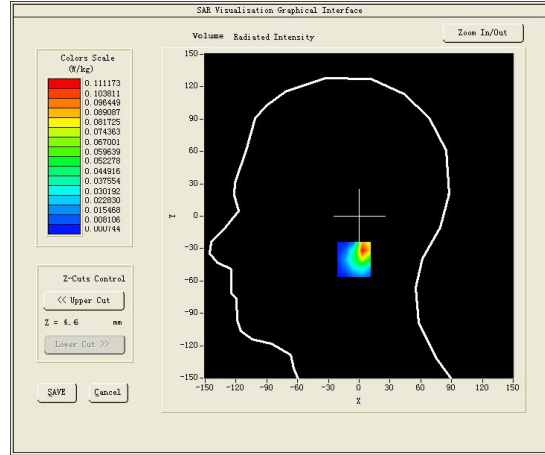
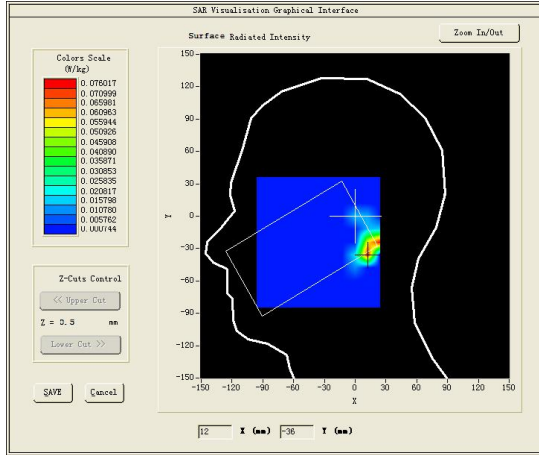
### **B. SAR Measurement Results**

Middle Band SAR (Channel 6):

<b>Frequency (MHz)</b>	2437.000000
<b>Relative permittivity (real part)</b>	39.279701
<b>Relative permittivity (imaginary part)</b>	13.189900
<b>Conductivity (S/m)</b>	1.789430
<b>Variation (%)</b>	2.900000

### SURFACE SAR

### VOLUME SAR

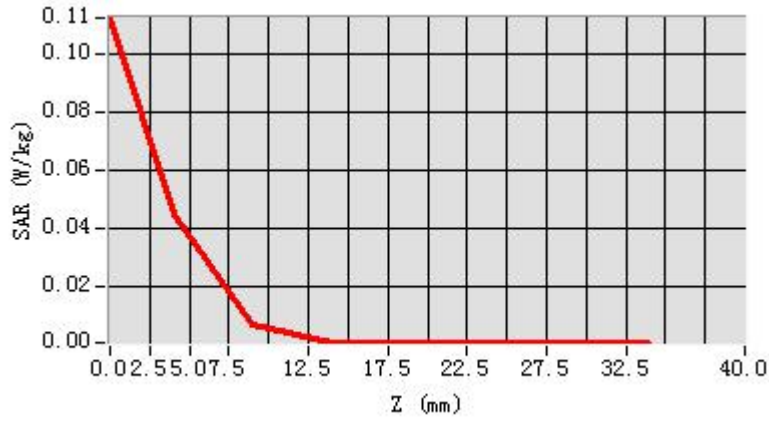


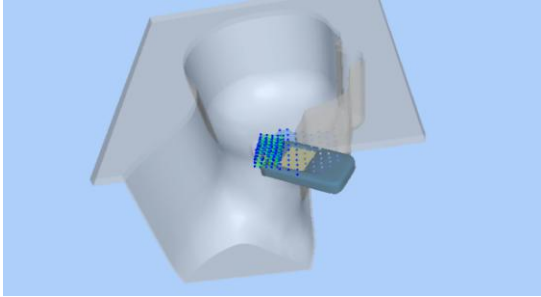
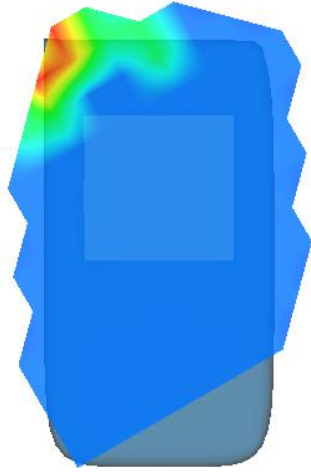
**Maximum location: X=8.00, Y=-40.00**

**SAR Peak: 0.27 W/kg**

<b>SAR 10g (W/Kg)</b>	0.032740
<b>SAR 1g (W/Kg)</b>	0.105960

<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>0.1122</b>	<b>0.0451</b>	<b>0.0071</b>	<b>0.0007</b>	<b>0.0007</b>	<b>0.0007</b>	<b>0.0007</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 29

Towards Ground-low

Type: Phone measurement (Complete)

Date of measurement: 22/8/2016

Measurement duration: 8 minutes 37 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>Low</u>
<b><u>Signal</u></b>	<u>IEEE802.b (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.11</u>

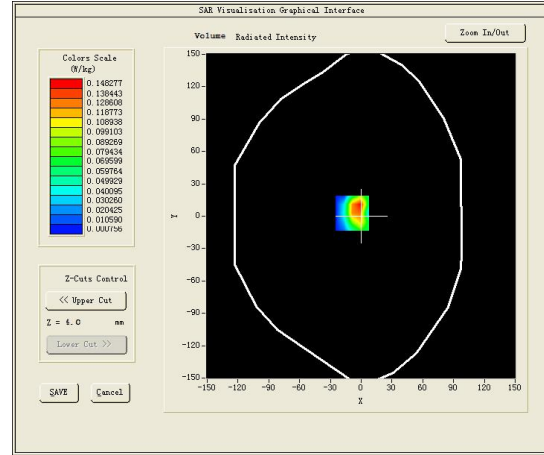
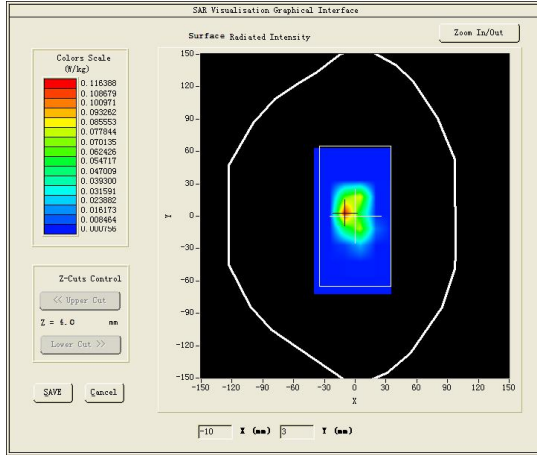
### **B. SAR Measurement Results**

Lower Band SAR (Channel 1):

<b>Frequency (MHz)</b>	2412.000000
<b>Relative permittivity (real part)</b>	51.257198
<b>Relative permittivity (imaginary part)</b>	14.393300
<b>Conductivity (S/m)</b>	1.928702
<b>Variation (%)</b>	0.740000

### SURFACE SAR

### VOLUME SAR

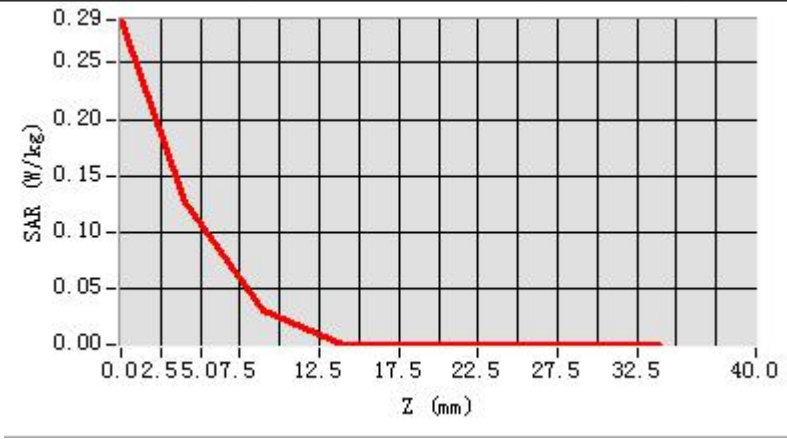


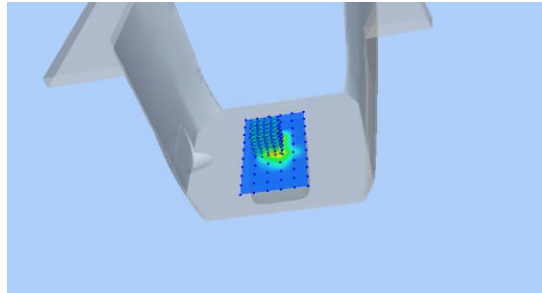
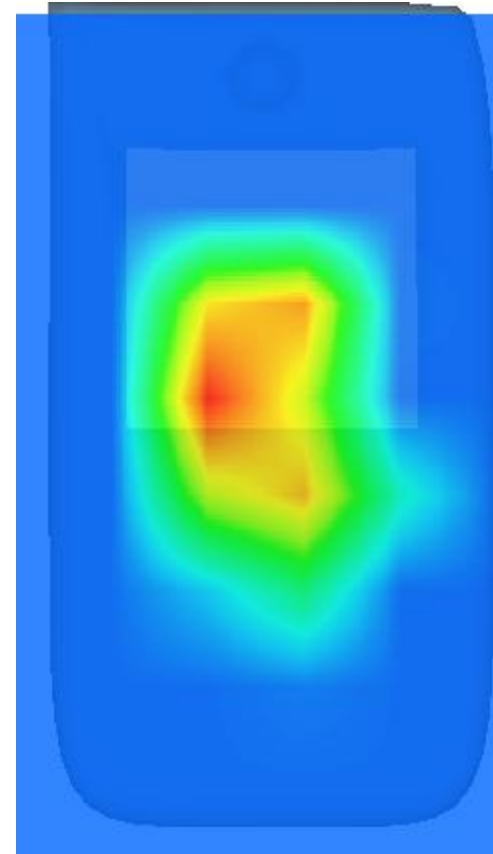
**Maximum location: X=-9.00, Y=3.00**

**SAR Peak: 0.41 W/kg**

<b>SAR 10g (W/Kg)</b>	0.054948
<b>SAR 1g (W/Kg)</b>	0.169390

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2878	0.1264	0.0302	0.0008	0.0008	0.0008	0.0008



3D screen shot	Hot spot position
	



## MEASUREMENT 30

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>

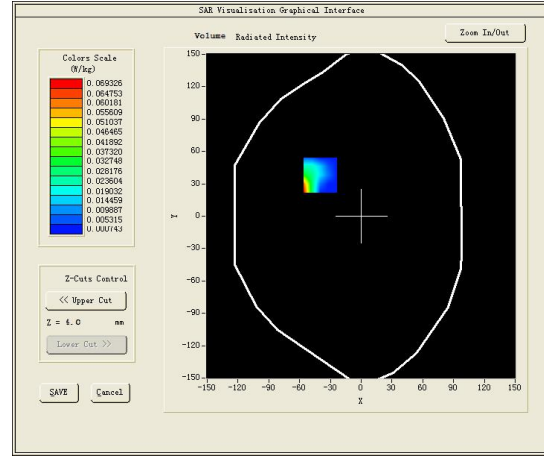
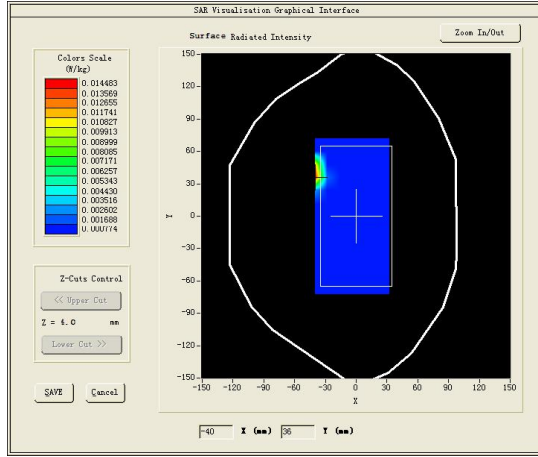
### **B. SAR Measurement Results**

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

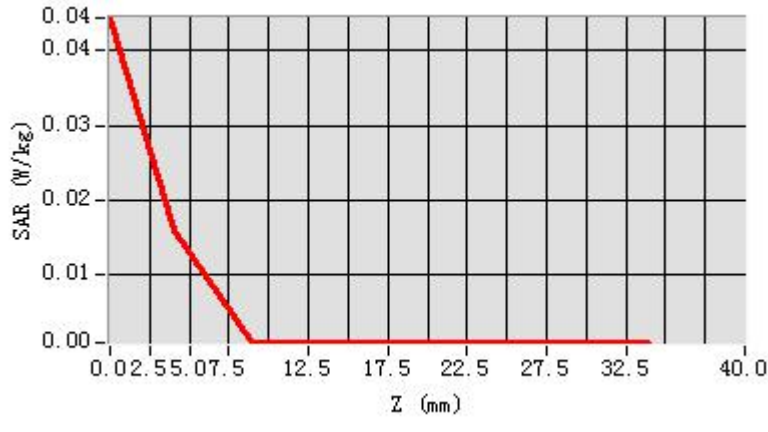


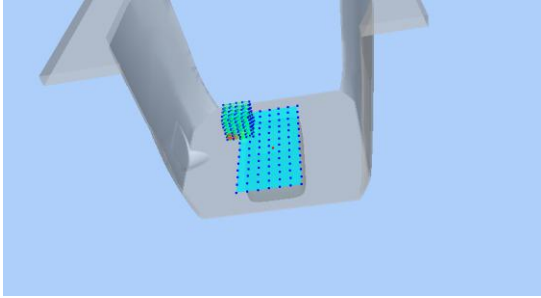
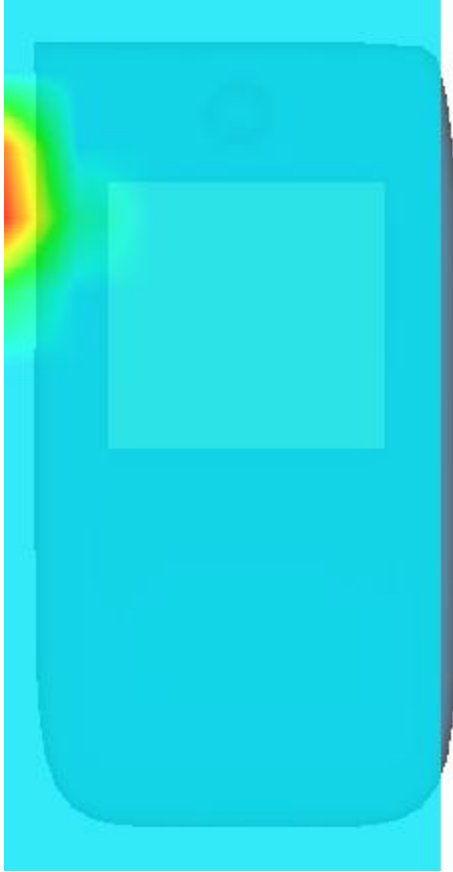
**Maximum location: X=-40.00, Y=38.00**

**SAR Peak: 0.17 W/kg**

<b>SAR 10g (W/Kg)</b>	0.013769
<b>SAR 1g (W/Kg)</b>	0.164226

<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 31

Towards Ground-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>

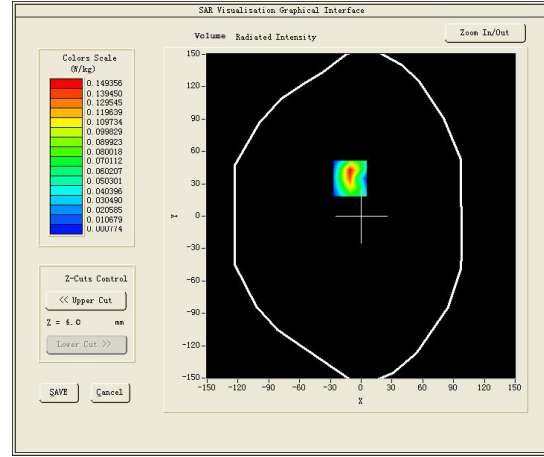
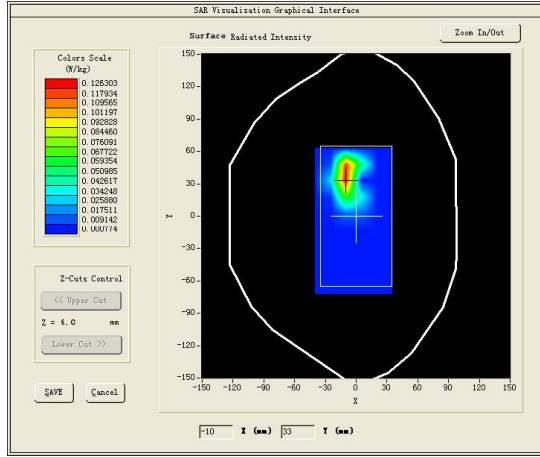
### **B. SAR Measurement Results**

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>	1.210000

### SURFACE SAR

### VOLUME SAR

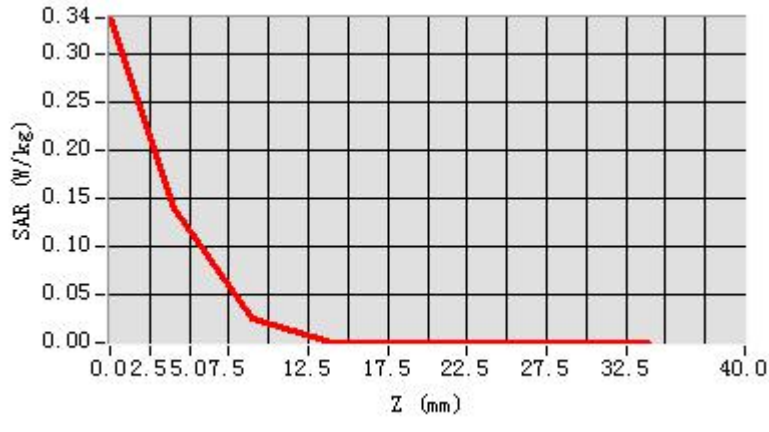


**Maximum location: X=-11.00, Y=35.00**

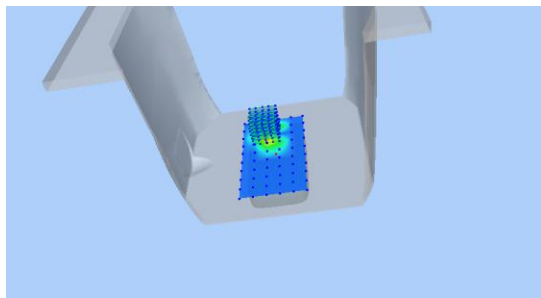
**SAR Peak: 0.39 W/kg**

<b>SAR 10g (W/Kg)</b>	0.050484
<b>SAR 1g (W/Kg)</b>	0.159280

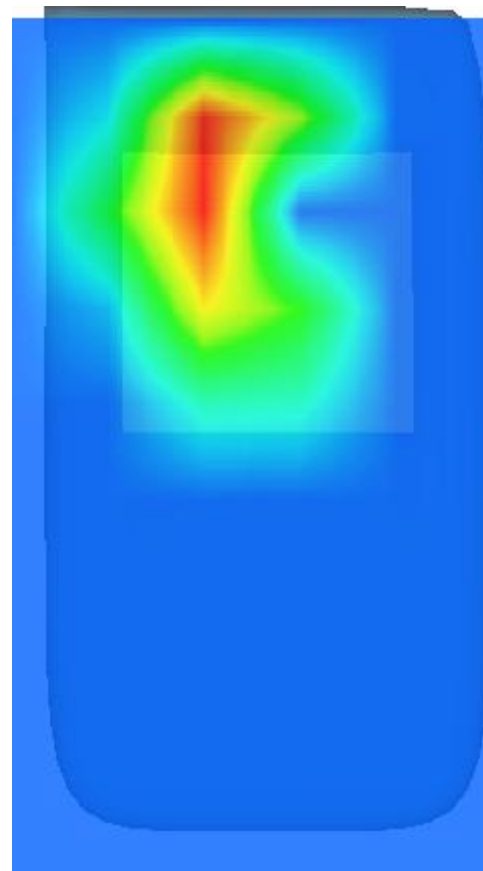
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3368	0.1401	0.0264	0.0008	0.0008	0.0008	0.0008



**3D screen shot**



**Hot spot position**



## MEASUREMENT 32

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>

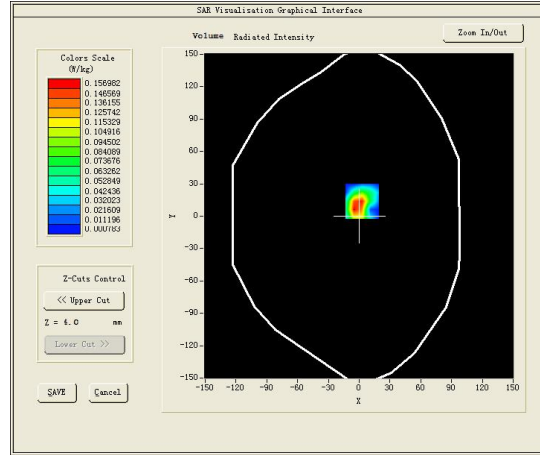
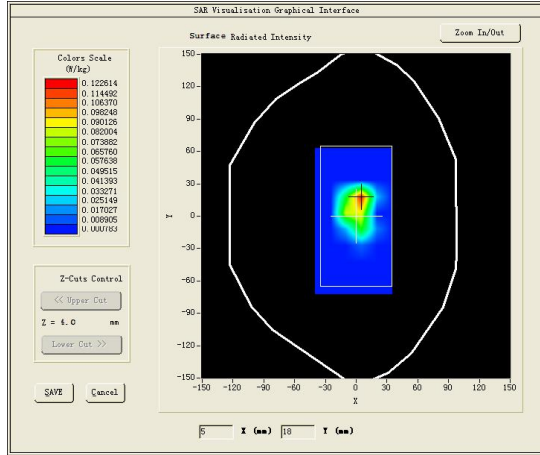
### **B. SAR Measurement Results**

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>	4.800000

### SURFACE SAR

### VOLUME SAR



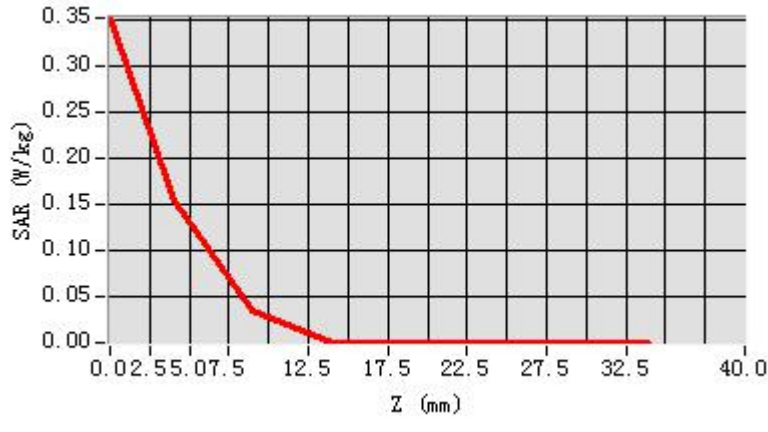
**Maximum location: X=3.00, Y=14.00**

**SAR Peak: 0.39 W/kg**

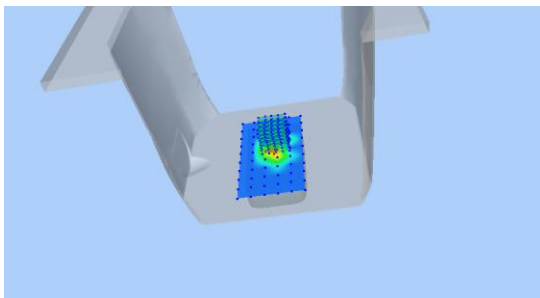
<b>SAR 10g (W/Kg)</b>	0.049851
<b>SAR 1g (W/Kg)</b>	0.158863



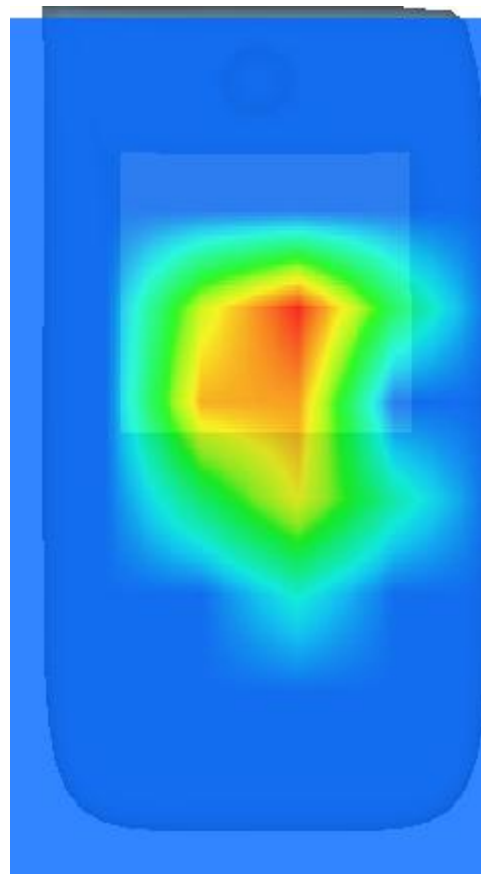
<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>0.3516</b>	<b>0.1535</b>	<b>0.0358</b>	<b>0.0008</b>	<b>0.0008</b>	<b>0.0008</b>	<b>0.0008</b>



**3D screen shot**



**Hot spot position**



## MEASUREMENT 33

Towards-ground-low

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 10 minutes 38 seconds

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

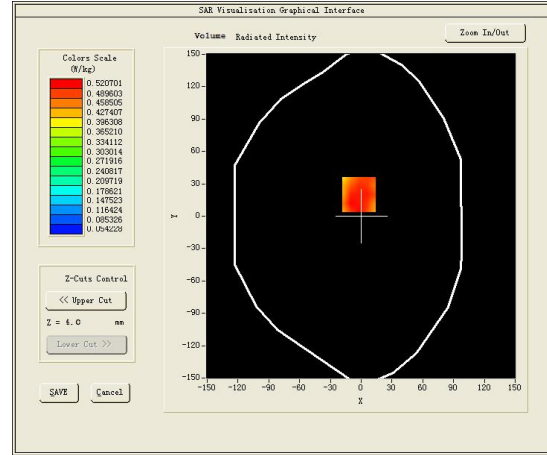
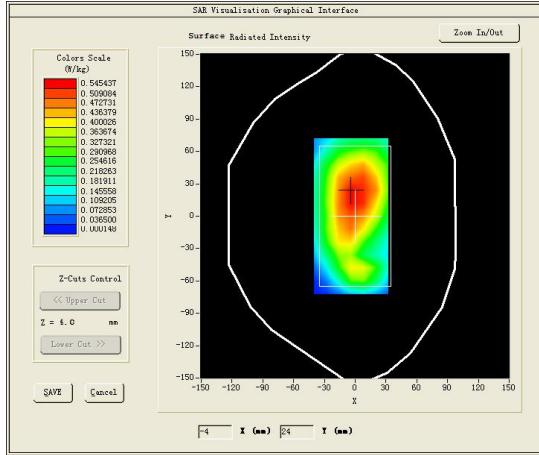
<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS850 4Tx)</u>
<b><u>Channels</u></b>	<u>Low</u>
<b><u>Signal</u></b>	<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>	-1.580000

### SURFACE SAR

### VOLUME SAR

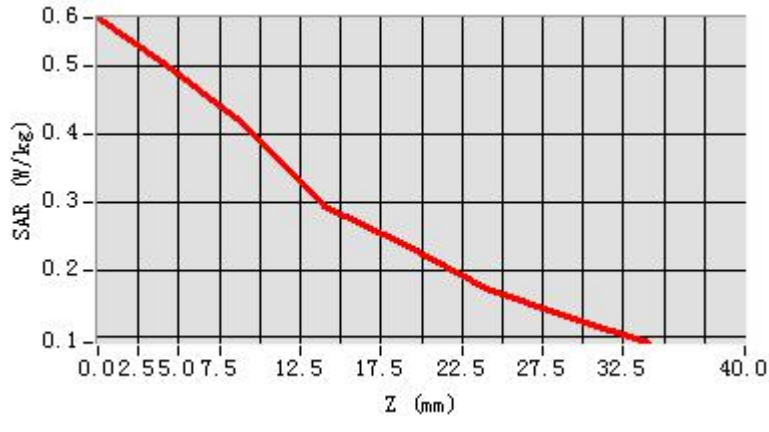


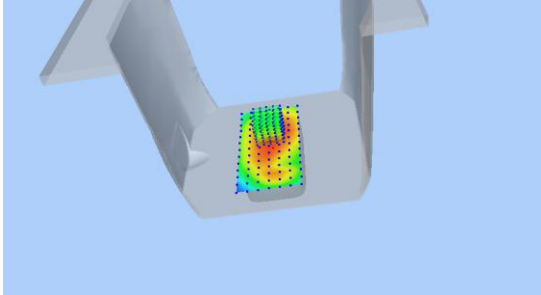
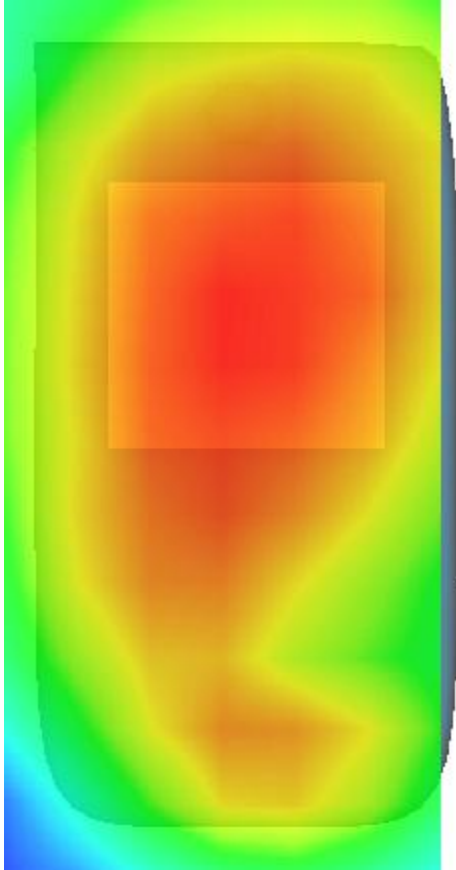
**Maximum location: X=-2.00, Y=20.00**

**SAR Peak: 0.68 W/kg**

<b>SAR 10g (W/Kg)</b>	0.378634
<b>SAR 1g (W/Kg)</b>	0.521302

<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>



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

## MEASUREMENT 34

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 23/8/2016

Measurement duration: 10 minutes 27 seconds

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

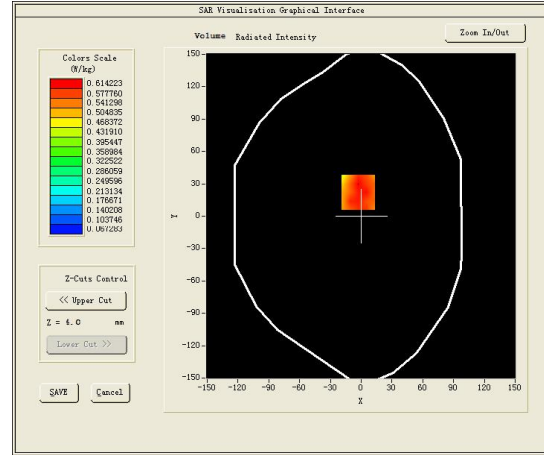
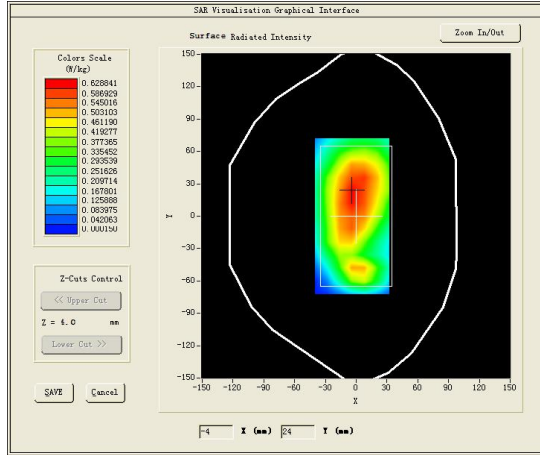
<b><u>Area Scan</u></b>	<u>dx=12mm dy=12mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Body</u>
<b><u>Band</u></b>	<u>CUSTOM (GPRS850 4Tx)</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></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>	3.180000

### SURFACE SAR

### VOLUME SAR

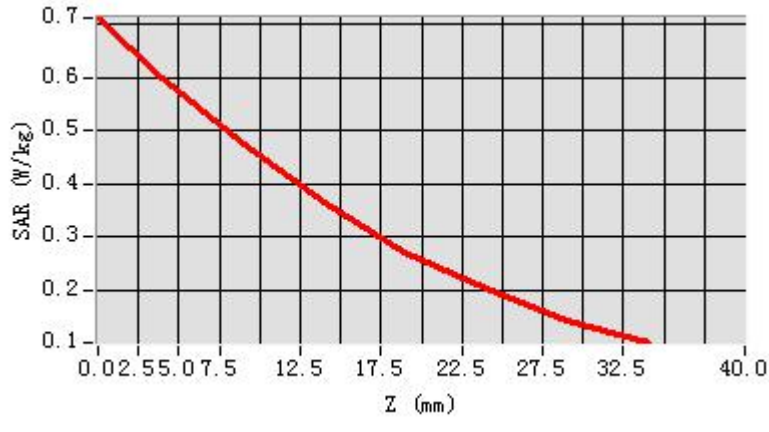


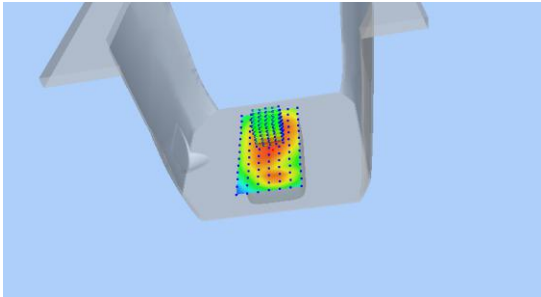
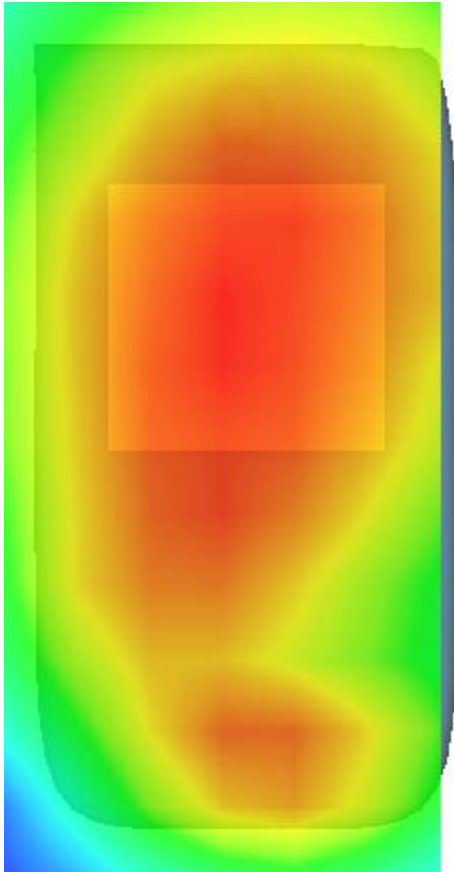
**Maximum location: X=-3.00, Y=22.00**

**SAR Peak: 0.82 W/kg**

<b>SAR 10g (W/Kg)</b>	0.445415
<b>SAR 1g (W/Kg)</b>	0.619435

<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 35

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>

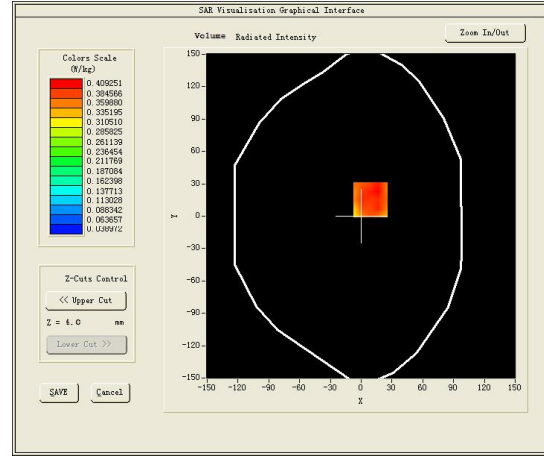
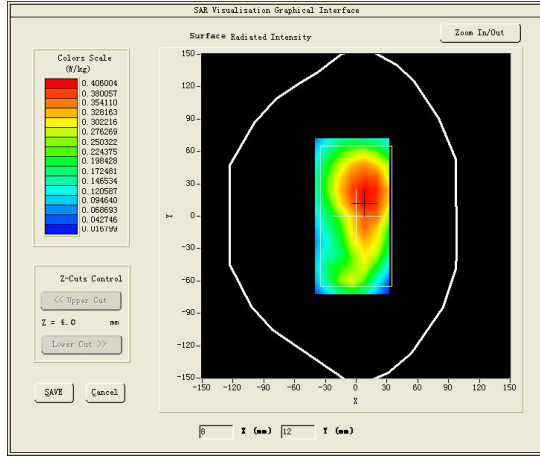
### **B. SAR Measurement Results**

<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>	-1.850000



### SURFACE SAR

### VOLUME SAR

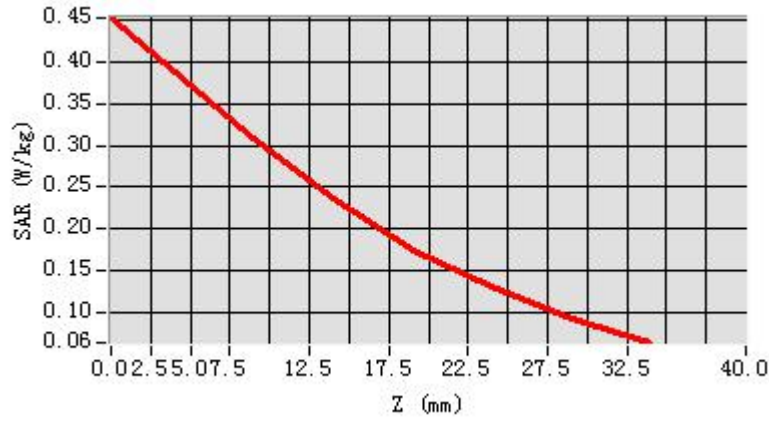


**Maximum location: X=9.00, Y=15.00**

**SAR Peak: 0.55 W/kg**

<b>SAR 10g (W/Kg)</b>	0.292323
<b>SAR 1g (W/Kg)</b>	0.408285

<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
