	Annex B: Measurement Results
	Project Name : X555
	Report Number: FCC16083918A-6

MEASUREMENT 1

Type: Phone measurement (Complete)

Date of measurement: 19/8/2016

Measurement duration: 9 minutes 37 seconds

A. Experimental conditions.

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

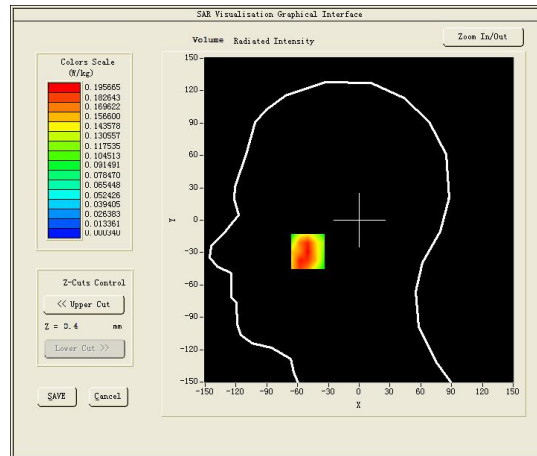
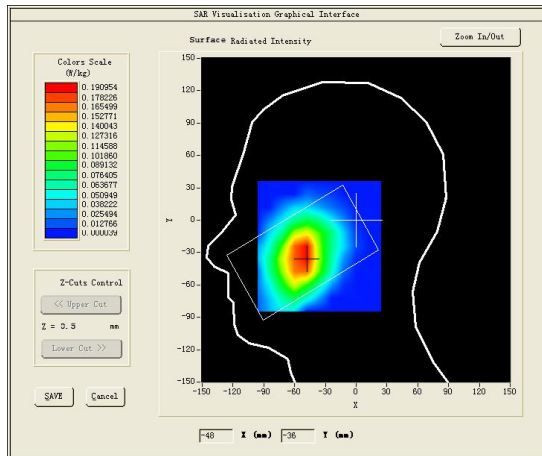
B. SAR Measurement Results

Middle Band SAR (Channel 190):

Frequency (MHz)	836.599976
Relative permittivity (real part)	40.527519
Relative permittivity (imaginary part)	19.956440
Conductivity (S/m)	0.927531
Variation (%)	2.300000

SURFACE SAR

VOLUME SAR

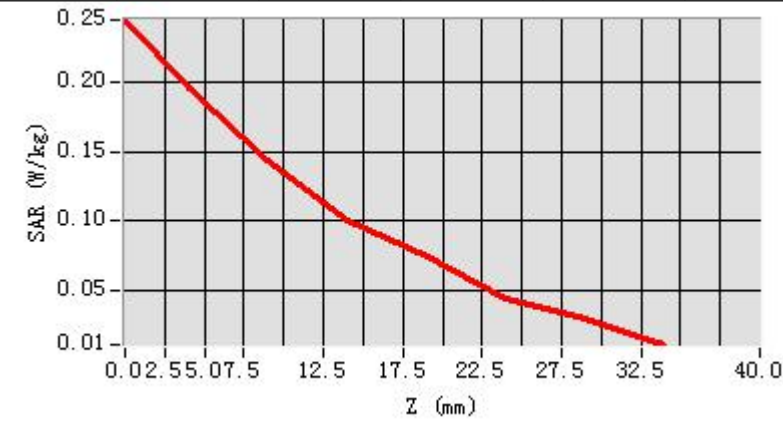


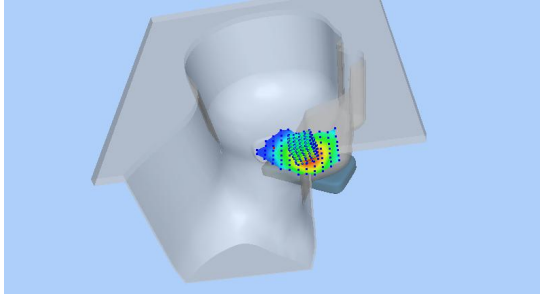
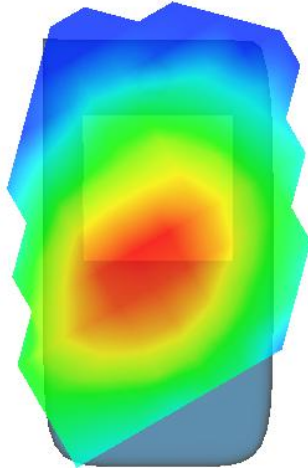
Maximum location: X=-50.00, Y=-29.00

SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.123439
SAR 1g (W/Kg)	0.193263

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2453	0.1957	0.1445	0.1003	0.0740	0.0441	0.0294



3D screen shot	Hot spot position
	

MEASUREMENT 2

Type: Phone measurement (Complete)

Date of measurement: 24/8/2016

Measurement duration: 9 minutes 59 seconds

A. Experimental conditions.

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

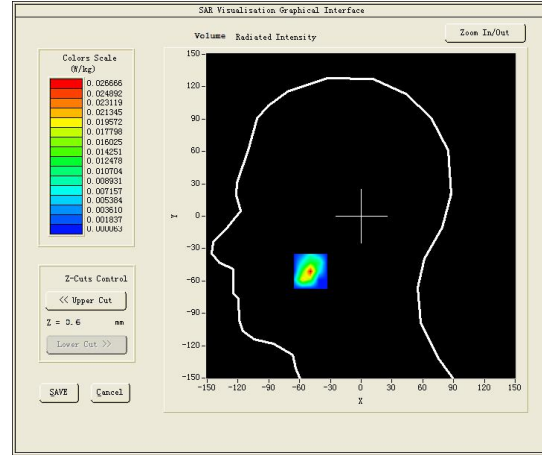
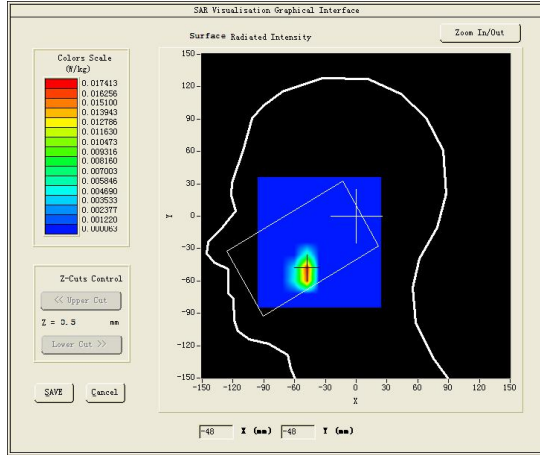
B. SAR Measurement Results

Middle Band SAR (Channel 661):

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

SURFACE SAR

VOLUME SAR

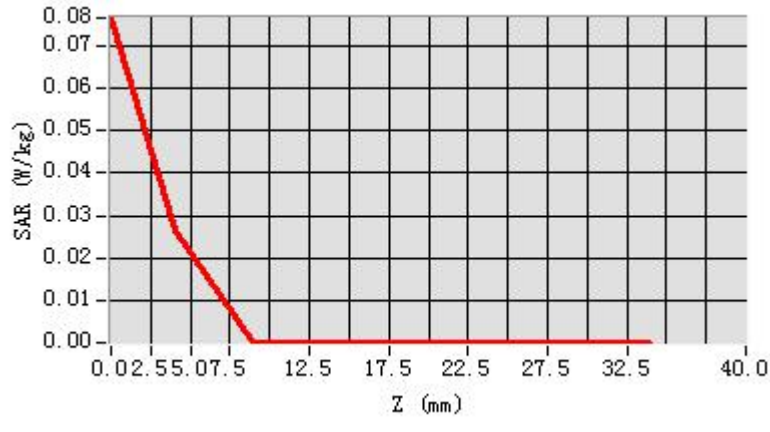


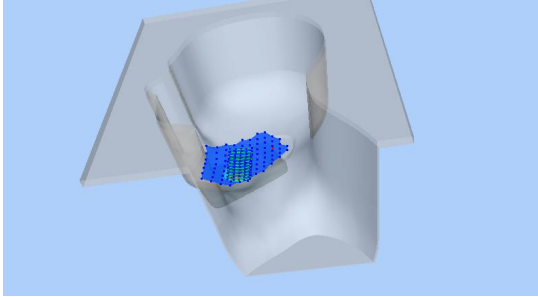
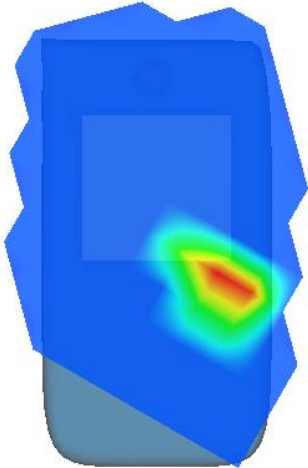
Maximum location: X=-49.00, Y=-51.00

SAR Peak: 0.08 W/kg

SAR 10g (W/Kg)	0.006927
SAR 1g (W/Kg)	0.026499

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0765	0.0267	0.0001	0.0001	0.0001	0.0001	0.0001



3D screen shot	Hot spot position
	

MEASUREMENT 3

Type: Phone measurement (Complete)

Date of measurement: 24/8/2016

Measurement duration: 9 minutes 55 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm, Complete</u>
<u>Phantom</u>	<u>Right head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>Band2 WCDMA1900</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.63</u>

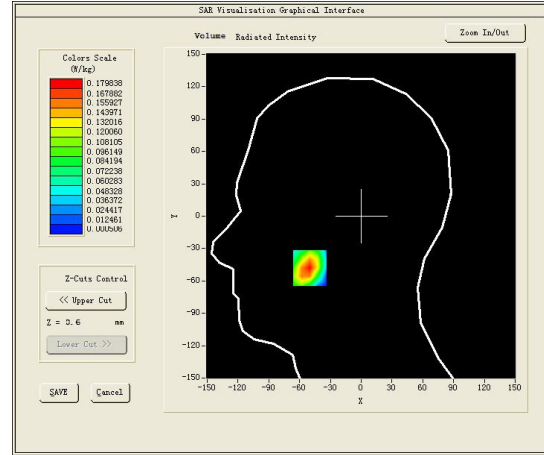
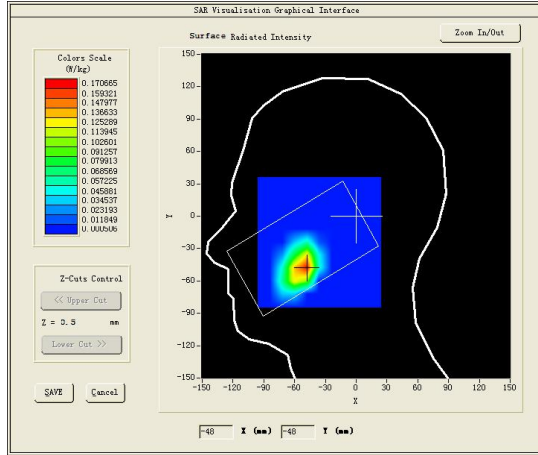
B. SAR Measurement Results

Middle Band SAR (Channel 9400):

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

SURFACE SAR

VOLUME SAR

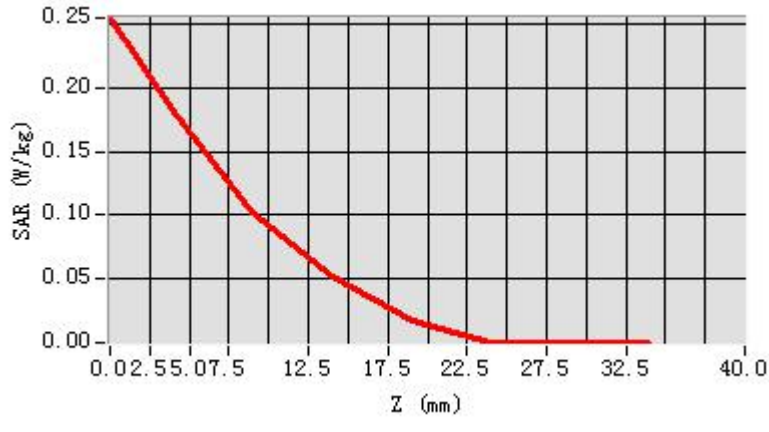


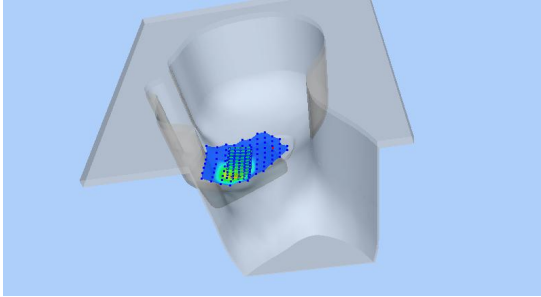
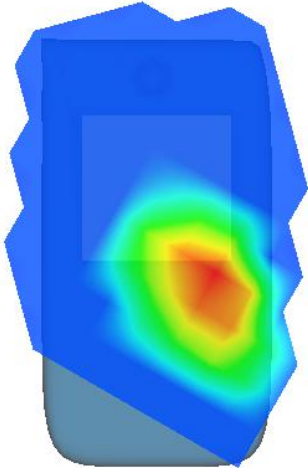
Maximum location: X=-50.00, Y=-48.00

SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.079897
SAR 1g (W/Kg)	0.164147

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2542	0.1798	0.1026	0.0526	0.0171	0.0005	0.0005



3D screen shot	Hot spot position
	

MEASUREMENT 4

Rear-side-middle

Type: Phone measurement (Complete)

Date of measurement: 24/8/2016

Measurement duration: 8 minutes 9 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band2 WCDMA1900</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

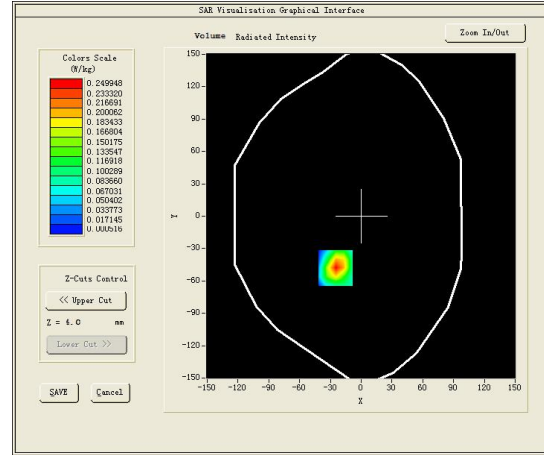
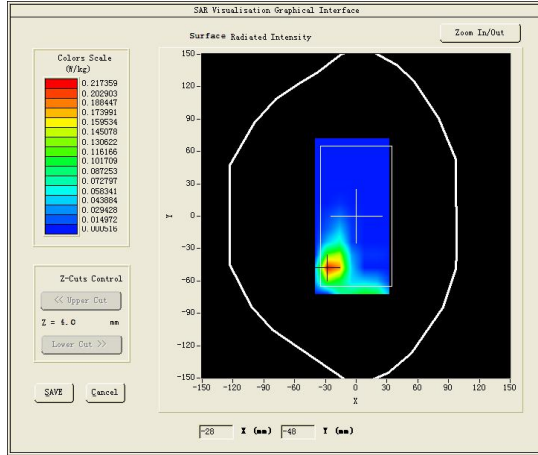
B. SAR Measurement Results

Middle Band SAR (Channel 9400):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	52.254398
Relative permittivity (imaginary part)	14.597900
Conductivity (S/m)	1.524670
Variation (%)	2.900000

SURFACE SAR

VOLUME SAR

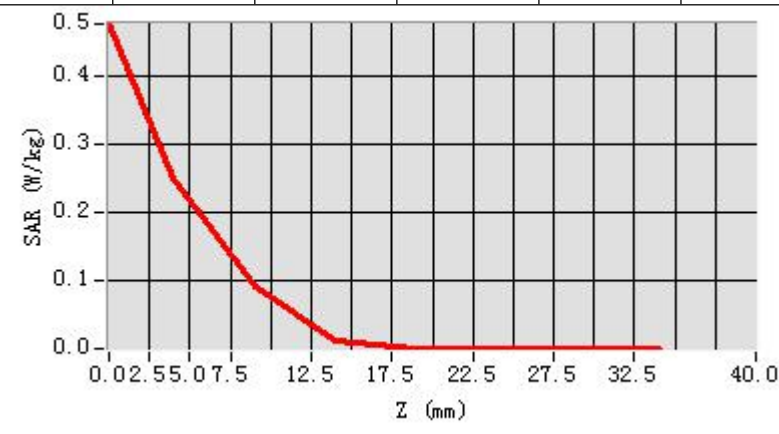


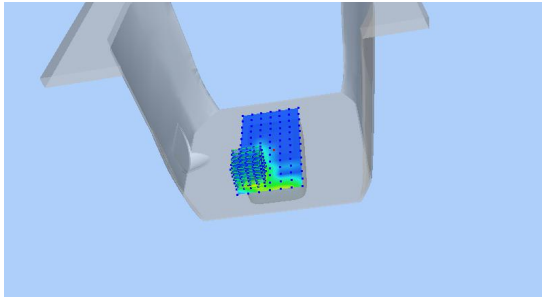
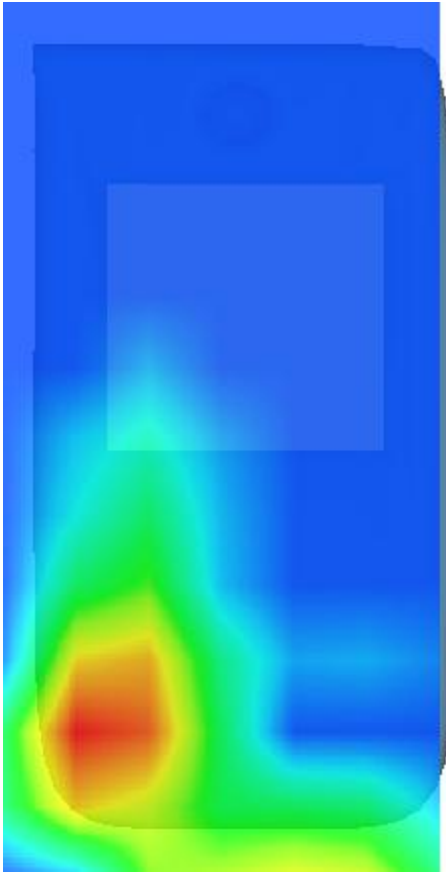
Maximum location: X=-25.00, Y=-48.00

SAR Peak: 0.52 W/kg

SAR 10g (W/Kg)	0.095596
SAR 1g (W/Kg)	0.252382

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4778	0.2499	0.0929	0.0136	0.0005	0.0005	0.0005



3D screen shot	Hot spot position
	

MEASUREMENT 5

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 24/8/2016

Measurement duration: 7 minutes 44 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band2 WCDMA1900</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

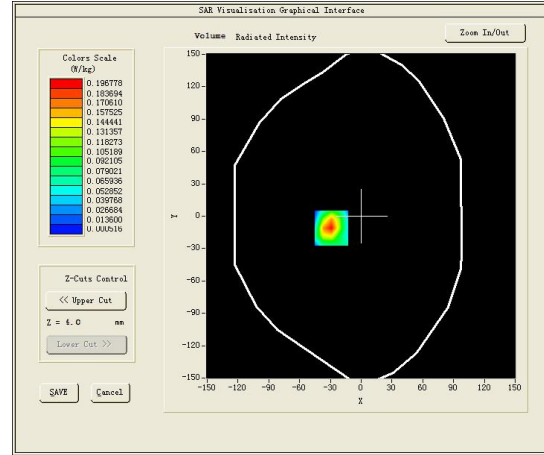
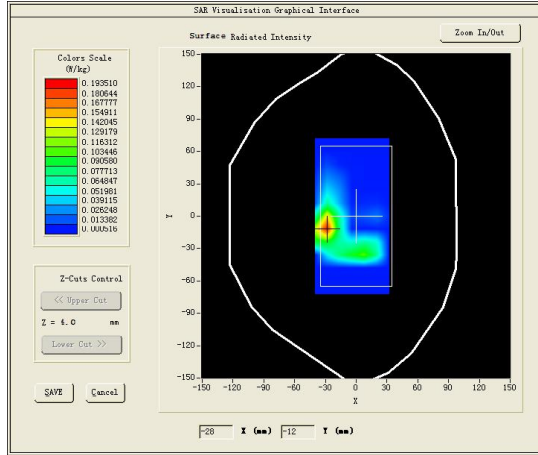
B. SAR Measurement Results

Middle Band SAR (Channel 9400):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	52.254398
Relative permittivity (imaginary part)	14.597900
Conductivity (S/m)	1.524670
Variation (%)	4.750000

SURFACE SAR

VOLUME SAR

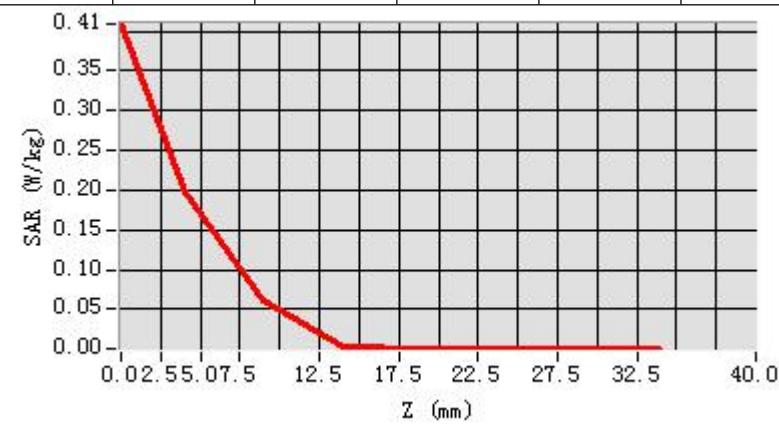


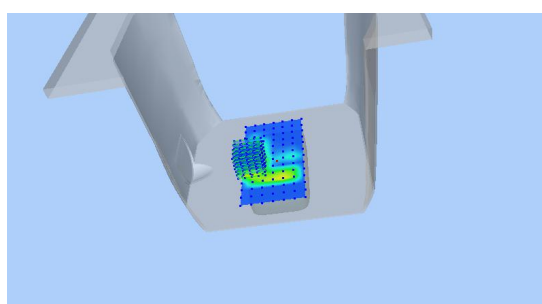
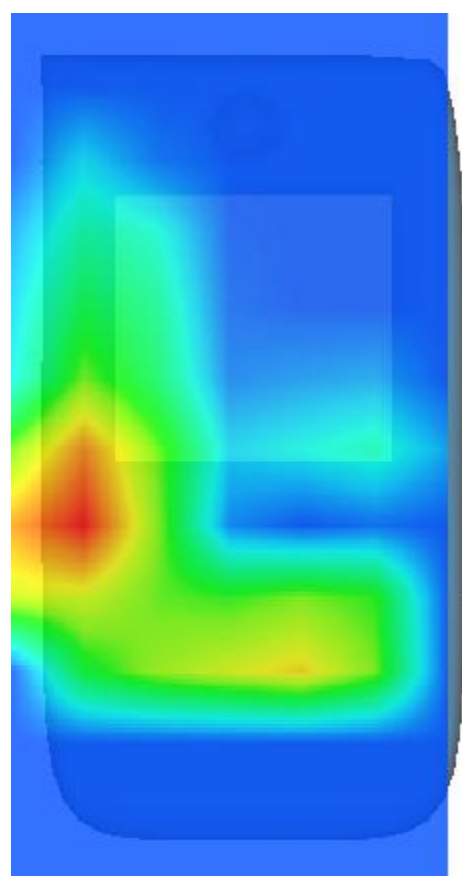
Maximum location: X=-29.00, Y=-11.00

SAR Peak: 0.45 W/kg

SAR 10g (W/Kg)	0.073066
SAR 1g (W/Kg)	0.206883

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4091	0.1968	0.0618	0.0032	0.0005	0.0005	0.0005



3D screen shot	Hot spot position
	

MEASUREMENT 6

Type: Phone measurement (Complete)

Date of measurement: 27/8/2016

Measurement duration: 9 minutes 59 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Right head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>Band4 WCDMA1700</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.01</u>

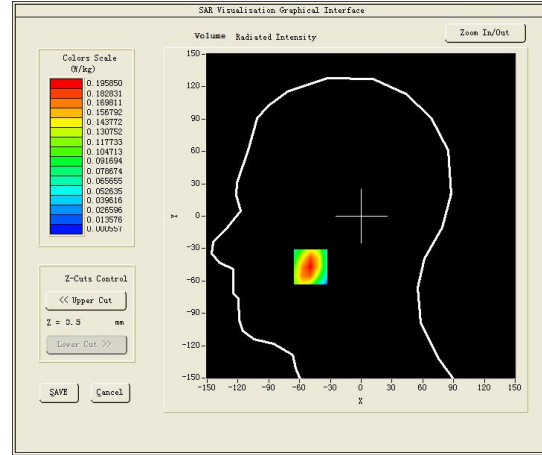
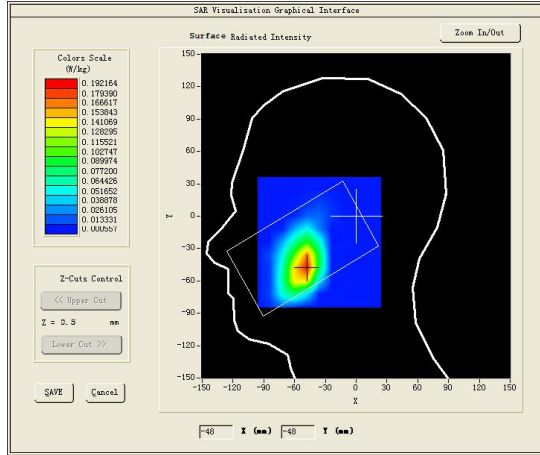
B. SAR Measurement Results

Middle Band SAR (Channel 1413):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	39.690201
Relative permittivity (imaginary part)	14.005500
Conductivity (S/m)	1.347640
Variation (%)	0.000000

SURFACE SAR

VOLUME SAR

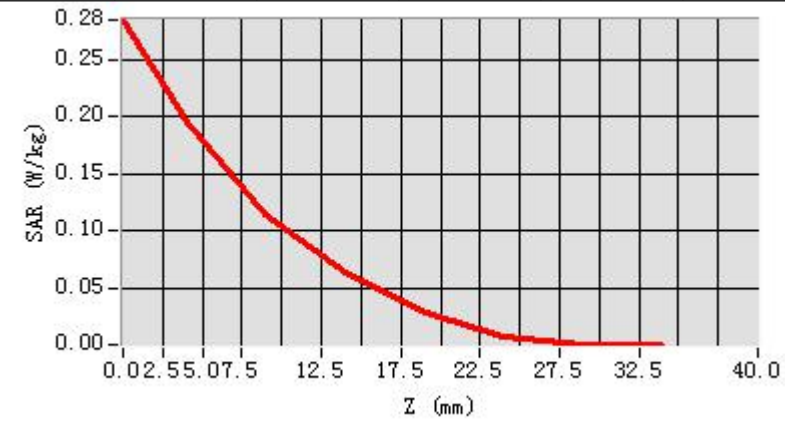


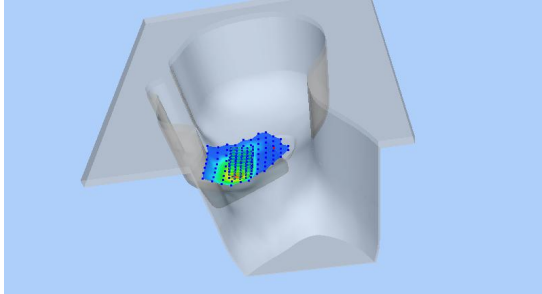
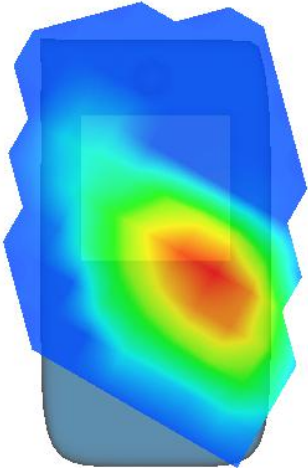
Maximum location: X=-49.00, Y=-47.00

SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.097545
SAR 1g (W/Kg)	0.183392

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2844	0.1958	0.1148	0.0637	0.0280	0.0075	0.0006



3D screen shot	Hot spot position
	

MEASUREMENT 7

Rear-side-middle

Type: Phone measurement (Complete)

Date of measurement: 27/8/2016

Measurement duration: 11 minutes 33 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band4 WCDMA1700</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.16</u>

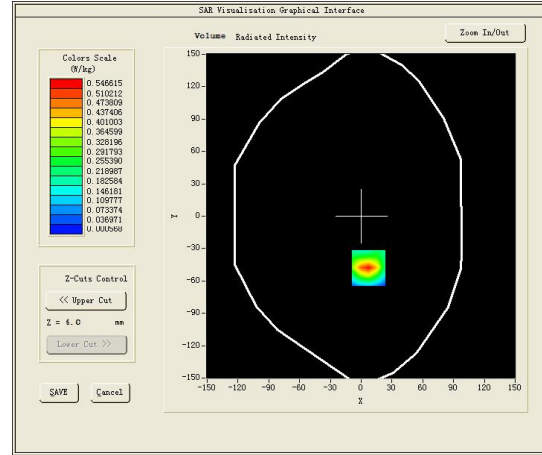
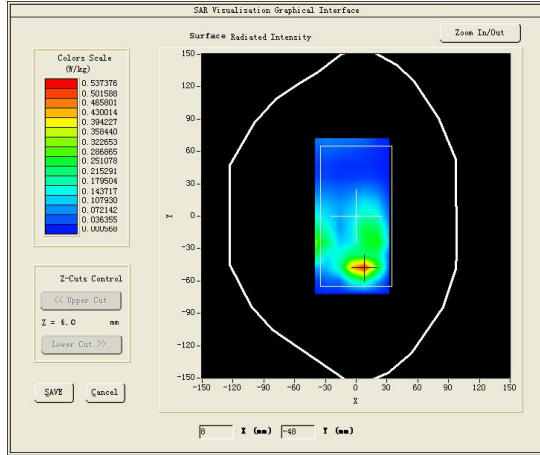
B. SAR Measurement Results

Middle Band SAR (Channel 1413):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	53.297798
Relative permittivity (imaginary part)	14.675700
Conductivity (S/m)	1.412128
Variation (%)	1.220000

SURFACE SAR

VOLUME SAR

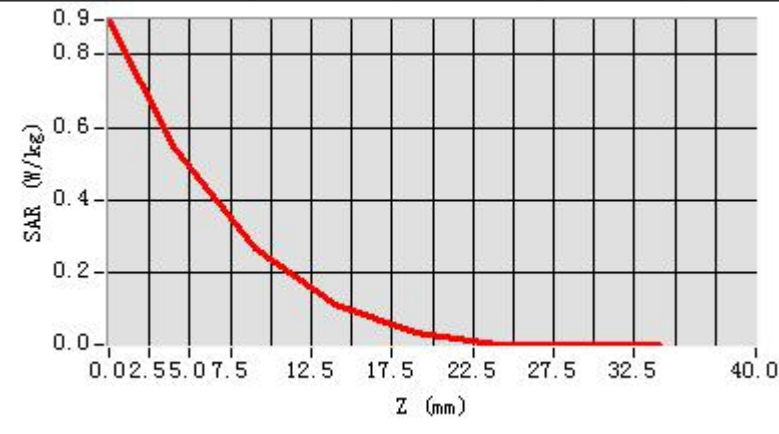


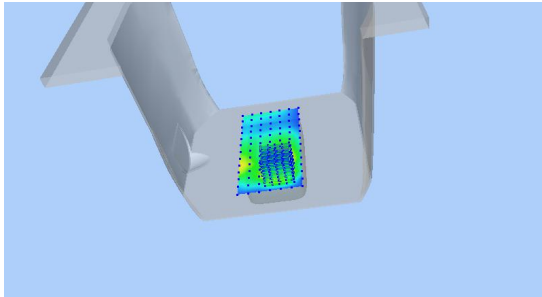
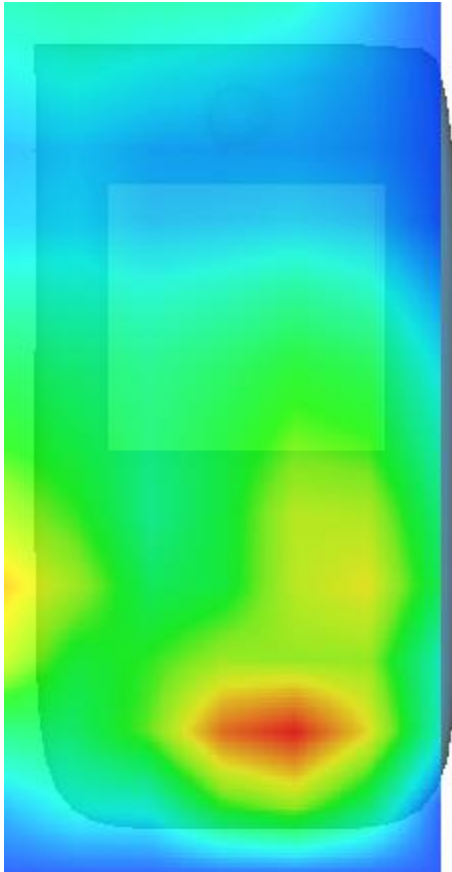
Maximum location: X=7.00, Y=-48.00

SAR Peak: 0.94 W/kg

SAR 10g (W/Kg)	0.220619
SAR 1g (W/Kg)	0.514238

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8957	0.5466	0.2631	0.1105	0.0331	0.0006	0.0006



3D screen shot	Hot spot position
	

MEASUREMENT 8

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 27/8/2016

Measurement duration: 11 minutes 48 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band4 WCDMA1700</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.16</u>

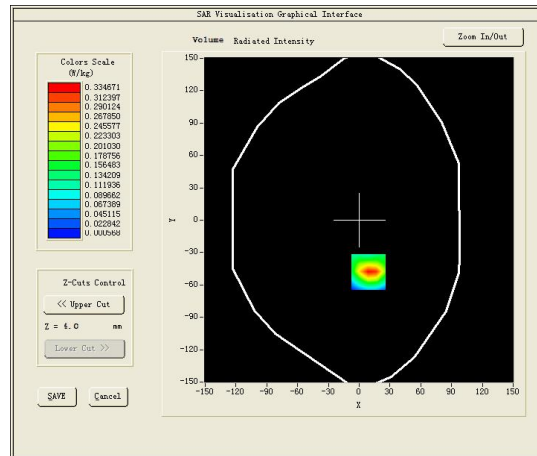
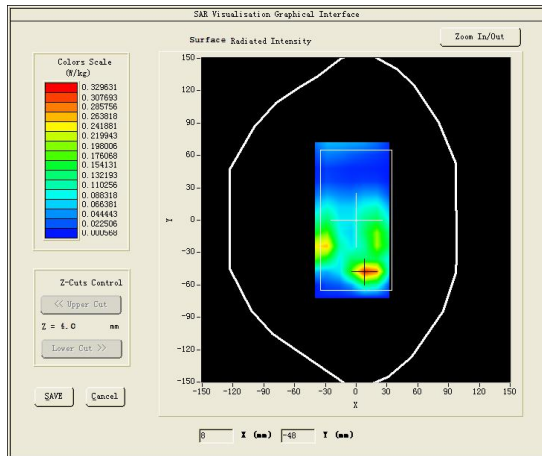
B. SAR Measurement Results

Middle Band SAR (Channel 1413):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	53.297798
Relative permittivity (imaginary part)	14.675700
Conductivity (S/m)	1.412128
Variation (%)	-0.700000

SURFACE SAR

VOLUME SAR

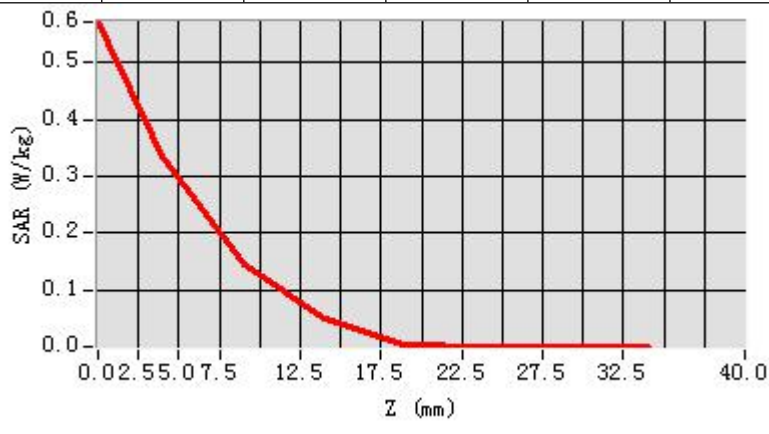


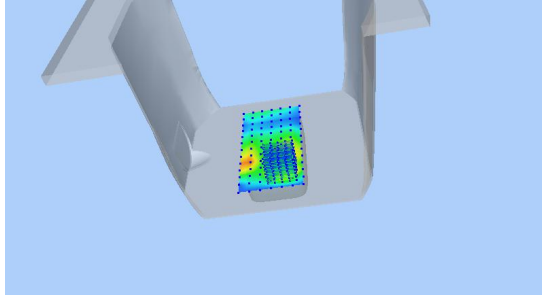
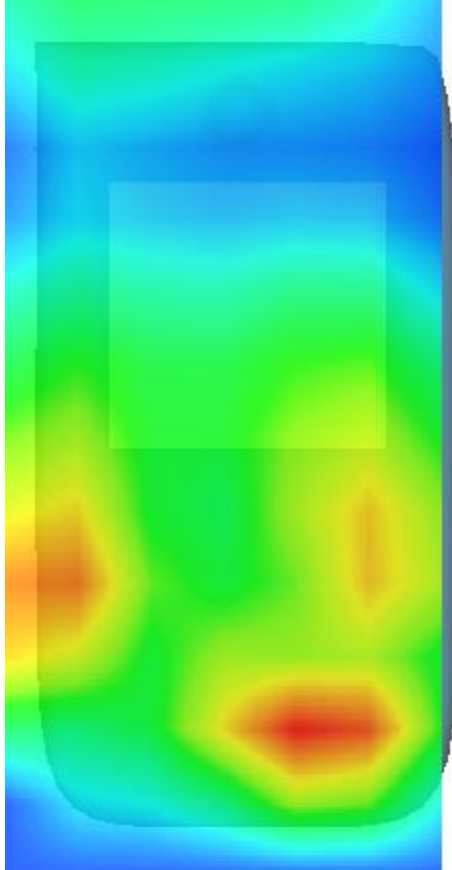
Maximum location: X=9.00, Y=-48.00

SAR Peak: 0.61 W/kg

SAR 10g (W/Kg)	0.131094
SAR 1g (W/Kg)	0.319162

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5720	0.3347	0.1457	0.0508	0.0036	0.0006	0.0006



3D screen shot	Hot spot position
	

MEASUREMENT 9

Type: Phone measurement (Complete)

Date of measurement: 19/8/2016

Measurement duration: 9 minutes 37 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Right head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>Band5 WCDMA850</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.93</u>

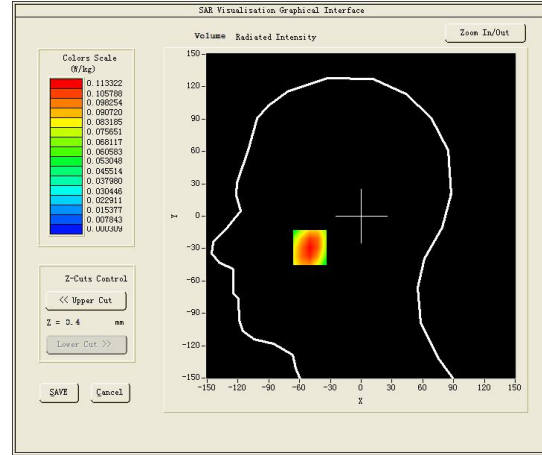
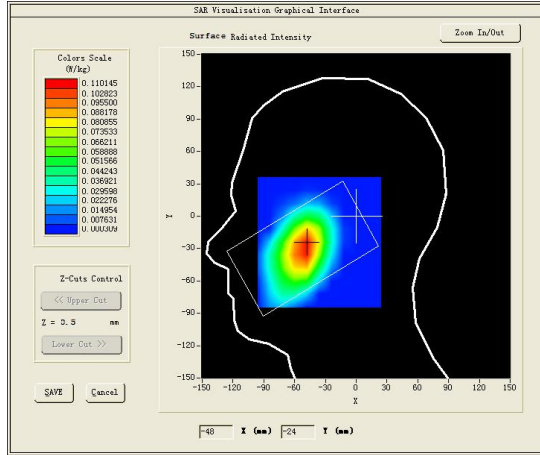
B. SAR Measurement Results

Middle Band SAR (Channel 4182):

Frequency (MHz)	836.400024
Relative permittivity (real part)	40.538380
Relative permittivity (imaginary part)	19.960159
Conductivity (S/m)	0.927482
Variation (%)	0.000000

SURFACE SAR

VOLUME SAR

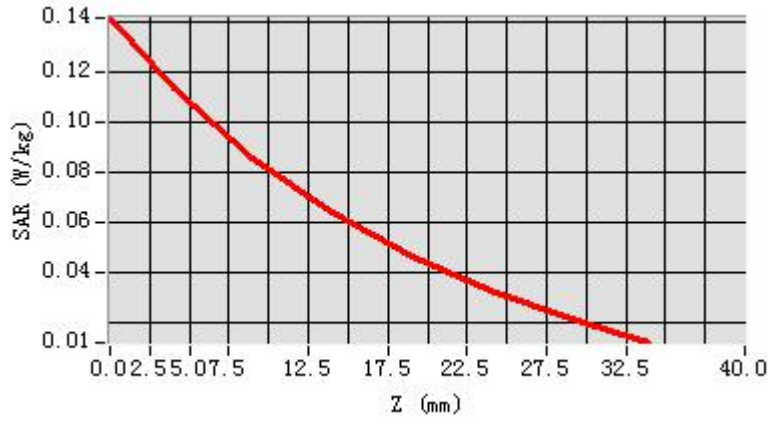


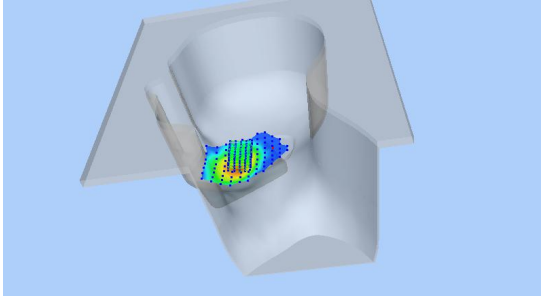
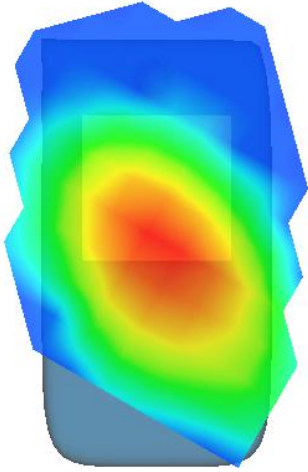
Maximum location: X=-50.00, Y=-29.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.075351
SAR 1g (W/Kg)	0.111167

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1416	0.1133	0.0853	0.0639	0.0466	0.0326	0.0212



3D screen shot	Hot spot position
	

MEASUREMENT 10

Rear-side-middle

Type: Phone measurement (Complete)

Date of measurement: 19/8/2016

Measurement duration: 10 minutes 19 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band5 WCDMA850</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>5.07</u>

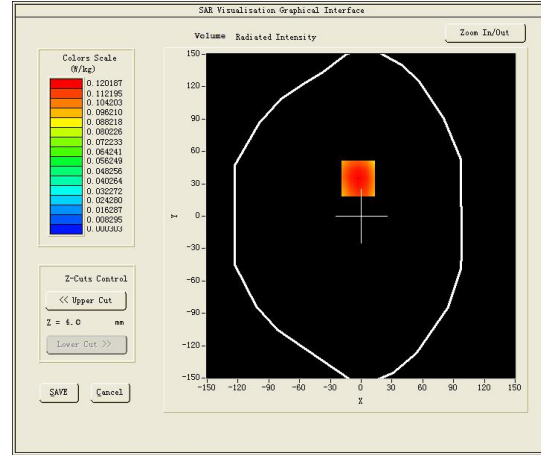
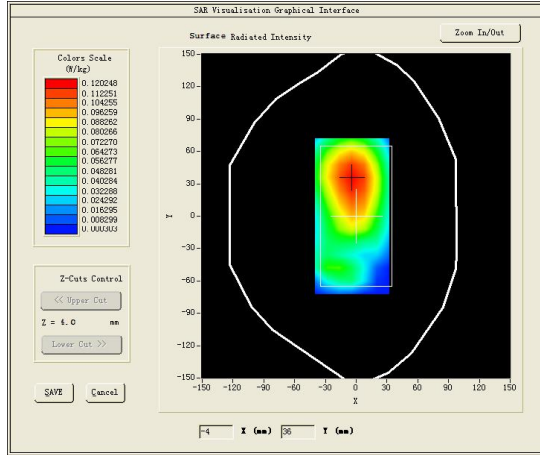
B. SAR Measurement Results

Middle Band SAR (Channel 4182):

Frequency (MHz)	836.400024
Relative permittivity (real part)	53.394279
Relative permittivity (imaginary part)	21.684340
Conductivity (S/m)	1.007599
Variation (%)	3.630000

SURFACE SAR

VOLUME SAR

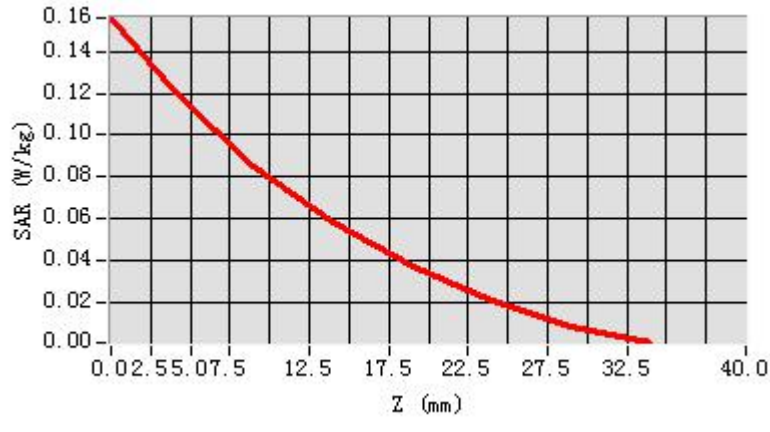


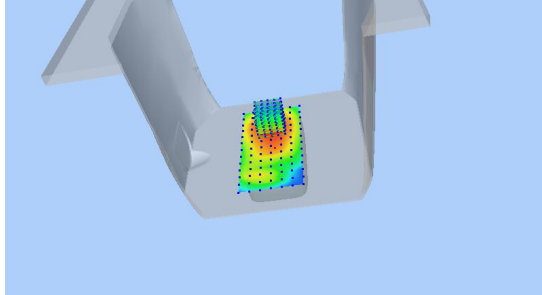
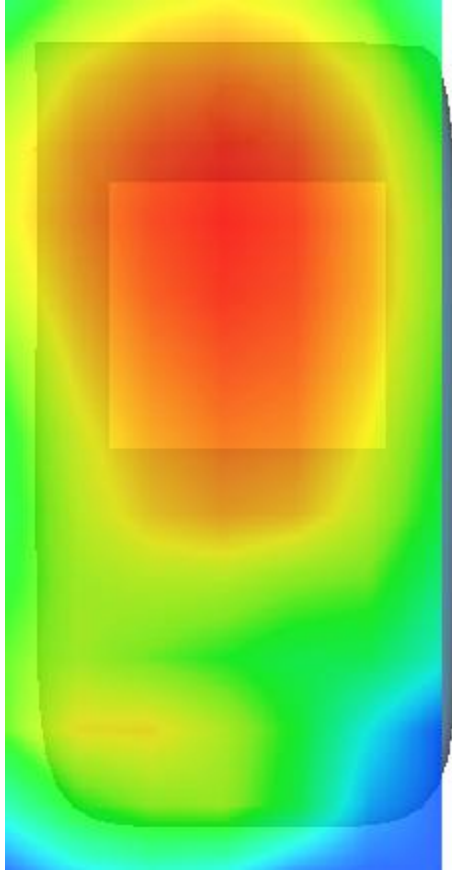
Maximum location: X=-3.00, Y=35.00

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.085976
SAR 1g (W/Kg)	0.130090

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1561	0.1202	0.0848	0.0576	0.0364	0.0202	0.0080



3D screen shot	Hot spot position
	

MEASUREMENT 11

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 19/8/2016

Measurement duration: 10 minutes 0 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band5 WCDMA850</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>5.07</u>

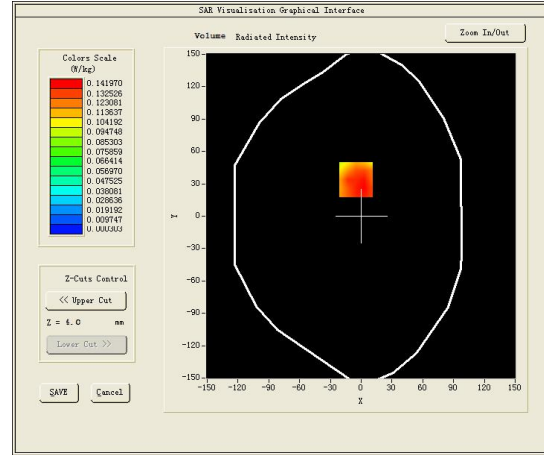
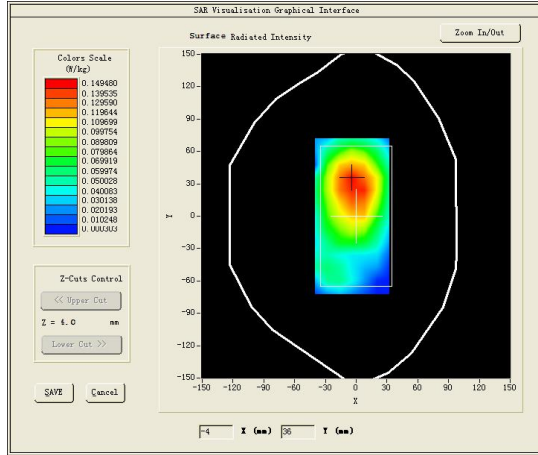
B. SAR Measurement Results

Middle Band SAR (Channel 4182):

Frequency (MHz)	836.400024
Relative permittivity (real part)	53.394279
Relative permittivity (imaginary part)	21.684340
Conductivity (S/m)	1.007599
Variation (%)	1.420000

SURFACE SAR

VOLUME SAR

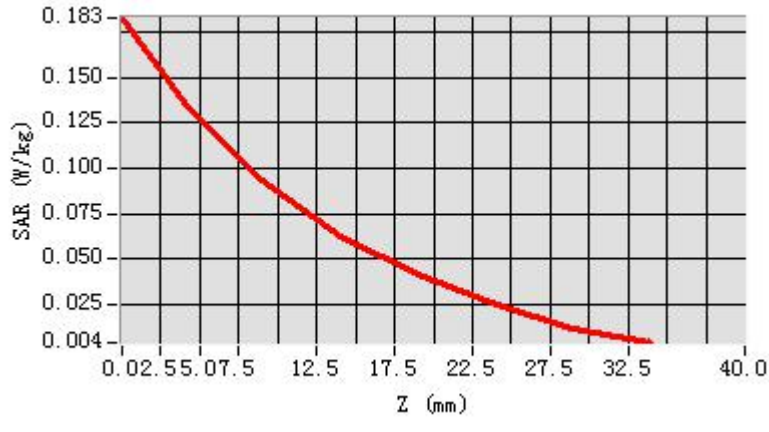


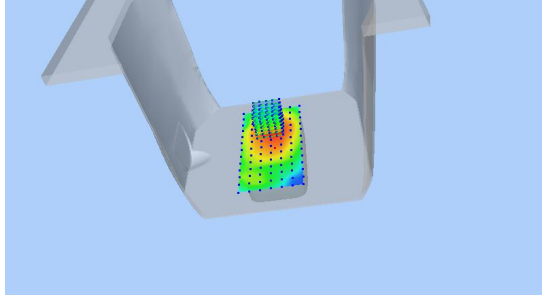
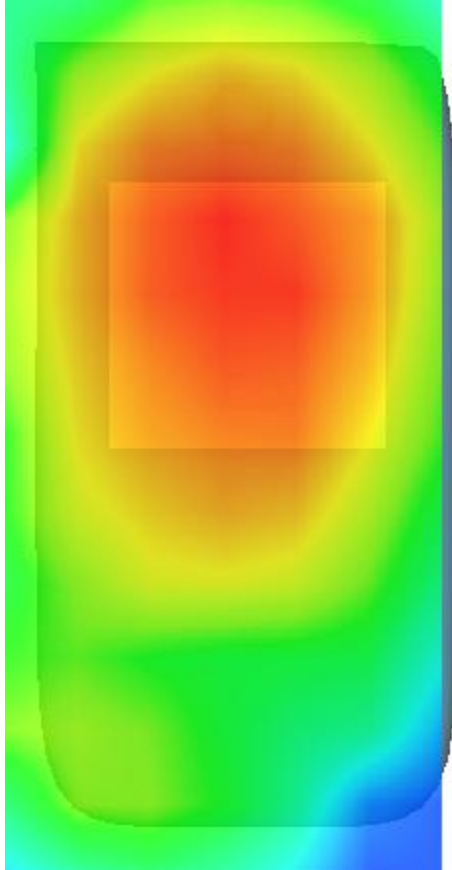
Maximum location: X=-5.00, Y=34.00

SAR Peak: 0.21 W/kg

SAR 10g (W/Kg)	0.100848
SAR 1g (W/Kg)	0.153315

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1825	0.1361	0.0939	0.0626	0.0413	0.0248	0.0122



3D screen shot	Hot spot position
	

MEASUREMENT 12

Type: Phone measurement (Complete)

Date of measurement: 20/8/2016

Measurement duration: 10 minutes 1 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Right head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>IEEE 802.11b ISM</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>IEEE802.b (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.00</u>

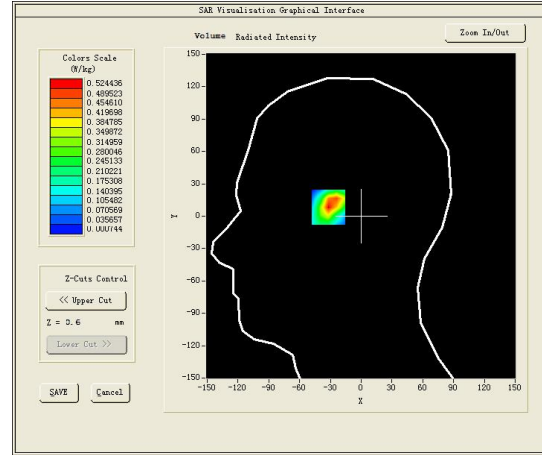
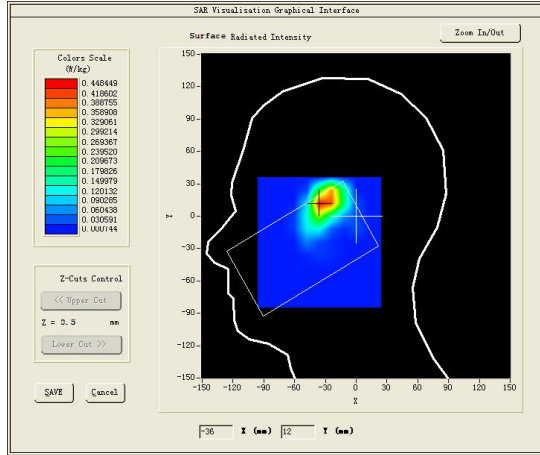
B. SAR Measurement Results

Middle Band SAR (Channel 6):

Frequency (MHz)	2437.000000
Relative permittivity (real part)	39.279701
Relative permittivity (imaginary part)	13.189900
Conductivity (S/m)	1.789430
Variation (%)	2.040000

SURFACE SAR

VOLUME SAR

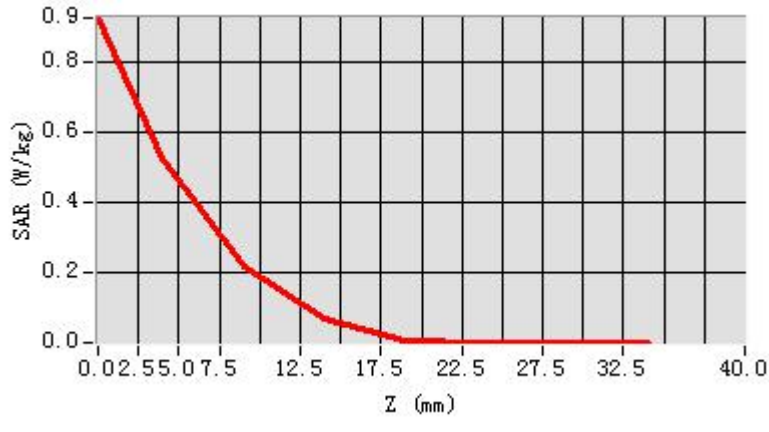


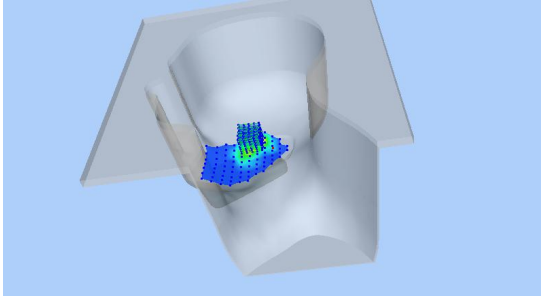
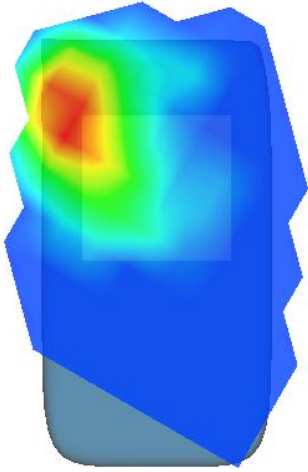
Maximum location: X=-32.00, Y=12.00

SAR Peak: 1.03 W/kg

SAR 10g (W/Kg)	0.193460
SAR 1g (W/Kg)	0.496850

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.9253	0.5244	0.2193	0.0702	0.0064	0.0007	0.0007



3D screen shot	Hot spot position
	

MEASUREMENT 13

Rear side-middle

Type: Phone measurement (Complete)

Date of measurement: 20/8/2016

Measurement duration: 10 minutes 48 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11b ISM</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>IEEE802.b (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.11</u>

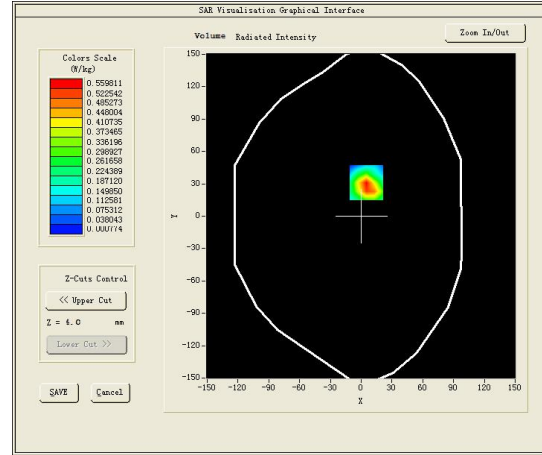
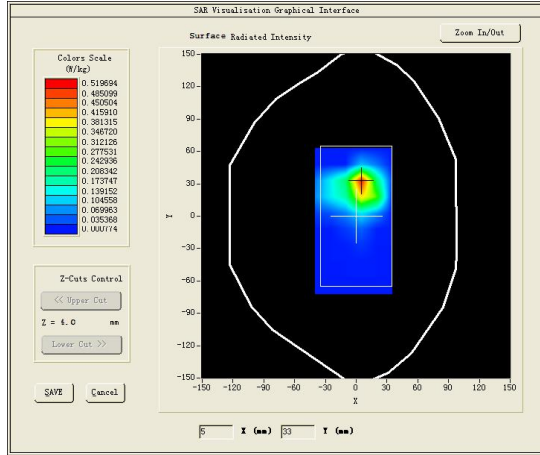
B. SAR Measurement Results

Middle Band SAR (Channel 6):

Frequency (MHz)	2437.000000
Relative permittivity (real part)	52.915798
Relative permittivity (imaginary part)	14.315100
Conductivity (S/m)	1.942082
Variation (%)	1.020000

SURFACE SAR

VOLUME SAR

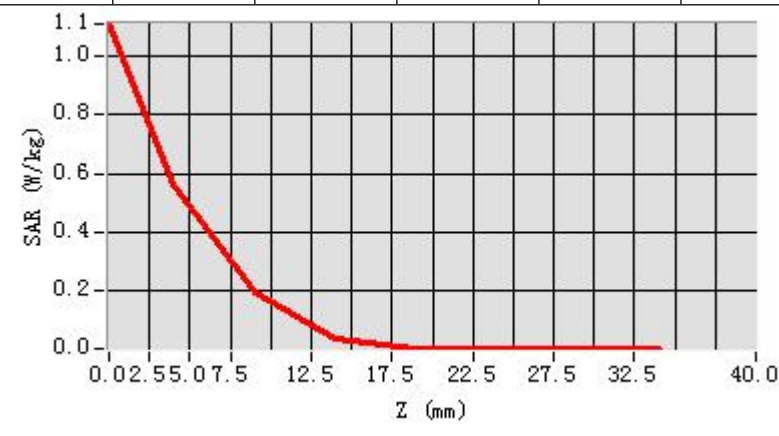


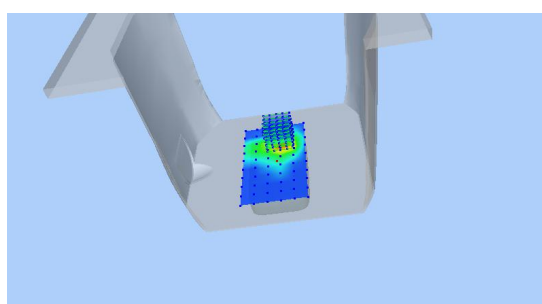
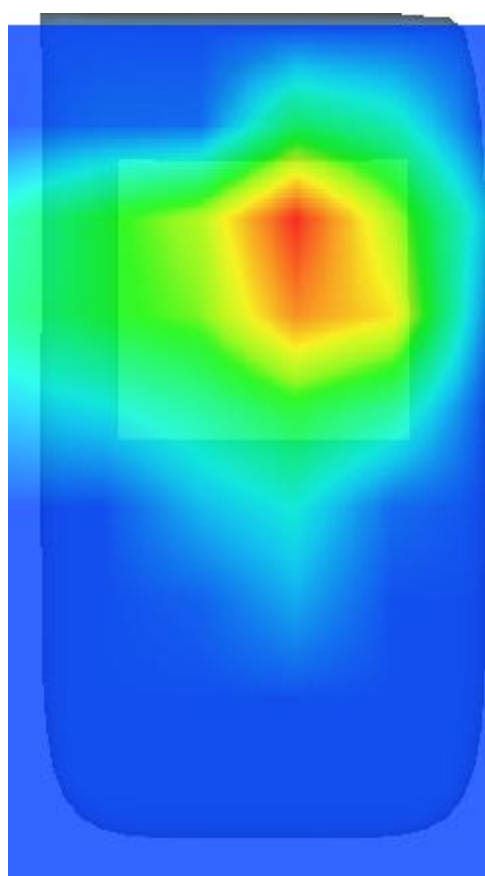
Maximum location: X=5.00, Y=31.00

SAR Peak: 1.24 W/kg

SAR 10g (W/Kg)	0.066194
SAR 1g (W/Kg)	0.143894

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.1113	0.5598	0.1902	0.0360	0.0008	0.0008	0.0008



3D screen shot	Hot spot position
	

MEASUREMENT 14

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 20/8/2016

Measurement duration: 10 minutes 8 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>7x8x7,dx=5mm dy=5mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11b ISM</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>IEEE802.b (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.11</u>

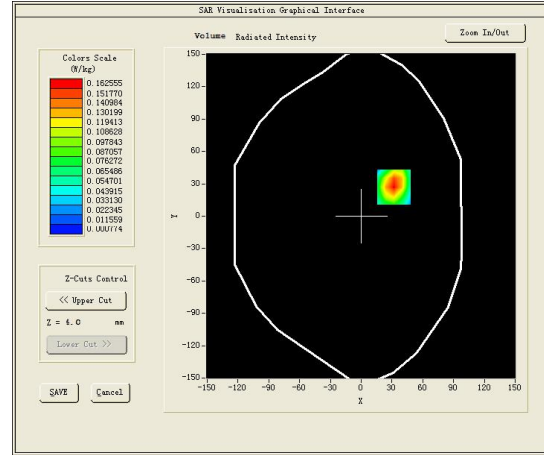
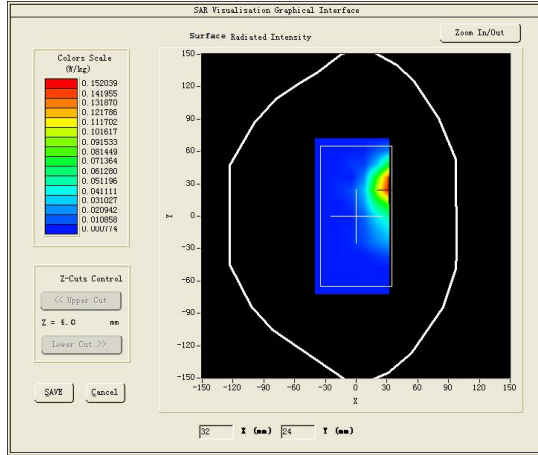
B. SAR Measurement Results

Middle Band SAR (Channel 6):

Frequency (MHz)	2437.000000
Relative permittivity (real part)	52.915798
Relative permittivity (imaginary part)	14.315100
Conductivity (S/m)	1.942082
Variation (%)	2.740000

SURFACE SAR

VOLUME SAR

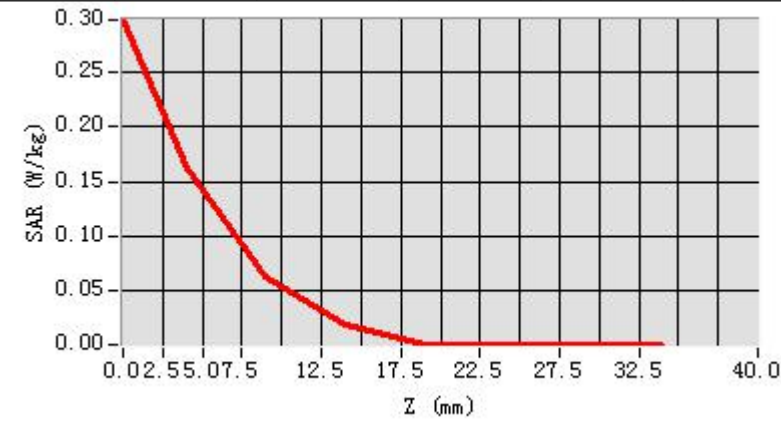


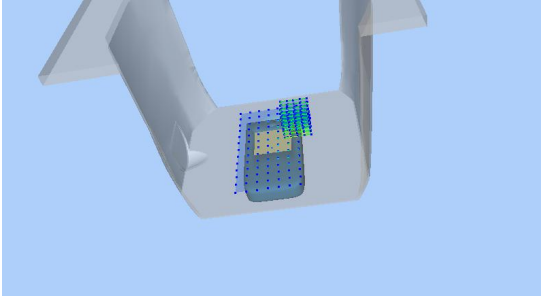
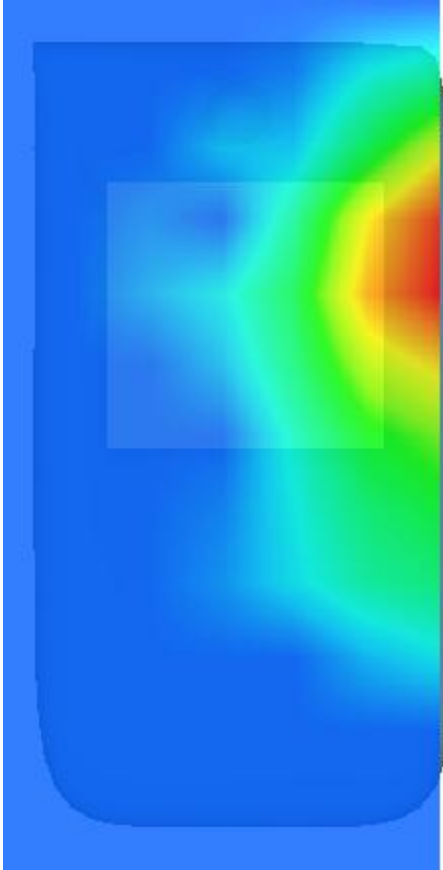
Maximum location: X=32.00, Y=27.00

SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.069950
SAR 1g (W/Kg)	0.167736

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2982	0.1626	0.0634	0.0185	0.0008	0.0008	0.0008



3D screen shot	Hot spot position
	

MEASUREMENT 15

20M-50RB#25

Type: Phone measurement (Complete)

Date of measurement: 24/8/2016

Measurement duration: 9 minutes 32 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>LTE band 2</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.63</u>

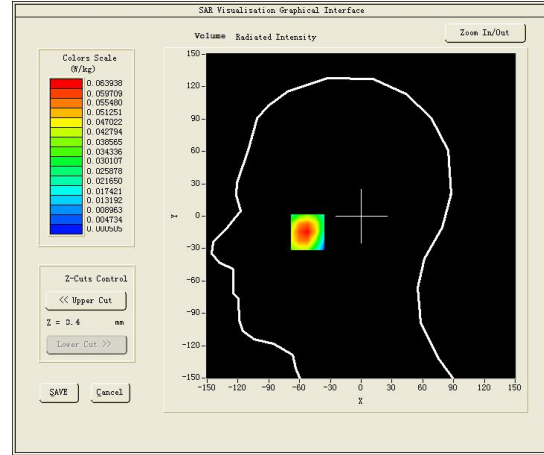
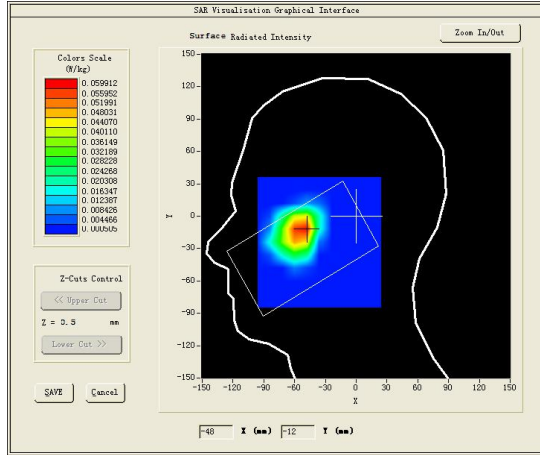
B. SAR Measurement Results

Middle Band SAR (Channel 18900):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.054401
Relative permittivity (imaginary part)	13.497900
Conductivity (S/m)	1.409406
Variation (%)	0.000000

SURFACE SAR

VOLUME SAR

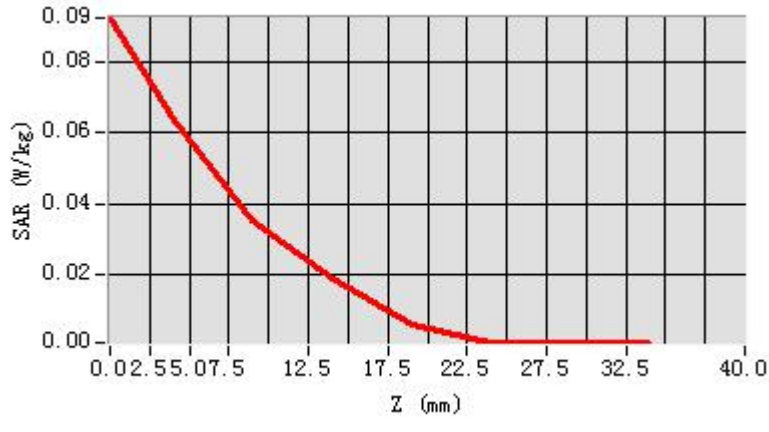


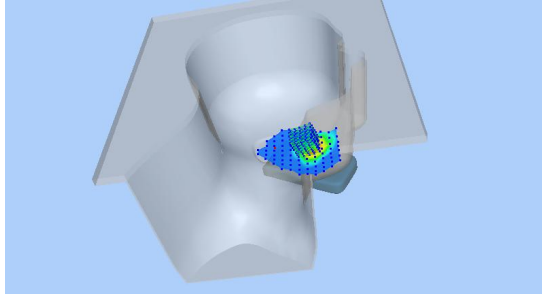
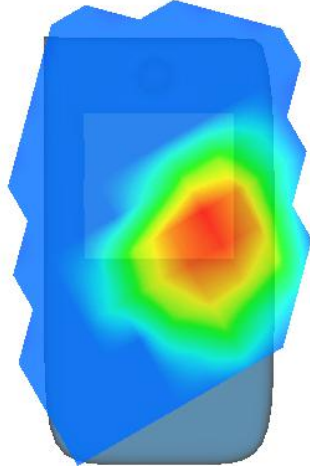
Maximum location: X=-52.00, Y=-13.00

SAR Peak: 0.09 W/kg

SAR 10g (W/Kg)	0.082276
SAR 1g (W/Kg)	0.160247

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0927	0.0639	0.0352	0.0185	0.0054	0.0005	0.0005



3D screen shot	Hot spot position
	

MEASUREMENT 16

Rear-side-20M-1RB#99-middle

Type: Phone measurement (Complete)

Date of measurement: 24/8/2016

Measurement duration: 7 minutes 52 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 2</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

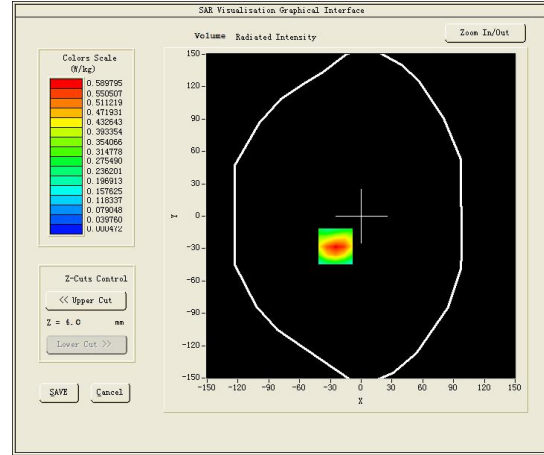
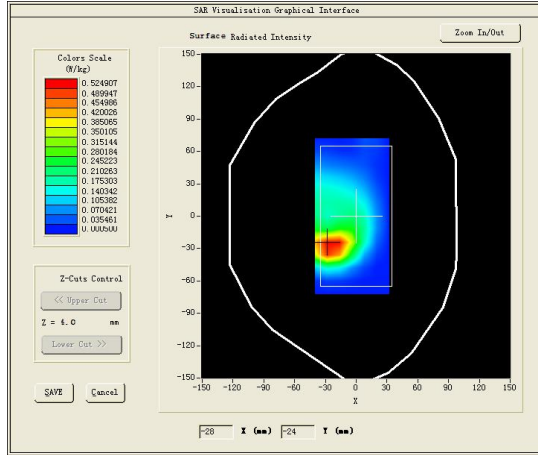
B. SAR Measurement Results

Middle Band SAR (Channel 18900):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	52.254398
Relative permittivity (imaginary part)	14.597900
Conductivity (S/m)	1.524264
Variation (%)	-2.200000

SURFACE SAR

VOLUME SAR

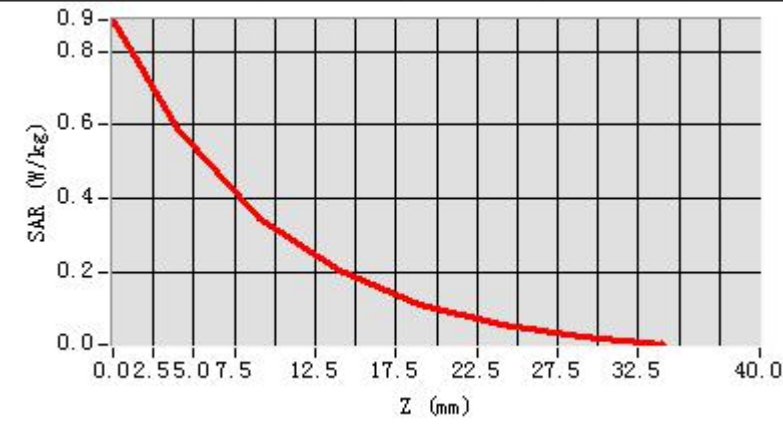


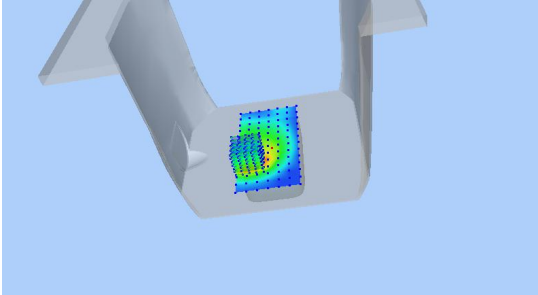
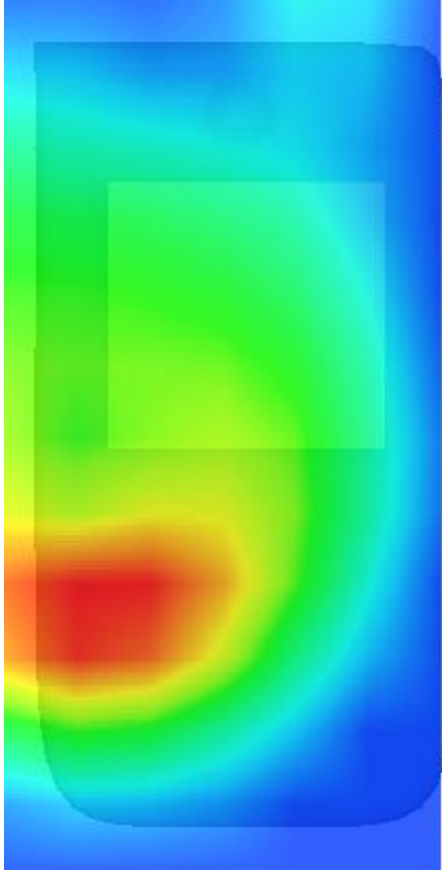
Maximum location: X=-25.00, Y=-28.00

SAR Peak: 0.89 W/kg

SAR 10g (W/Kg)	0.098432
SAR 1g (W/Kg)	0.157919

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8855	0.5898	0.3453	0.2024	0.1120	0.0564	0.0229



3D screen shot	Hot spot position
	

MEASUREMENT 17

Towards- Ground-20M-1RB#99-middle

Type: Phone measurement (Complete)

Date of measurement: 24/8/2016

Measurement duration: 8 minutes 18 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 2</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

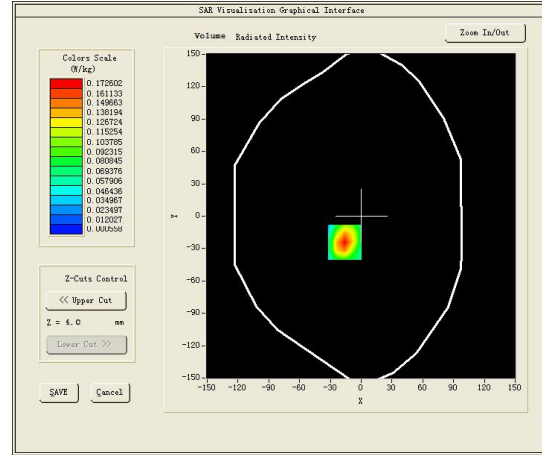
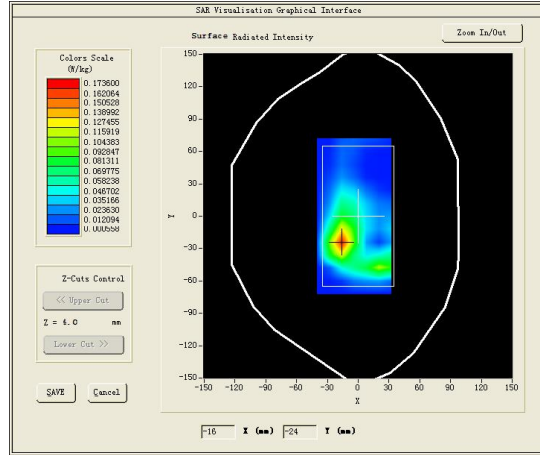
B. SAR Measurement Results

Middle Band SAR (Channel 18900):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	52.254398
Relative permittivity (imaginary part)	14.597900
Conductivity (S/m)	1.524264
Variation (%)	0.110000

SURFACE SAR

VOLUME SAR

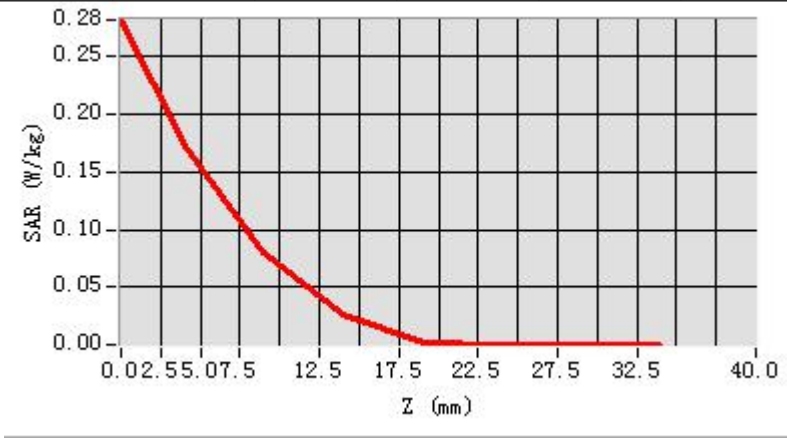


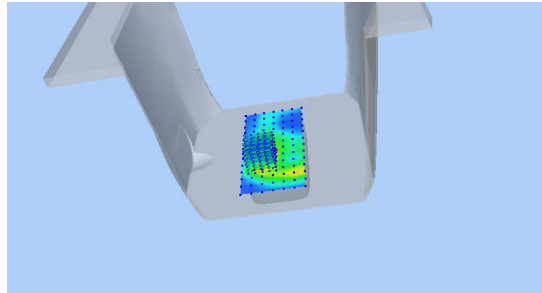
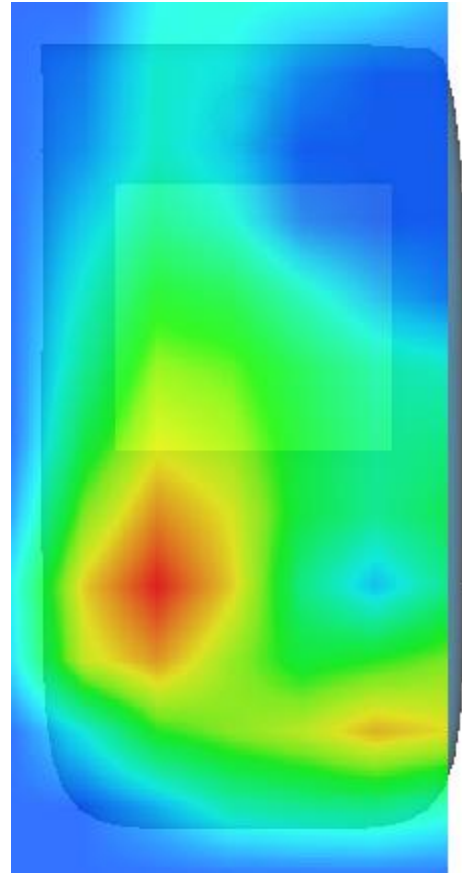
Maximum location: X=-16.00, Y=-24.00

SAR Peak: 0.30 W/kg

SAR 10g (W/Kg)	0.068399
SAR 1g (W/Kg)	0.160054

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2815	0.1726	0.0807	0.0262	0.0022	0.0006	0.0006



3D screen shot	Hot spot position
	

MEASUREMENT 18

20M-50RB#50

Type: Phone measurement (Complete)

Date of measurement: 27/8/2016

Measurement duration: 9 minutes 56 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Right head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>LTE band 3</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.01</u>

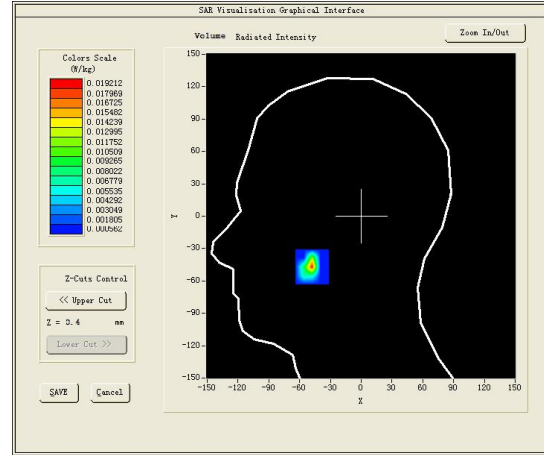
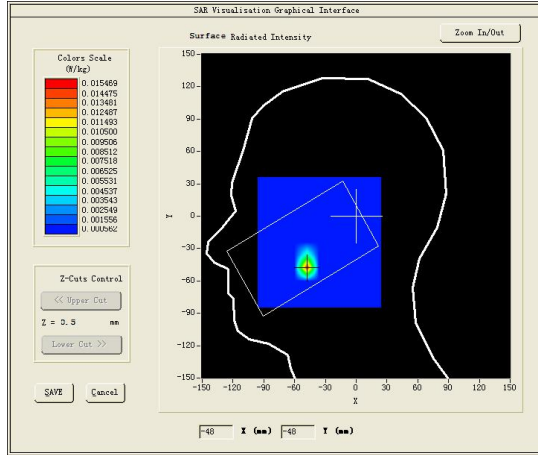
B. SAR Measurement Results

Middle Band SAR (Channel 19575):

Frequency (MHz)	1747.500000
Relative permittivity (real part)	39.696999
Relative permittivity (imaginary part)	14.010100
Conductivity (S/m)	1.359758
Variation (%)	0.000000

SURFACE SAR

VOLUME SAR

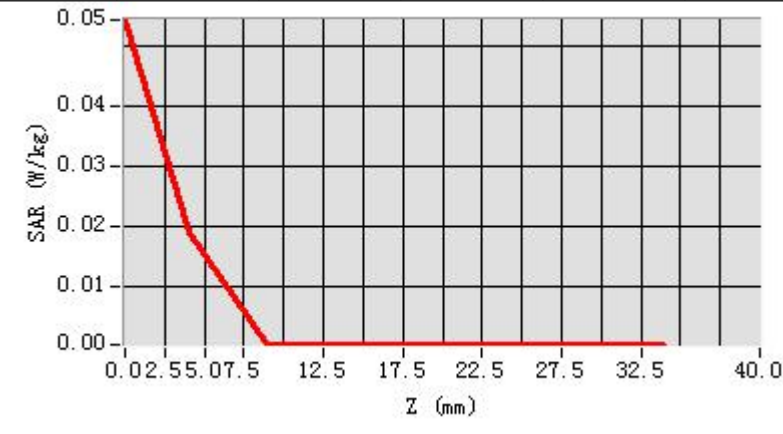


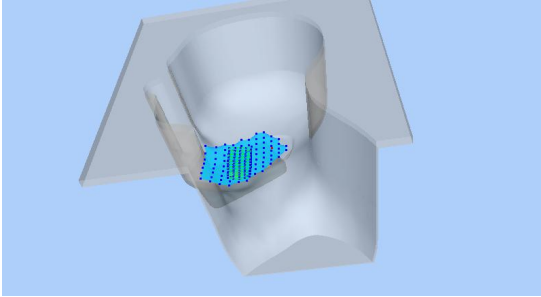
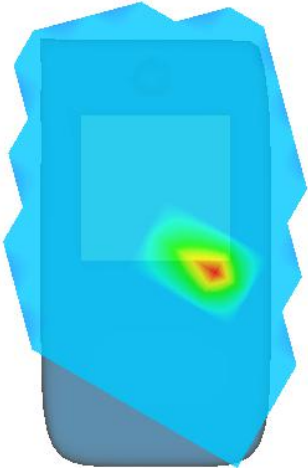
Maximum location: X=-48.00, Y=-47.00

SAR Peak: 0.05 W/kg

SAR 10g (W/Kg)	0.024807
SAR 1g (W/Kg)	0.075150

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0541	0.0192	0.0006	0.0006	0.0006	0.0006	0.0006



3D screen shot	Hot spot position
	

MEASUREMENT 19

Left-edge-20M-50RB#50-middle

Type: Phone measurement (Complete)

Date of measurement: 27/8/2016

Measurement duration: 15 minutes 4 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 3</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.16</u>

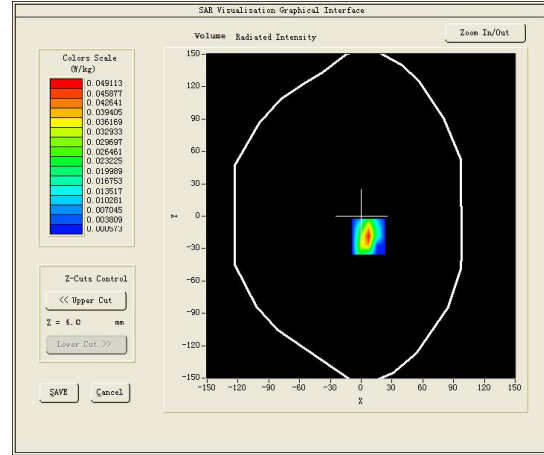
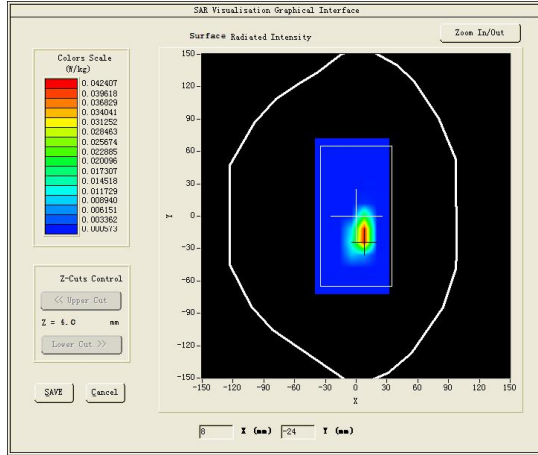
B. SAR Measurement Results

Middle Band SAR (Channel 19575):

Frequency (MHz)	1747.500000
Relative permittivity (real part)	53.248402
Relative permittivity (imaginary part)	14.671700
Conductivity (S/m)	1.423970
Variation (%)	3.740000

SURFACE SAR

VOLUME SAR

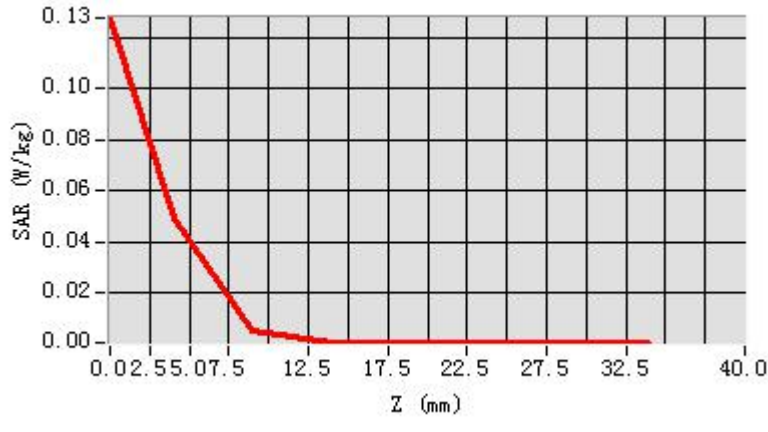


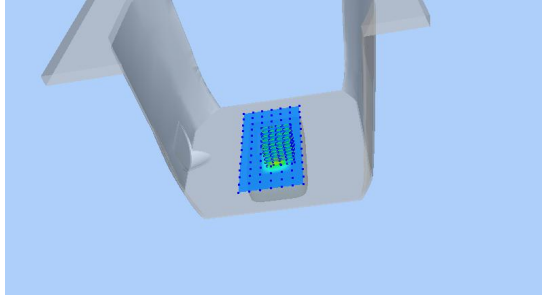
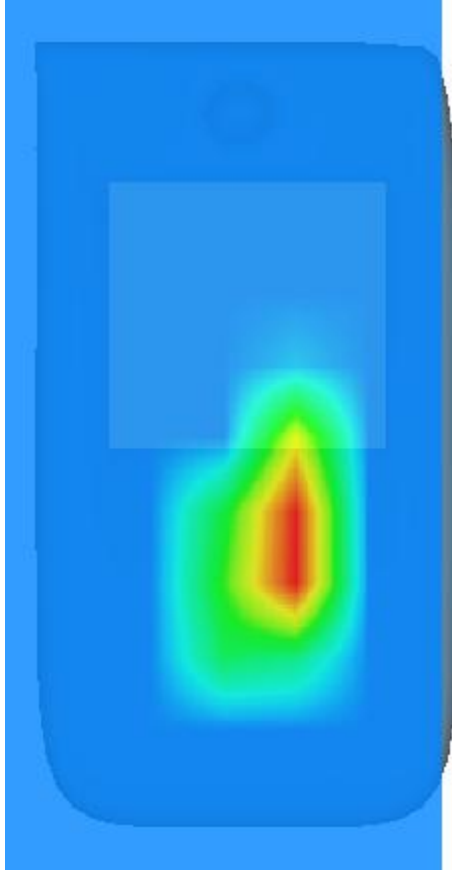
Maximum location: X=7.00, Y=-19.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.084580
SAR 1g (W/Kg)	0.303955

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1277	0.0491	0.0055	0.0006	0.0006	0.0006	0.0006



3D screen shot	Hot spot position
	

MEASUREMENT 20

Towards-ground-20M-1%RB#99-middle

Type: Phone measurement (Complete)

Date of measurement: 27/8/2016

Measurement duration: 11 minutes 14 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 3</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.16</u>

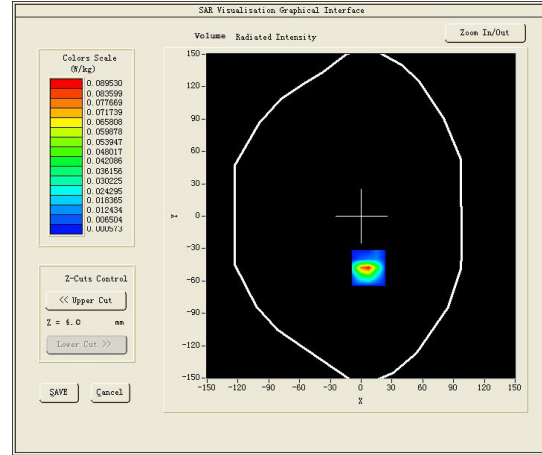
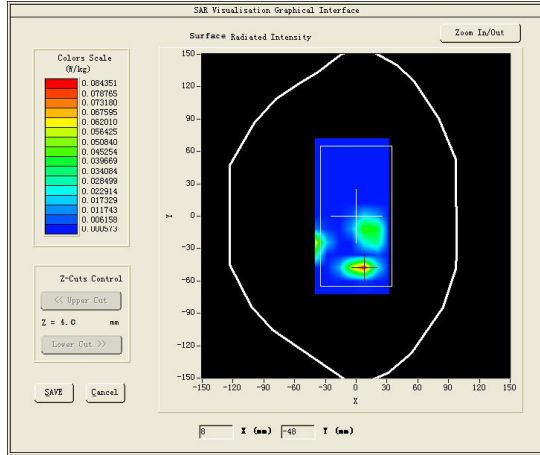
B. SAR Measurement Results

Middle Band SAR (Channel 19575):

Frequency (MHz)	1747.500000
Relative permittivity (real part)	53.248402
Relative permittivity (imaginary part)	14.671700
Conductivity (S/m)	1.423970
Variation (%)	3.930000

SURFACE SAR

VOLUME SAR

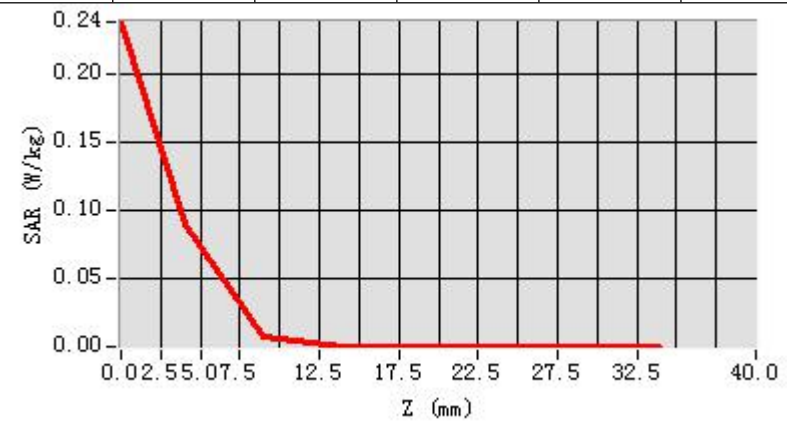


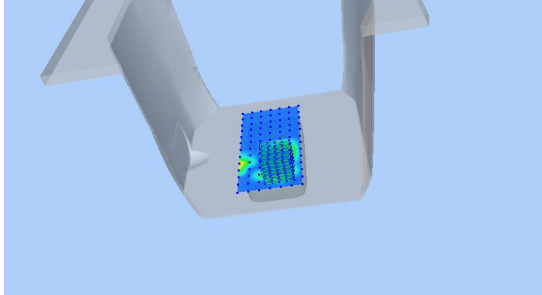
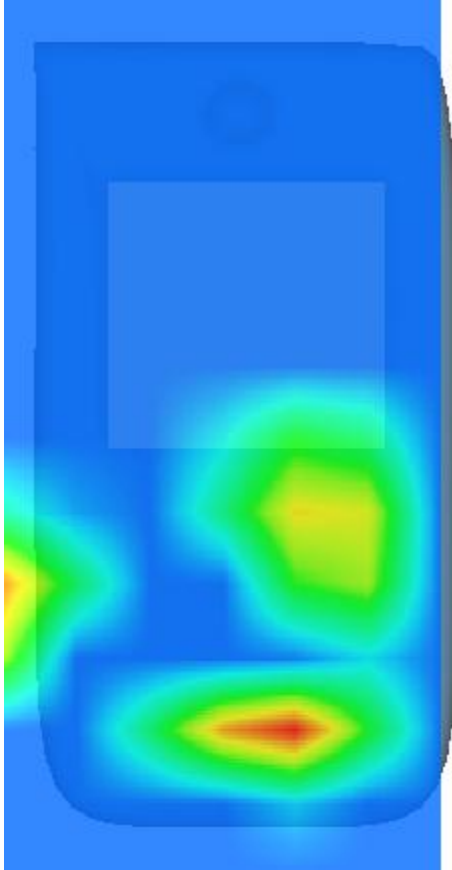
Maximum location: X=7.00, Y=-48.00

SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.021716
SAR 1g (W/Kg)	0.091331

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2379	0.0895	0.0078	0.0006	0.0006	0.0006	0.0006



3D screen shot	Hot spot position
	

MEASUREMENT 21

20M-1RB#99

Type: Phone measurement (Complete)

Date of measurement: 27/8/2016

Measurement duration: 9 minutes 49 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Right head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>LTE band 4</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.01</u>

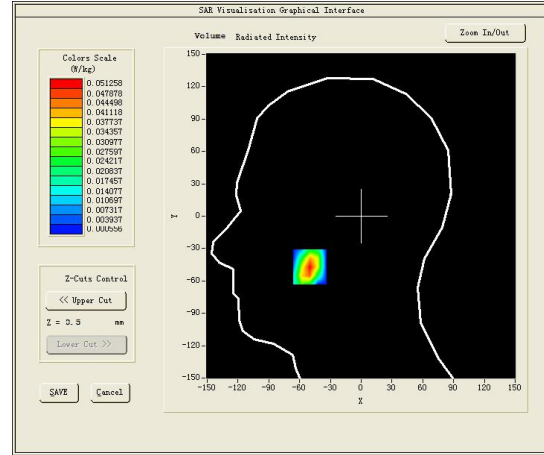
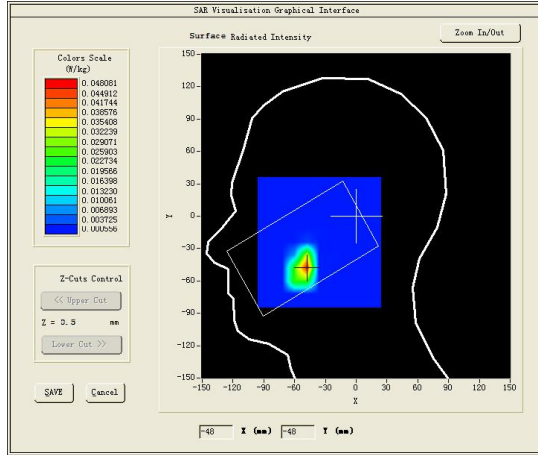
B. SAR Measurement Results

Middle Band SAR (Channel 20175):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	39.739349
Relative permittivity (imaginary part)	13.991050
Conductivity (S/m)	1.346639
Variation (%)	0.000000

SURFACE SAR

VOLUME SAR

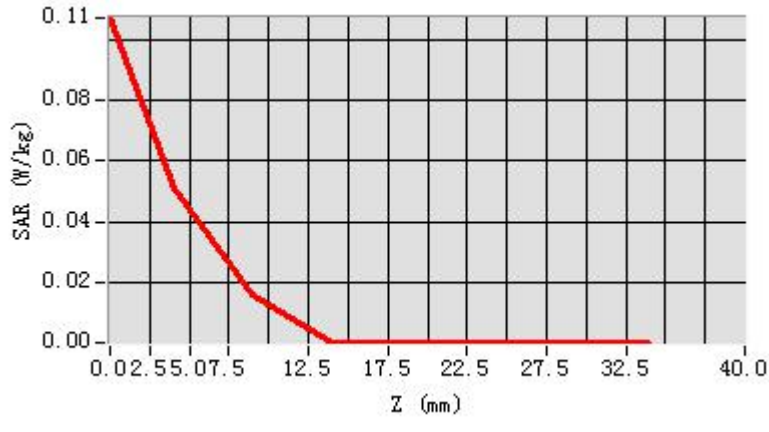


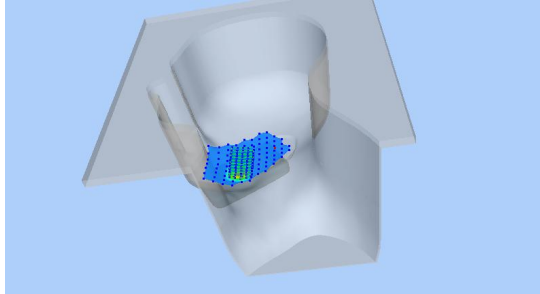
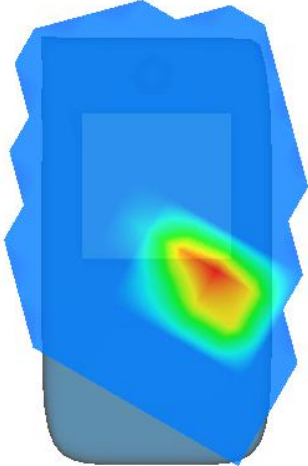
Maximum location: X=-50.00, Y=-47.00

SAR Peak: 0.11 W/kg

SAR 10g (W/Kg)	0.024343
SAR 1g (W/Kg)	0.065602

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1069	0.0513	0.0162	0.0006	0.0006	0.0006	0.0006



3D screen shot	Hot spot position
	

MEASUREMENT 22

Rear-side-20M-1RB#99-middle

Type: Phone measurement (Complete)

Date of measurement: 27/8/2016

Measurement duration: 10 minutes 16 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 4</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.16</u>

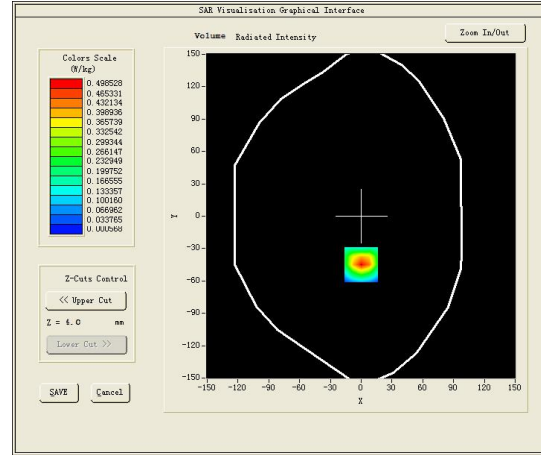
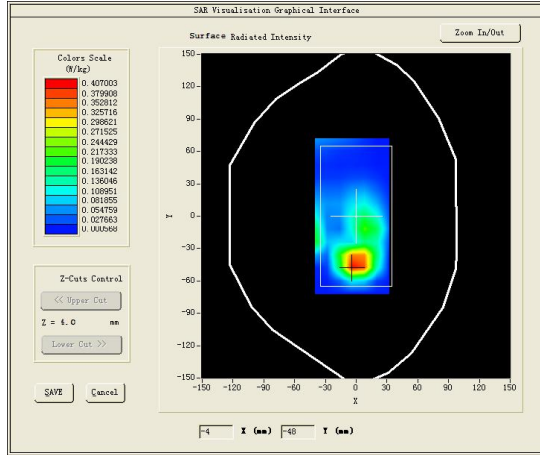
B. SAR Measurement Results

Middle Band SAR (Channel 20175):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	53.306702
Relative permittivity (imaginary part)	14.680750
Conductivity (S/m)	1.413022
Variation (%)	-0.250000

SURFACE SAR

VOLUME SAR

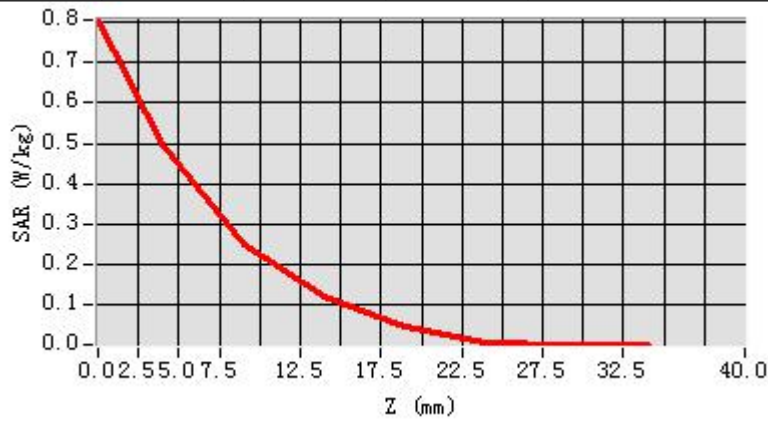


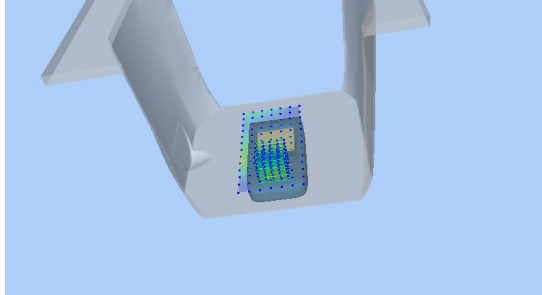
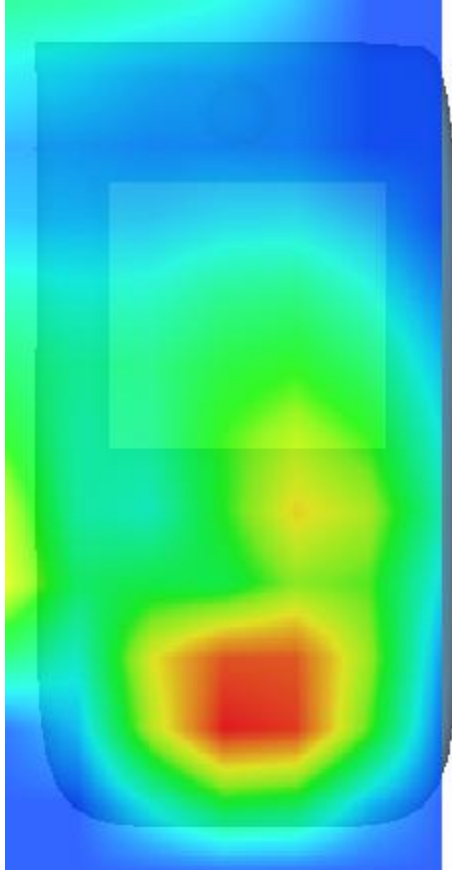
Maximum location: X=0.00, Y=-45.00

SAR Peak: 0.88 W/kg

SAR 10g (W/Kg)	0.213769
SAR 1g (W/Kg)	0.485608

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8064	0.4985	0.2502	0.1200	0.0456	0.0057	0.0006



3D screen shot	Hot spot position
	

MEASUREMENT 23

Towards-ground-20M-1RB#99-middle

Type: Phone measurement (Complete)

Date of measurement: 27/8/2016

Measurement duration: 10 minutes 15 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 4</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.16</u>

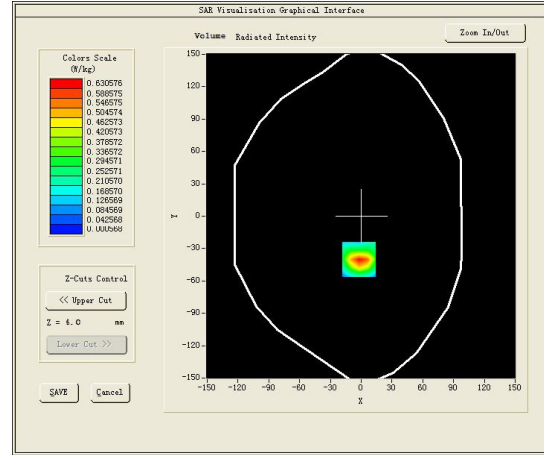
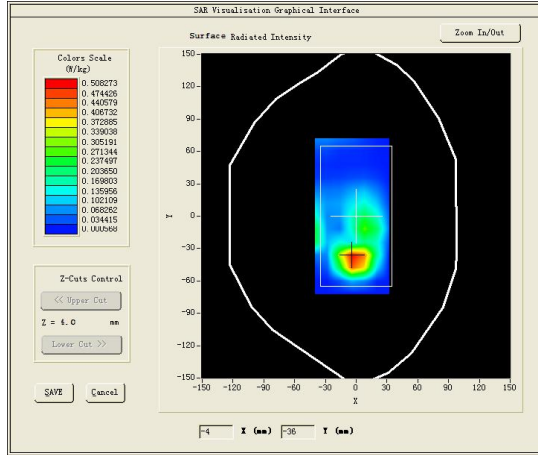
B. SAR Measurement Results

Middle Band SAR (Channel 20175):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	53.306702
Relative permittivity (imaginary part)	14.680750
Conductivity (S/m)	1.413022
Variation (%)	2.250000

SURFACE SAR

VOLUME SAR

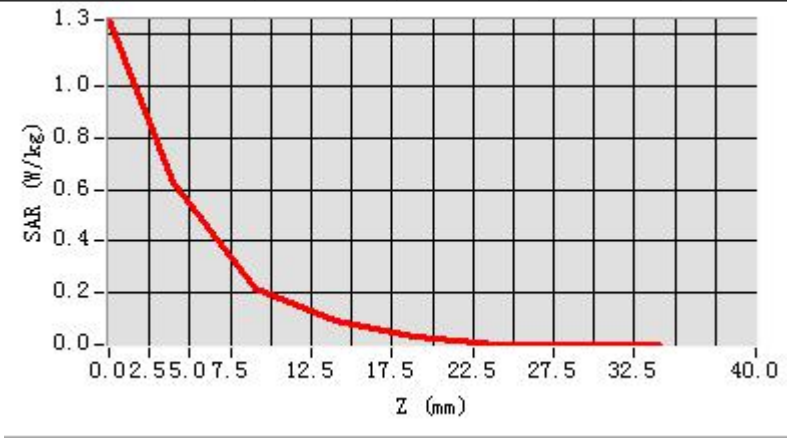


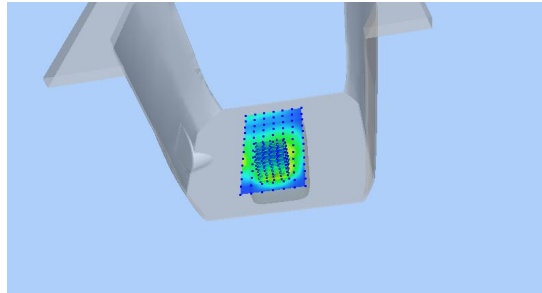
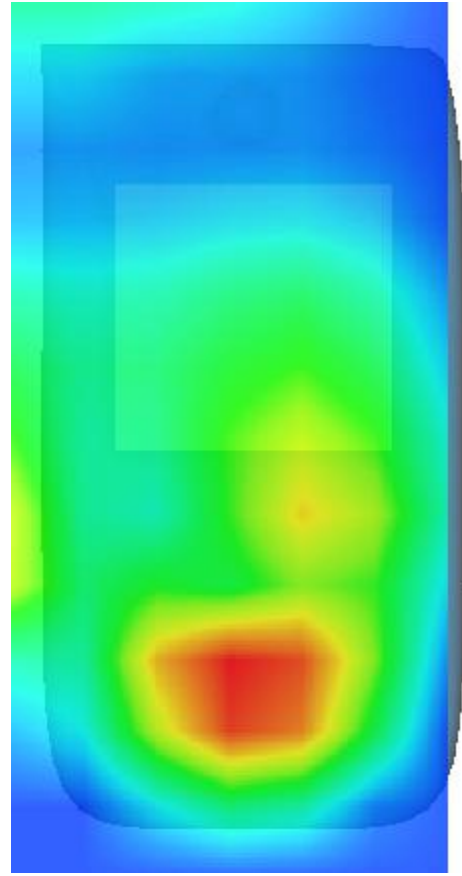
Maximum location: X=-2.00, Y=-40.00

SAR Peak: 1.30 W/kg

SAR 10g (W/Kg)	0.252615
SAR 1g (W/Kg)	0.434132

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.2547	0.6306	0.2184	0.0928	0.0289	0.0032	0.0006



3D screen shot	Hot spot position
	

MEASUREMENT 24

20M-50RB#25

Type: Phone measurement (Complete)

Date of measurement: 29/8/2016

Measurement duration: 11 minutes 44 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>LTE band 7</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>3.92</u>

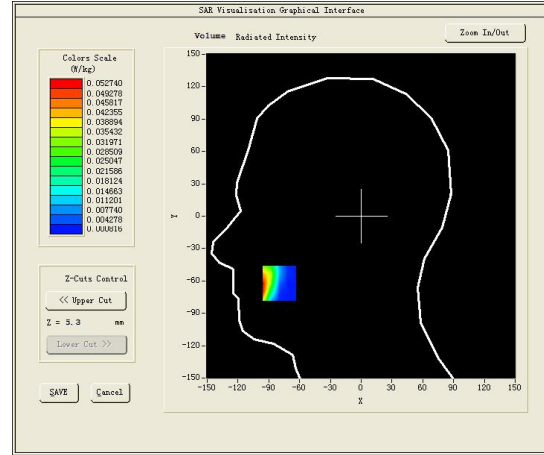
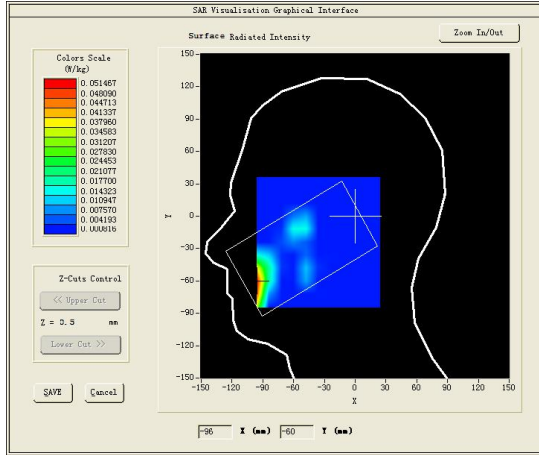
B. SAR Measurement Results

Middle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	39.062801
Relative permittivity (imaginary part)	13.774200
Conductivity (S/m)	1.939867
Variation (%)	0.000000

SURFACE SAR

VOLUME SAR

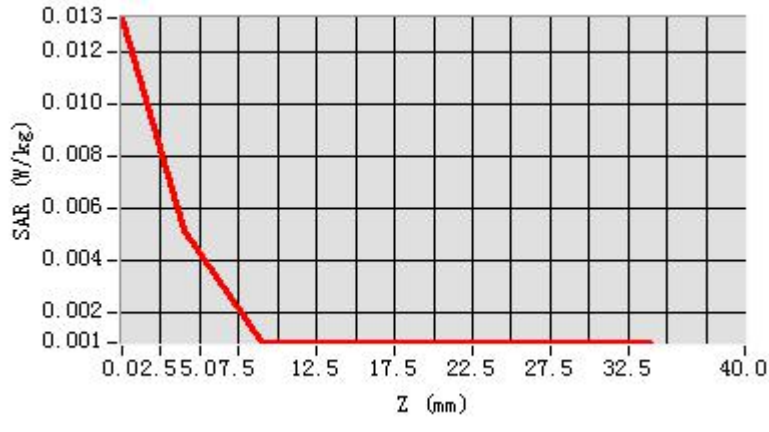


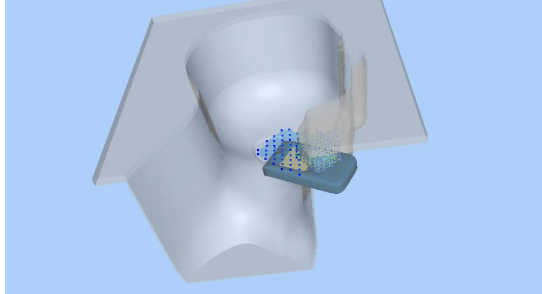
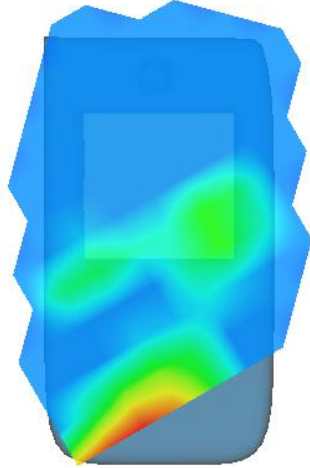
Maximum location: X=-80.00, Y=-62.00

SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.074113
SAR 1g (W/Kg)	0.133824

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0133	0.0052	0.0008	0.0008	0.0008	0.0008	0.0008



3D screen shot	Hot spot position
	

MEASUREMENT 25

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

Type: Phone measurement (Complete)

Date of measurement: 29/8/2016

Measurement duration: 8 minutes 24 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 7</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.07</u>

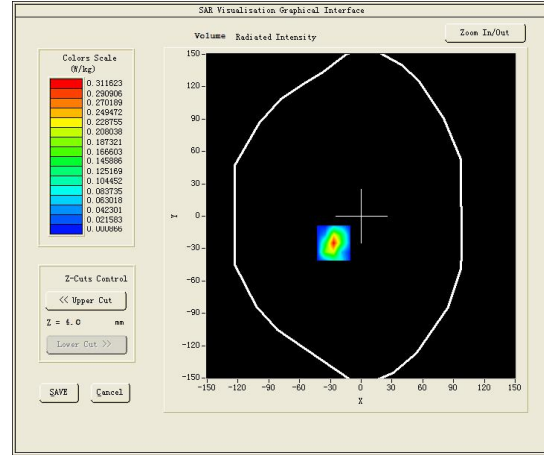
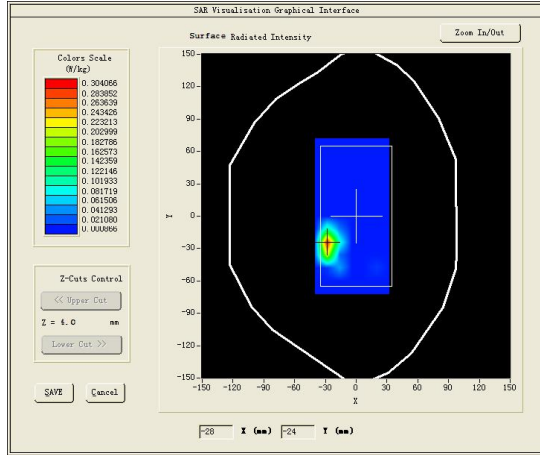
B. SAR Measurement Results

Middle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	52.643902
Relative permittivity (imaginary part)	14.644800
Conductivity (S/m)	2.062476
Variation (%)	0.000000

SURFACE SAR

VOLUME SAR



Maximum location: X=-27.00, Y=-25.00

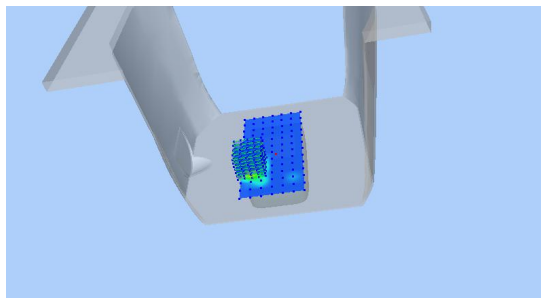
SAR Peak: 0.94 W/kg

SAR 10g (W/Kg)	0.090819
SAR 1g (W/Kg)	0.328583

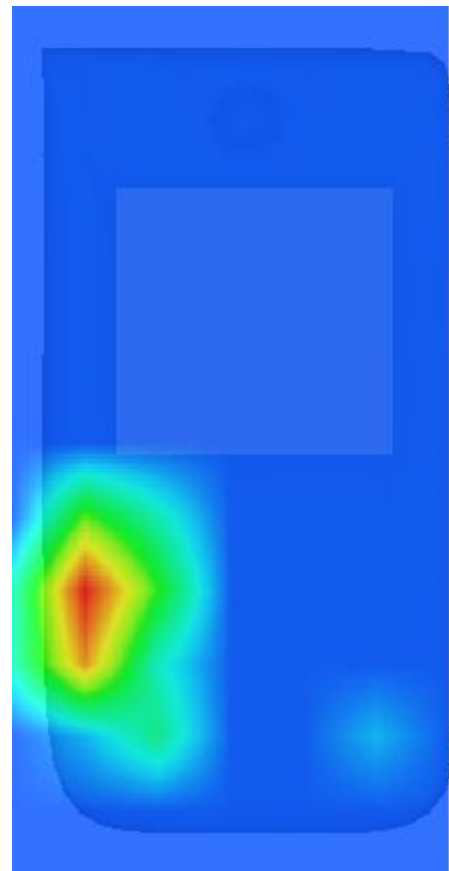
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8935	0.3116	0.0009	0.0009	0.0009	0.0009	0.0009



3D screen shot



Hot spot position



MEASUREMENT 26

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

Type: Phone measurement (Complete)

Date of measurement: 29/8/2016

Measurement duration: 8 minutes 11 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 7</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>
<u>Conversion factor</u>	<u>4.07</u>

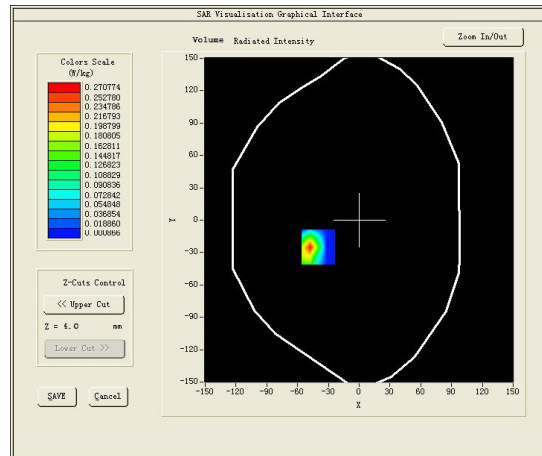
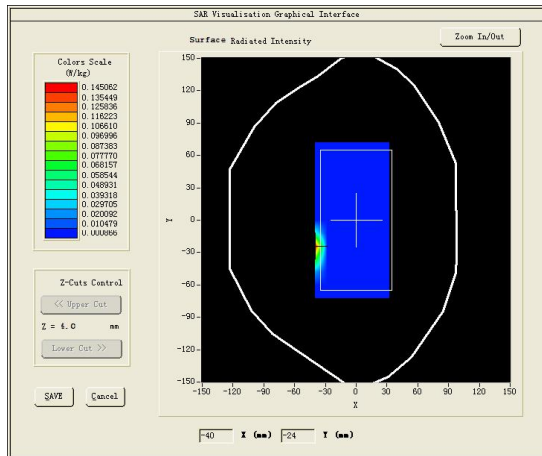
B. SAR Measurement Results

Middle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	52.643902
Relative permittivity (imaginary part)	14.644800
Conductivity (S/m)	2.062476
Variation (%)	0.000000

SURFACE SAR

VOLUME SAR

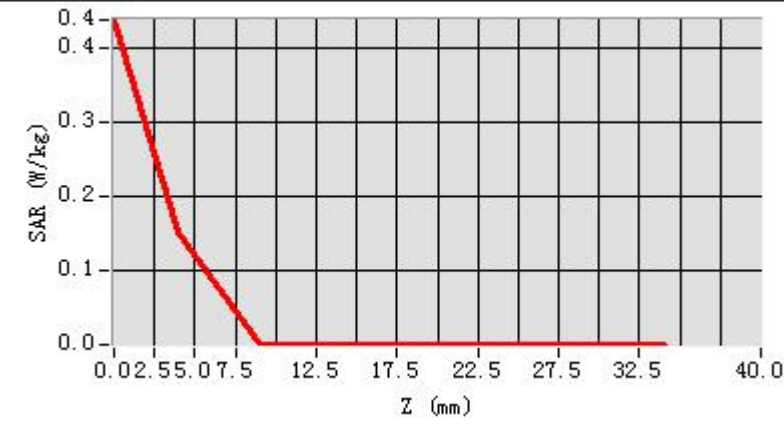


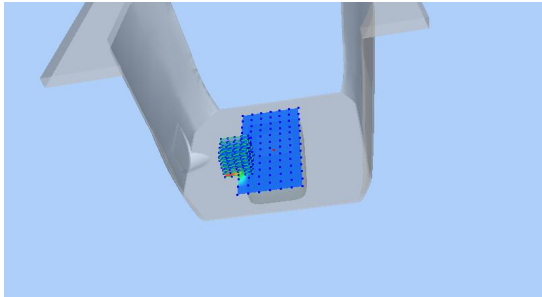
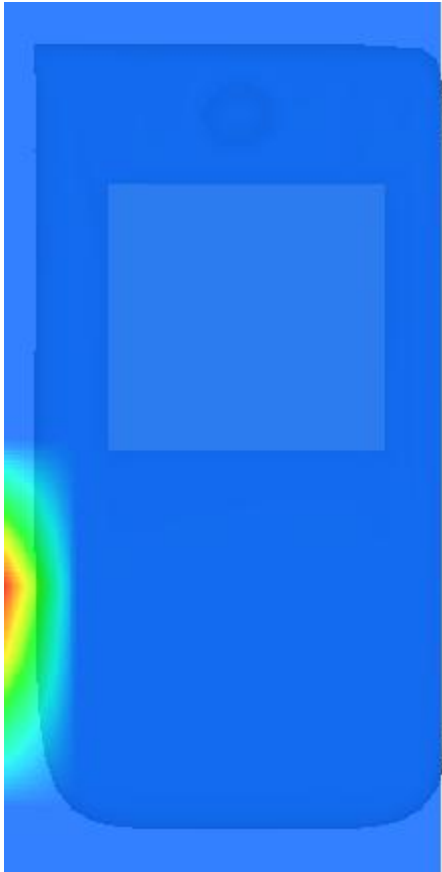
Maximum location: X=-40.00, Y=-25.00

SAR Peak: 0.79 W/kg

SAR 10g (W/Kg)	0.085025
SAR 1g (W/Kg)	0.283249

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4379	0.1530	0.0009	0.0009	0.0009	0.0009	0.0009



3D screen shot	Hot spot position
	

MEASUREMENT 27

Rear-side-middle

Type: Phone measurement (Complete)

Date of measurement: 19/8/2016

Measurement duration: 9 minutes 31 seconds

A. Experimental conditions.

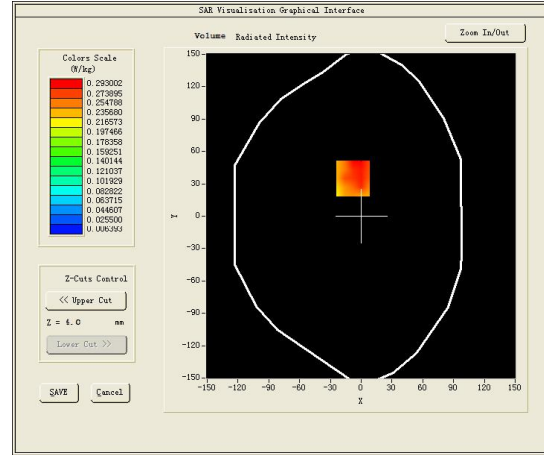
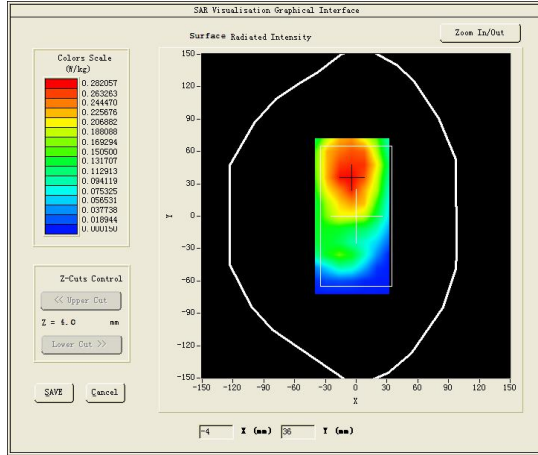
<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS850 4Tx)</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>5.07</u>

B. SAR Measurement Results

Frequency (MHz)	836.599976
Relative permittivity (real part)	53.395020
Relative permittivity (imaginary part)	21.690760
Conductivity (S/m)	1.008138
Variation (%)	-3.230000

SURFACE SAR

VOLUME SAR

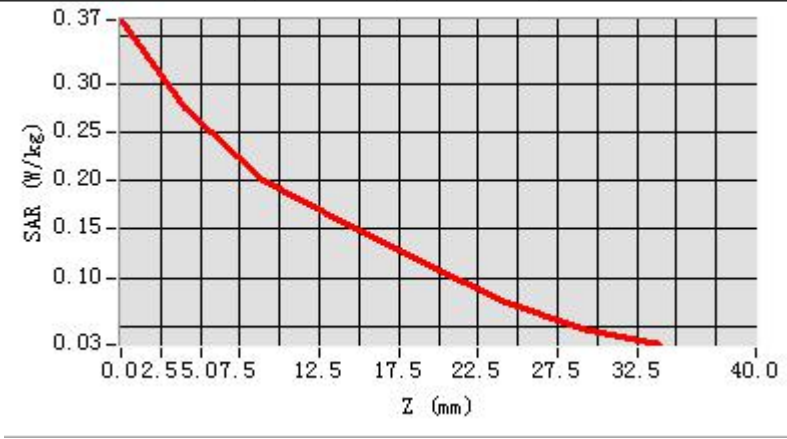


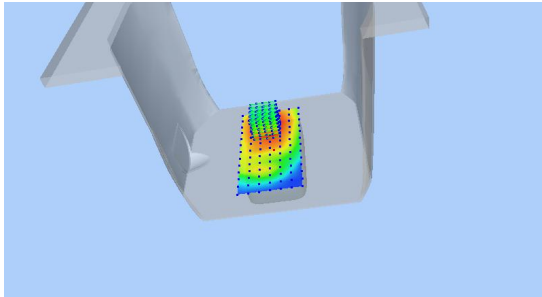
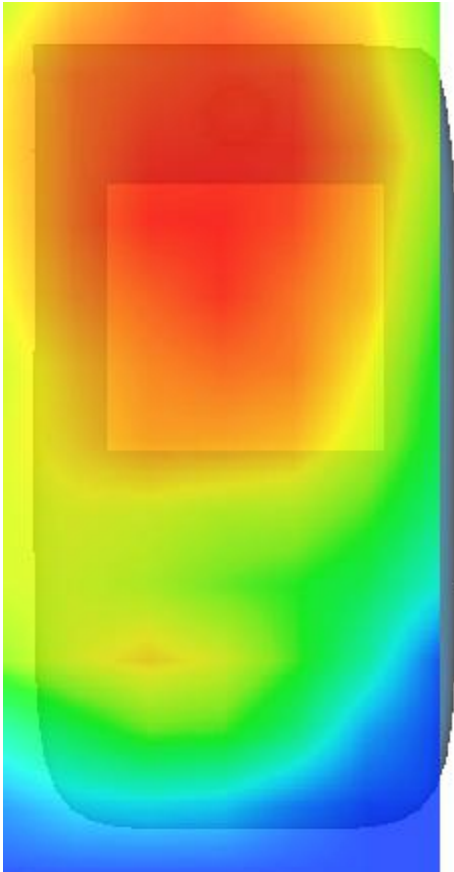
Maximum location: X=-8.00, Y=35.00

SAR Peak: 0.40 W/kg

SAR 10g (W/Kg)	0.201941
SAR 1g (W/Kg)	0.291580

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3671	0.2766	0.2019	0.1580	0.1147	0.0762	0.0473



3D screen shot	Hot spot position
	

MEASUREMENT 28

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 19/8/2016

Measurement duration: 9 minutes 30 seconds

A. Experimental conditions.

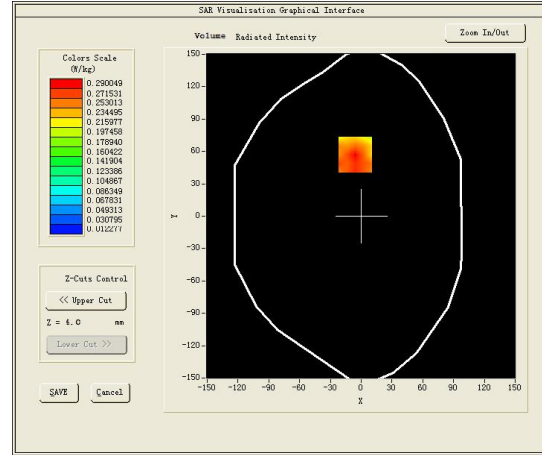
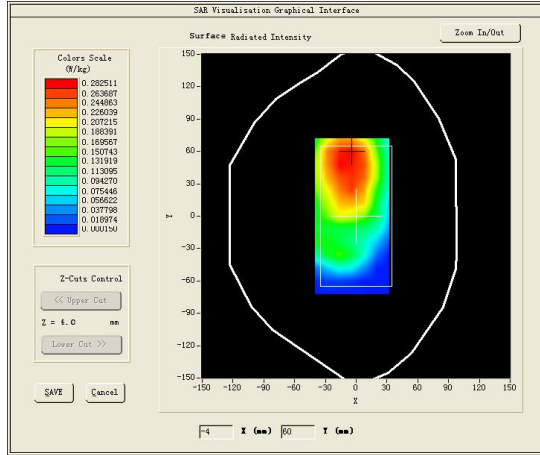
<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS850 4Tx)</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>5.07</u>

B. SAR Measurement Results

Frequency (MHz)	836.599976
Relative permittivity (real part)	53.395020
Relative permittivity (imaginary part)	21.690760
Conductivity (S/m)	1.008138
Variation (%)	2.570000

SURFACE SAR

VOLUME SAR

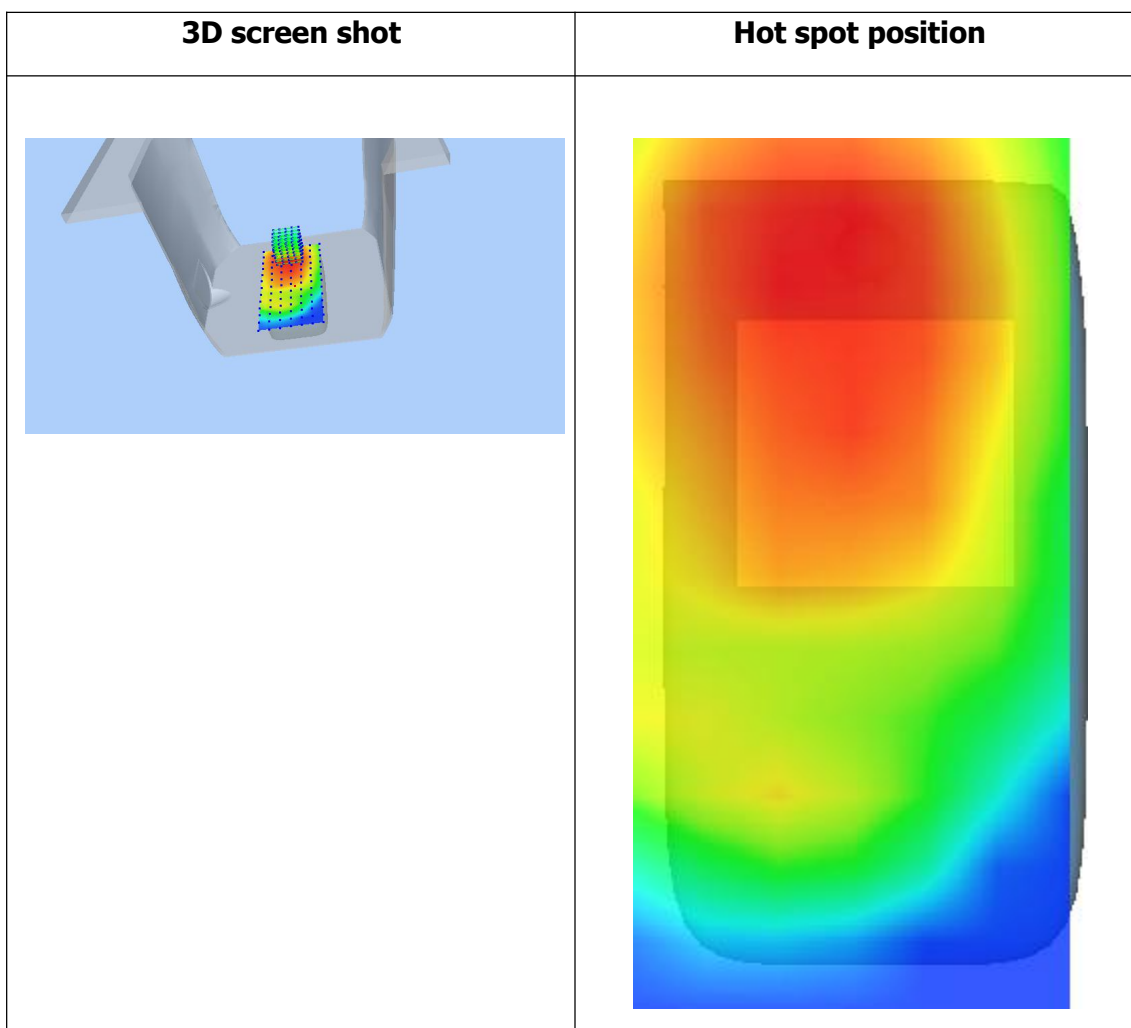
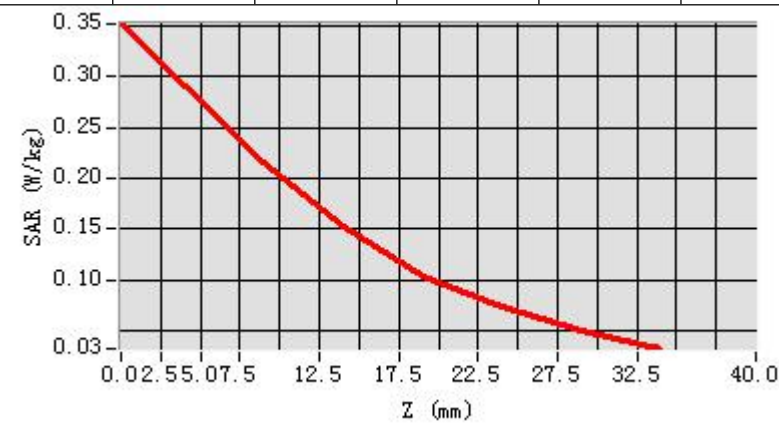


Maximum location: X=-6.00, Y=57.00

SAR Peak: 0.38 W/kg

SAR 10g (W/Kg)	0.197240
SAR 1g (W/Kg)	0.277387

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3522	0.2900	0.2161	0.1526	0.1039	0.0743	0.0503



MEASUREMENT 29

Front-side-middle

Type: Phone measurement (Complete)

Date of measurement: 24/8/2016

Measurement duration: 9 minutes 48 seconds

A. Experimental conditions.

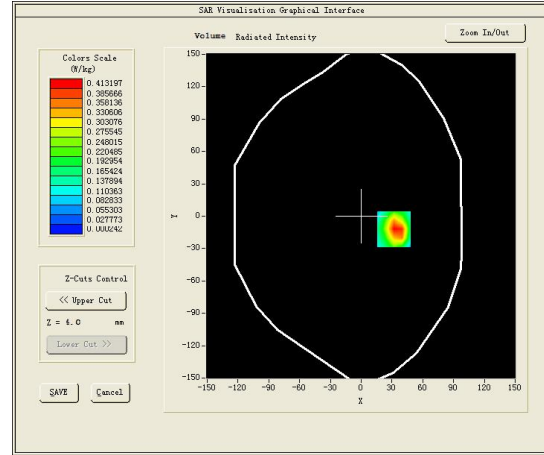
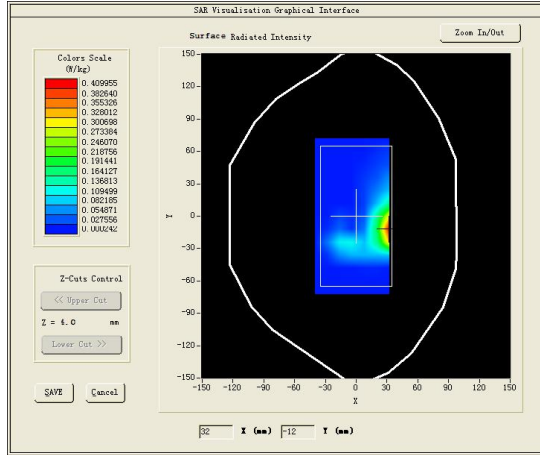
<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS1900 4Tx)</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

B. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.000000
Relative permittivity (imaginary part)	13.408000
Conductivity (S/m)	1.400391
Variation (%)	2.620000

SURFACE SAR

VOLUME SAR

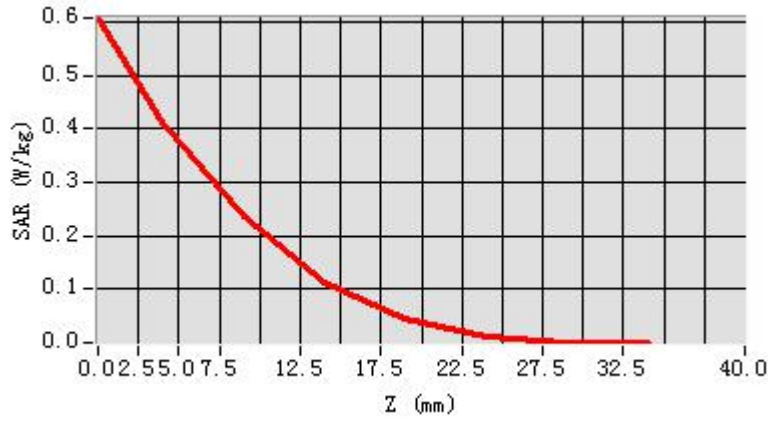


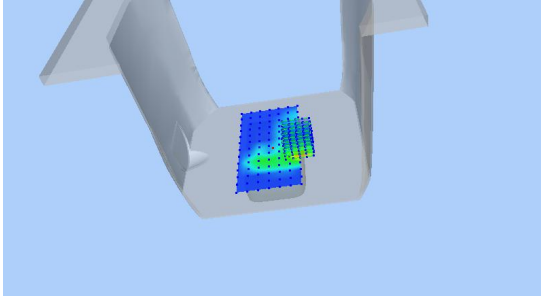
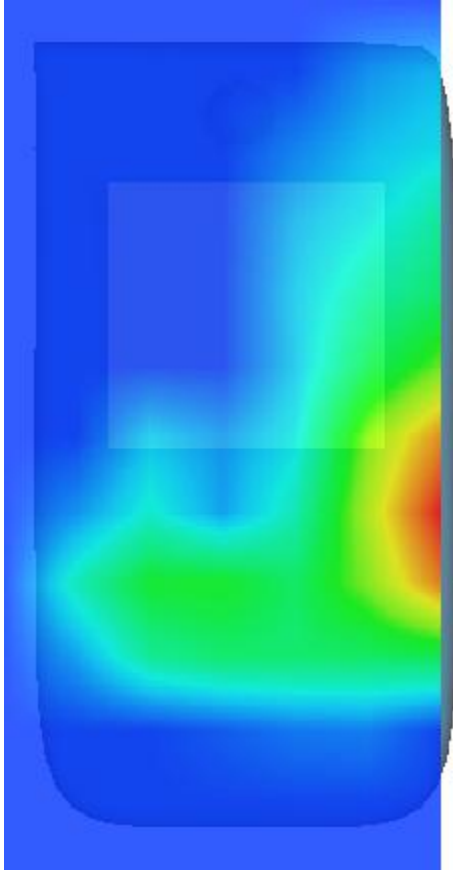
Maximum location: X=32.00, Y=-12.00

SAR Peak: 0.68 W/kg

SAR 10g (W/Kg)	0.185955
SAR 1g (W/Kg)	0.399976

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6069	0.4132	0.2365	0.1126	0.0469	0.0128	0.0007



3D screen shot	Hot spot position
	

MEASUREMENT 30

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 24/8/2016

Measurement duration: 8 minutes 3 seconds

A. Experimental conditions.

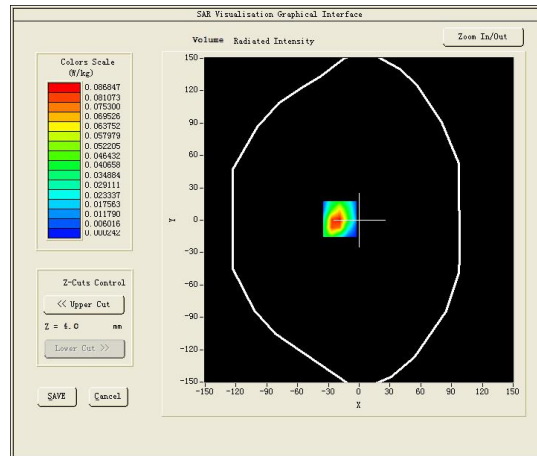
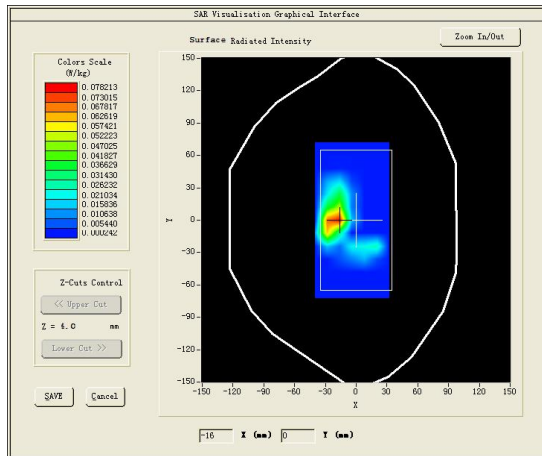
<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>CUSTOM (GPRS1900 4Tx)</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>
<u>Conversion factor</u>	<u>4.78</u>

B. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative permittivity (real part)	52.254398
Relative permittivity (imaginary part)	14.597900
Conductivity (S/m)	1.524670
Variation (%)	1.980000

SURFACE SAR

VOLUME SAR

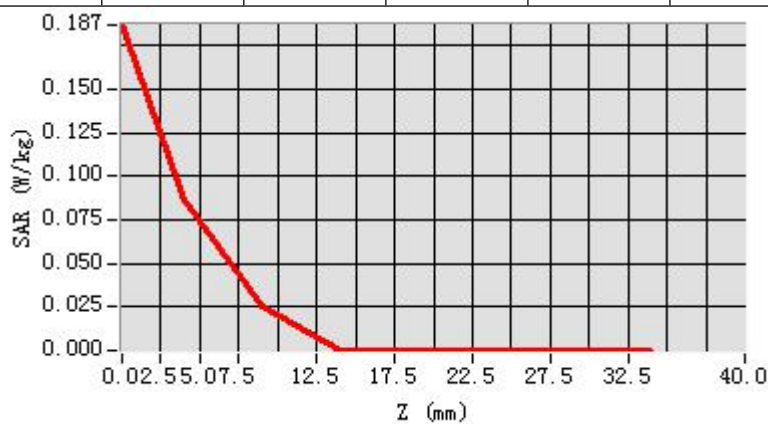


Maximum location: X=-19.00, Y=1.00

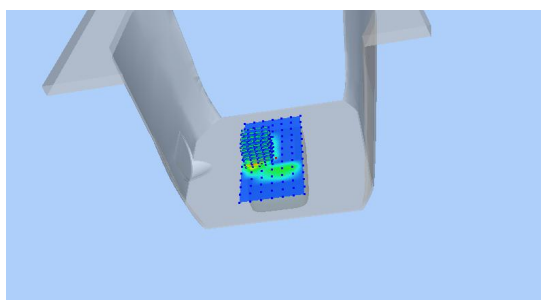
SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.030252
SAR 1g (W/Kg)	0.097066

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1866	0.0868	0.0251	0.0002	0.0002	0.0002	0.0002



3D screen shot



Hot spot position

