



Annex B: Measurement Results

Tested Model: X5

**Report Number:
FCC17030156A-6**

MEASUREMENT 1

Type: Phone measurement (Complete)

Date of measurement: 30/3/2017

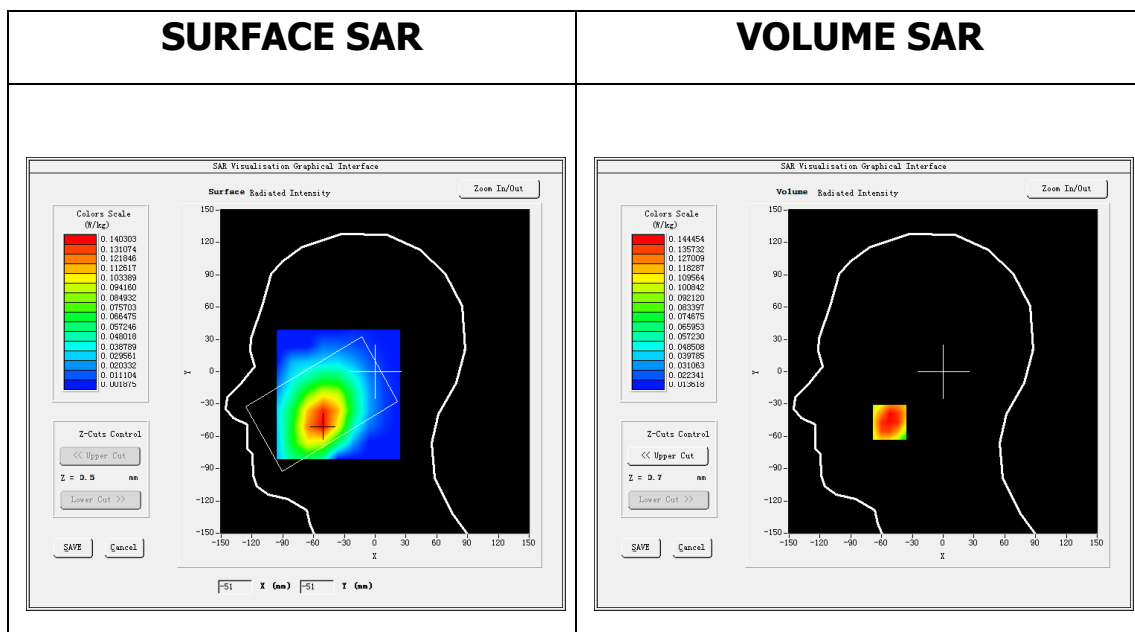
Measurement duration: 9 minutes 19 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<u>Phantom</u>	<u>Right head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>CUSTOM (GPRS850 4Tx)</u>
<u>Channels</u>	<u>Low</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

Frequency (MHz)	824.200012
Relative permittivity (real part)	40.336941
Relative permittivity (imaginary part)	19.790300
Conductivity (S/m)	0.906176
Variation (%)	-1.330000

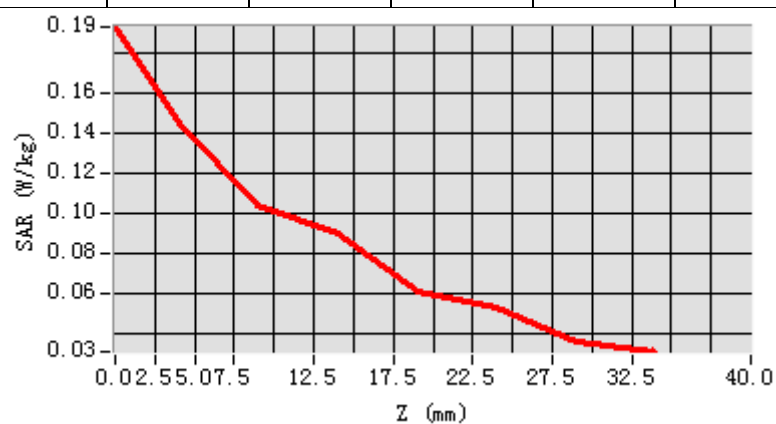


Maximum location: X=-52.00, Y=-47.00

SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.102878
SAR 1g (W/Kg)	0.141526

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1927	0.1445	0.1036	0.0894	0.0603	0.0526	0.0360



3D screen shot	Hot spot position

MEASUREMENT 2

Towards-ground-low

Type: Phone measurement (Complete)

Date of measurement: 30/3/2017

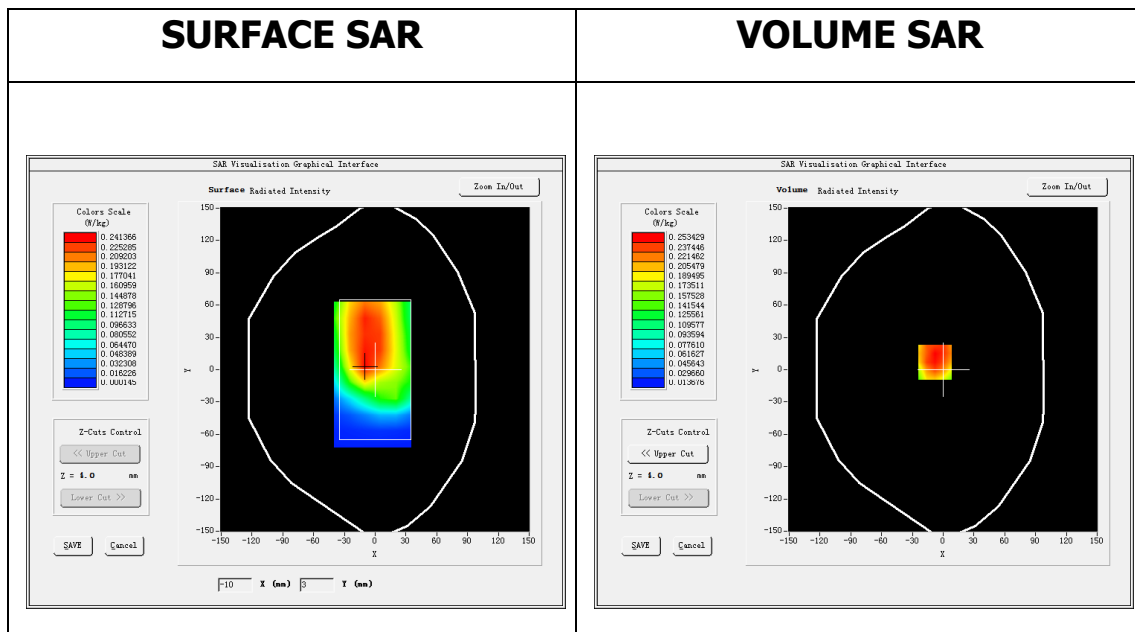
Measurement duration: 8 minutes 43 seconds

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>Low</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)	824.200012
Relative permittivity (real part)	54.022579
Relative permittivity (imaginary part)	21.248079
Conductivity (S/m)	0.972926
Variation (%)	0.780000

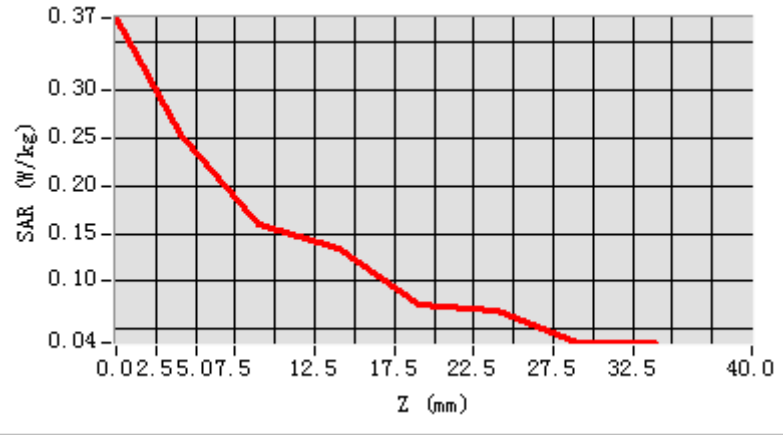


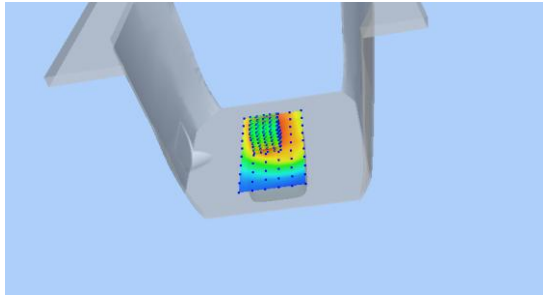
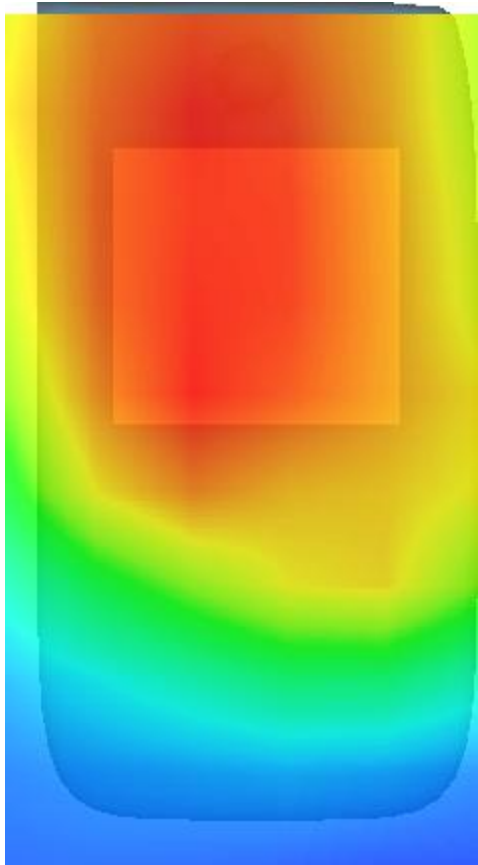
Maximum location: X=-8.00, Y=7.00

SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.171547
SAR 1g (W/Kg)	0.246102

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3742	0.2534	0.1604	0.1341	0.0754	0.0691	0.0364



3D screen shot	Hot spot position
	

MEASUREMENT 3

Rear-side-low

Type: Phone measurement (Complete)

Date of measurement: 30/3/2017

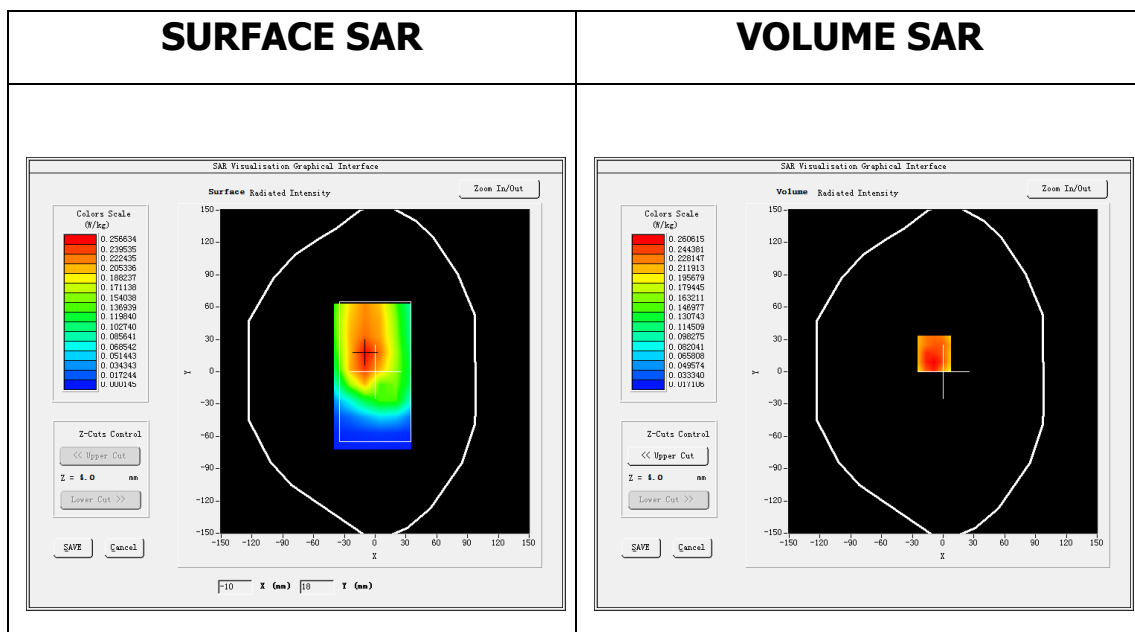
Measurement duration: 8 minutes 32 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</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>Low</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)	824.200012
Relative permittivity (real part)	54.022579
Relative permittivity (imaginary part)	21.248079
Conductivity (S/m)	0.972926
Variation (%)	1.290000

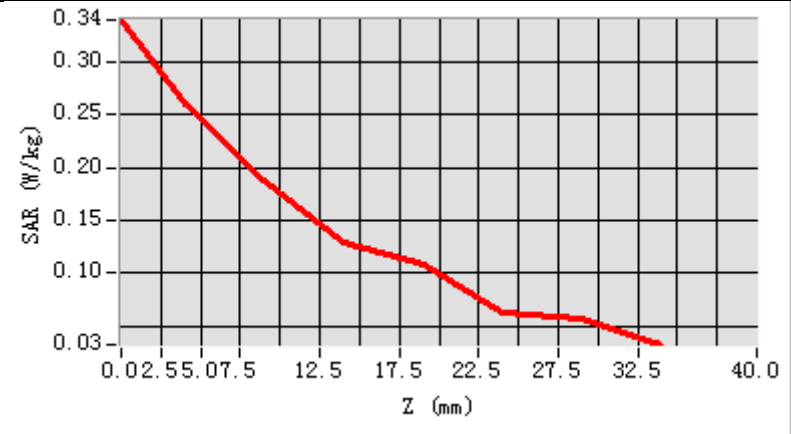


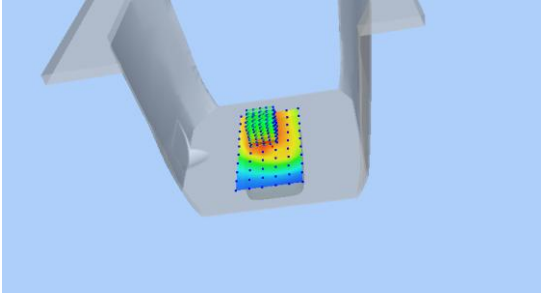
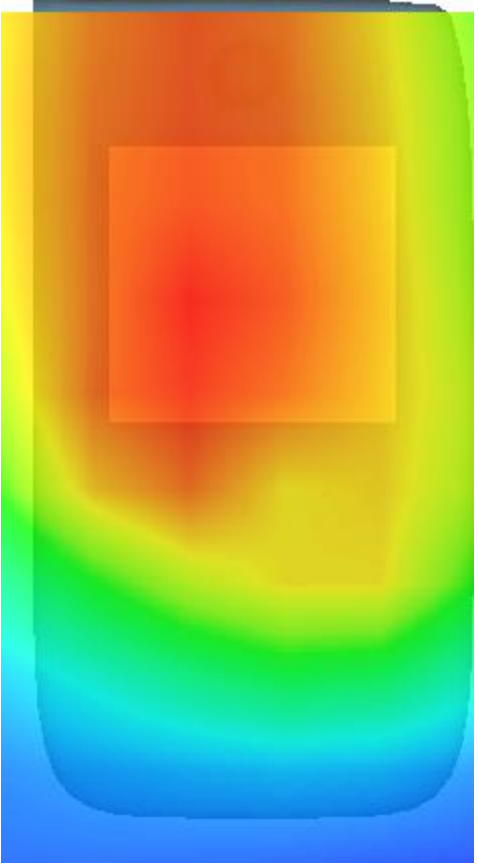
Maximum location: X=-9.00, Y=17.00

SAR Peak: 0.36 W/kg

SAR 10g (W/Kg)	0.178308
SAR 1g (W/Kg)	0.256456

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3391	0.2606	0.1879	0.1289	0.1075	0.0631	0.0575



3D screen shot	Hot spot position
	

MEASUREMENT 4

Type: Phone measurement (Complete)

Date of measurement: 29/3/2017

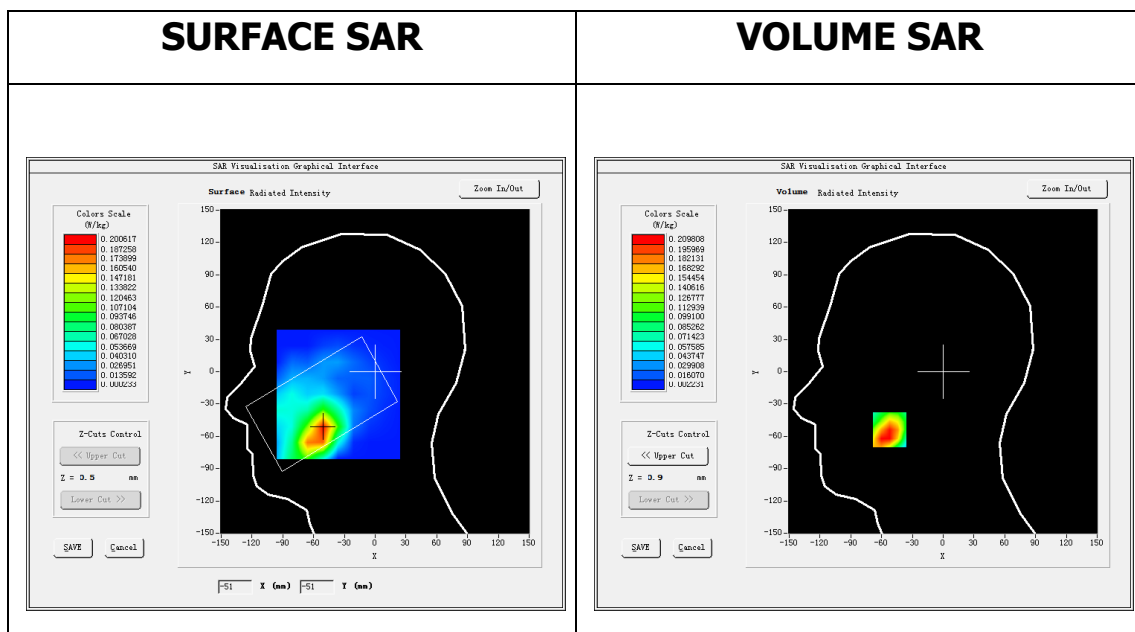
Measurement duration: 9 minutes 33 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<u>Phantom</u>	<u>Left 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

Frequency (MHz)	1880.000000
Relative permittivity (real part)	39.914200
Relative permittivity (imaginary part)	13.434300
Conductivity (S/m)	1.403138
Variation (%)	-3.900000

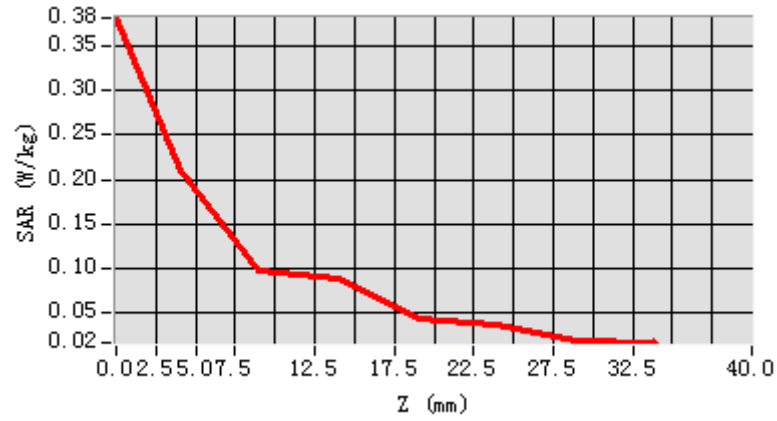


Maximum location: X=-52.00, Y=-54.00

SAR Peak: 0.32 W/kg

SAR 10g (W/Kg)	0.120242
SAR 1g (W/Kg)	0.206112

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3817	0.2098	0.0976	0.0875	0.0440	0.0378	0.0178



3D screen shot	Hot spot position

MEASUREMENT 5

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 29/3/2017

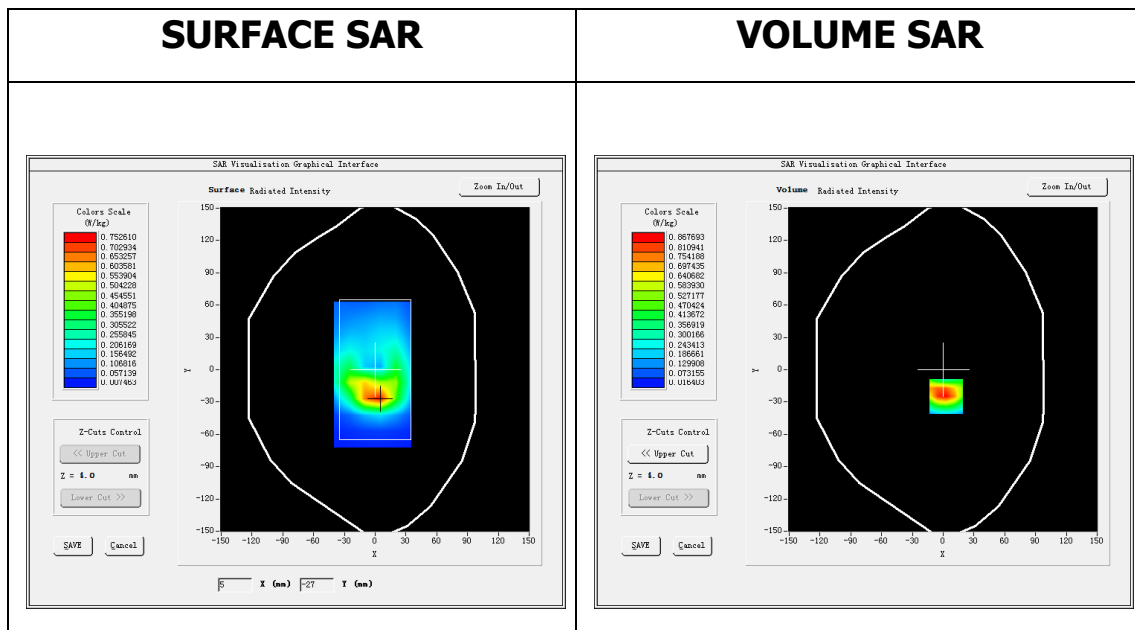
Measurement duration: 10 minutes 23 seconds

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 (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)	53.356098
Relative permittivity (imaginary part)	14.668600
Conductivity (S/m)	1.532054
Variation (%)	-1.540000

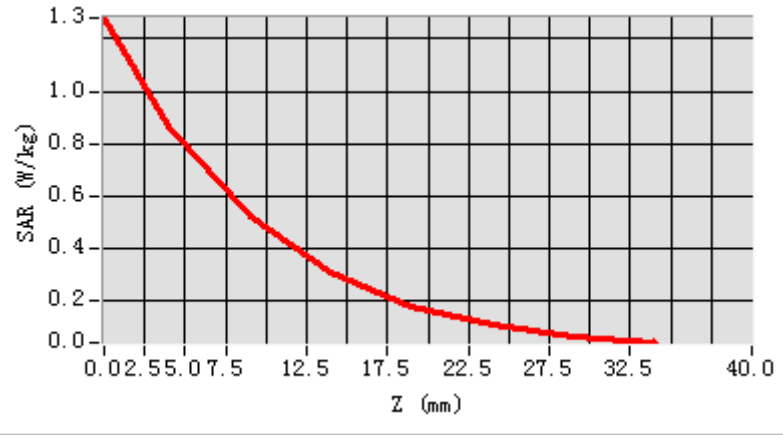


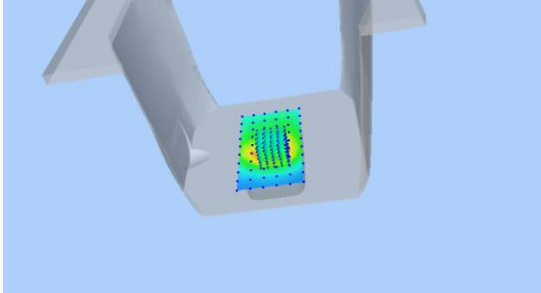
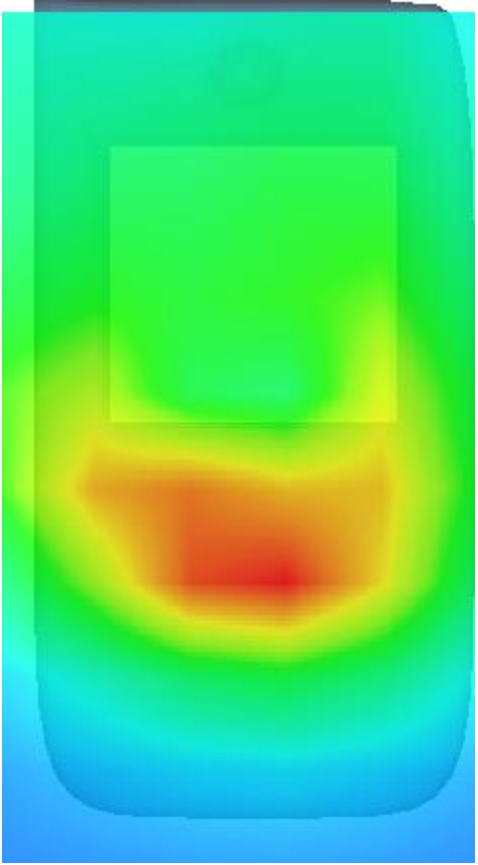
Maximum location: X=3.00, Y=-25.00

SAR Peak: 1.14 W/kg

SAR 10g (W/Kg)	0.301470
SAR 1g (W/Kg)	0.555418

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.2804	0.8677	0.5197	0.3031	0.1795	0.1051	0.0639



3D screen shot	Hot spot position
	

MEASUREMENT 6

Bottom-side-middle

Type: Phone measurement (Complete)

Date of measurement: 29/3/2017

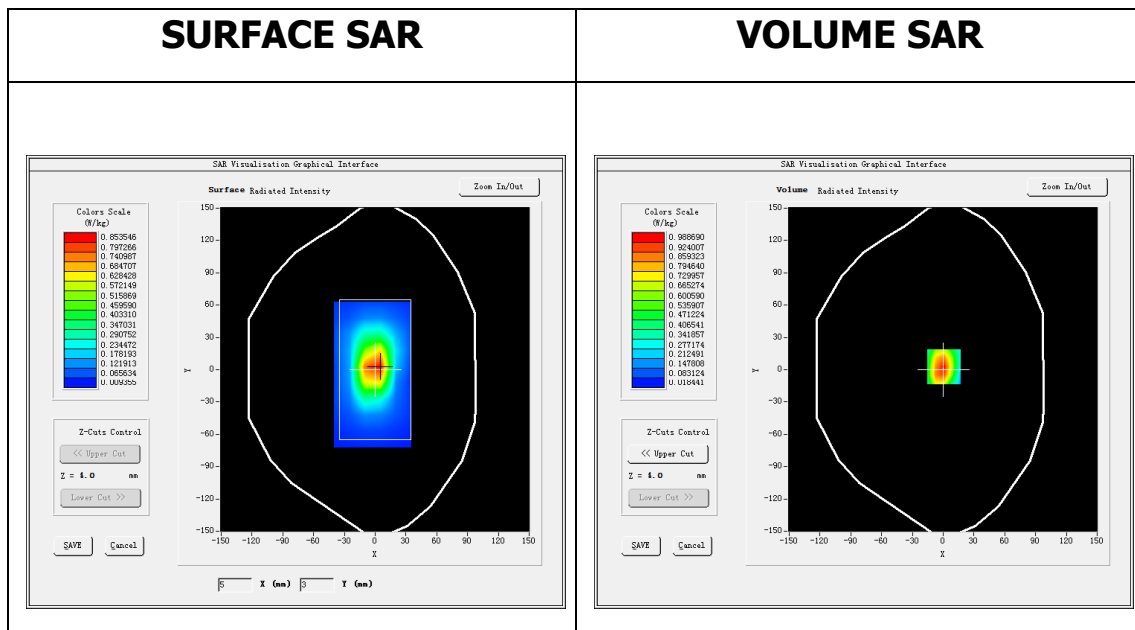
Measurement duration: 10 minutes 13 seconds

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 (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)	53.356098
Relative permittivity (imaginary part)	14.668600
Conductivity (S/m)	1.532054
Variation (%)	1.760000

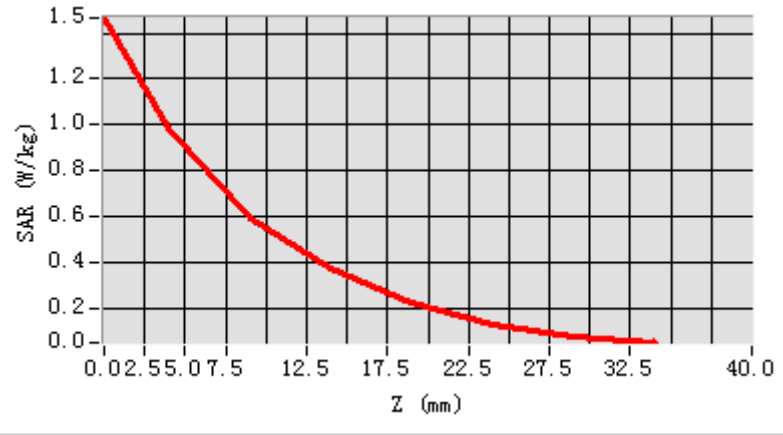


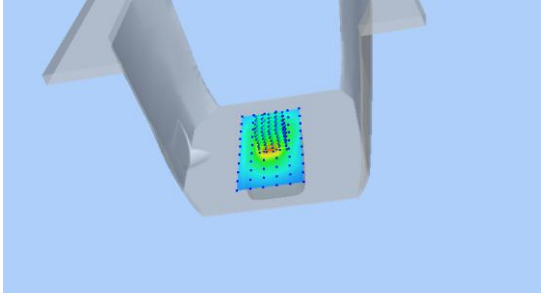
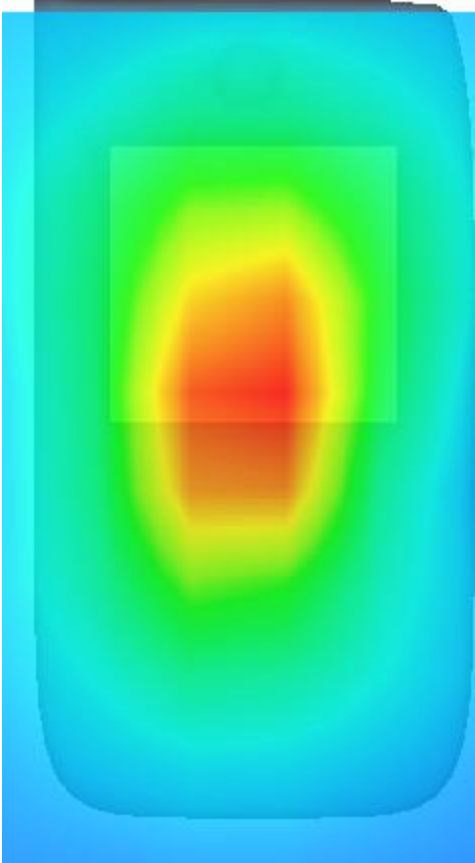
Maximum location: X=1.00, Y=3.00

SAR Peak: 1.29 W/kg

SAR 10g (W/Kg)	0.351093
SAR 1g (W/Kg)	0.679170

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.4659	0.9887	0.5946	0.3738	0.2239	0.1279	0.0783



3D screen shot	Hot spot position
	

MEASUREMENT 7

Type: Phone measurement (Complete)

Date of measurement: 29/3/2017

Measurement duration: 9 minutes 23 seconds

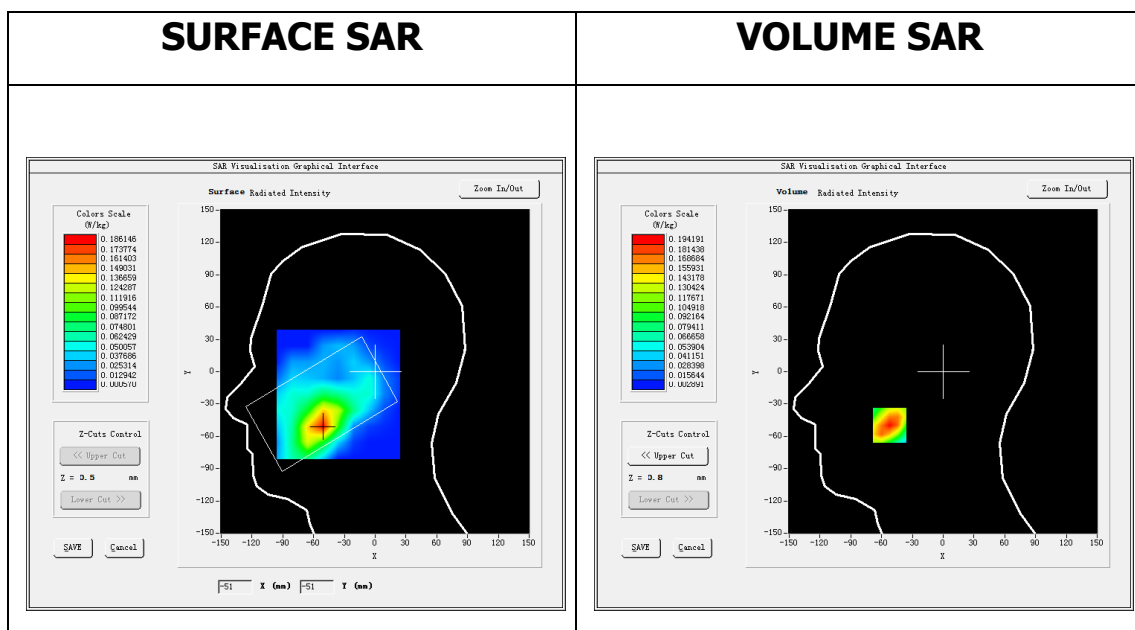
A. Experimental conditions.

<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>Left 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>Duty cycle:1:1</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)	39.914200
Relative permittivity (imaginary part)	13.434300
Conductivity (S/m)	1.403138
Variation (%)	1.990000

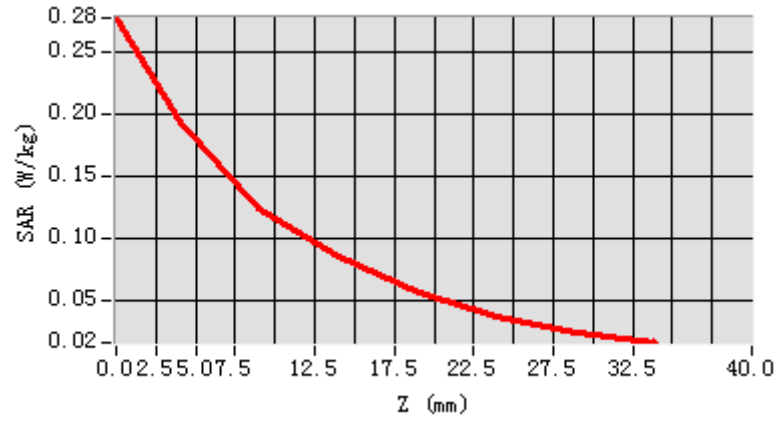


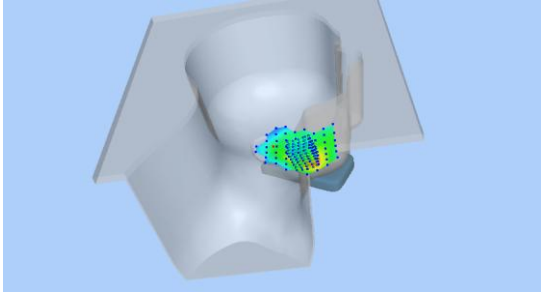
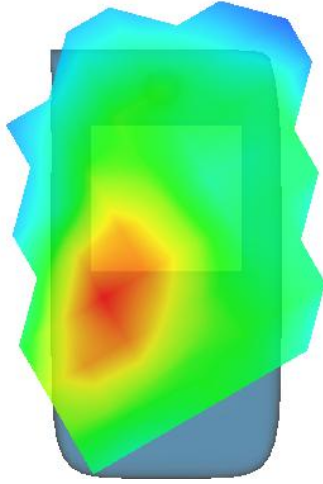
Maximum location: X=-52.00, Y=-50.00

SAR Peak: 0.28 W/kg

SAR 10g (W/Kg)	0.108814
SAR 1g (W/Kg)	0.183751

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2781	0.1942	0.1243	0.0850	0.0556	0.0368	0.0241



3D screen shot	Hot spot position
	

MEASUREMENT 8

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 29/3/2017

Measurement duration: 9 minutes 45 seconds

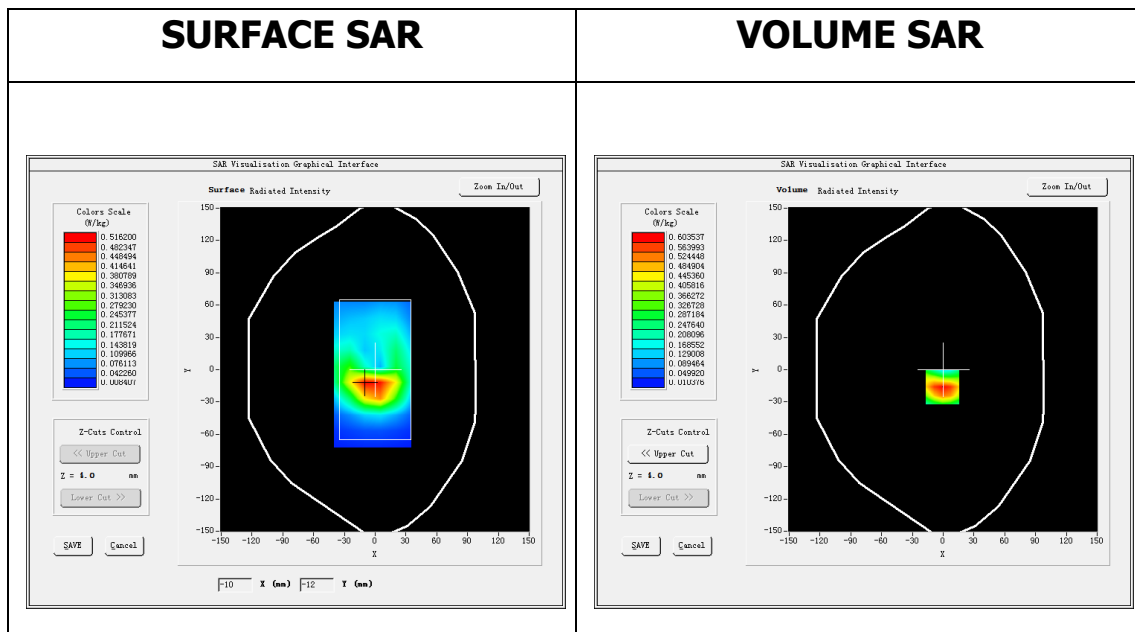
A. Experimental conditions.

<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>Band2 WCDMA1900</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty cycle:1:1</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)	53.356098
Relative permittivity (imaginary part)	14.668600
Conductivity (S/m)	1.532054
Variation (%)	0.770000

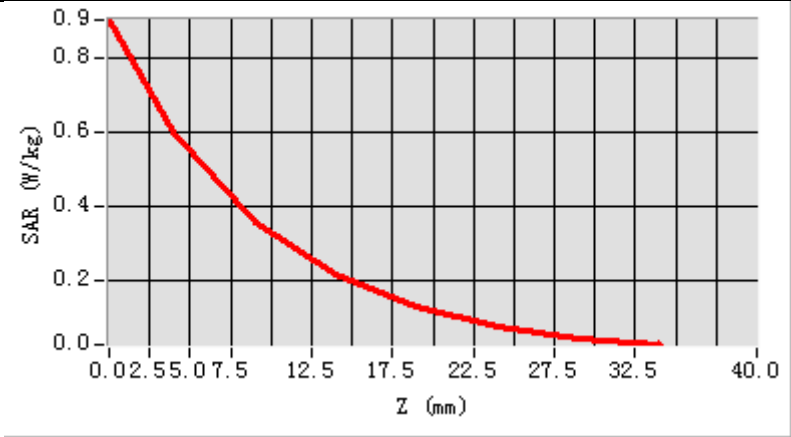


Maximum location: X=-1.00, Y=-16.00

SAR Peak: 0.91 W/kg

SAR 10g (W/Kg)	0.316902
SAR 1g (W/Kg)	0.577120

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.9055	0.6035	0.3568	0.2154	0.1280	0.0767	0.0459



3D screen shot	Hot spot position
<p>A 3D perspective view of a grey, L-shaped object. A small rectangular area on the horizontal base of the object is highlighted with a color-coded grid, representing the hot spot position.</p>	<p>A 2D color map visualization of the hot spot position. The image shows a rectangular area with a color gradient ranging from blue (low intensity) to red (high intensity). The highest intensity (red) is concentrated in the lower central region, indicating the hot spot.</p>

MEASUREMENT 9

Bottom-side-middle

Type: Phone measurement (Complete)

Date of measurement: 29/3/2017

Measurement duration: 9 minutes 4 seconds

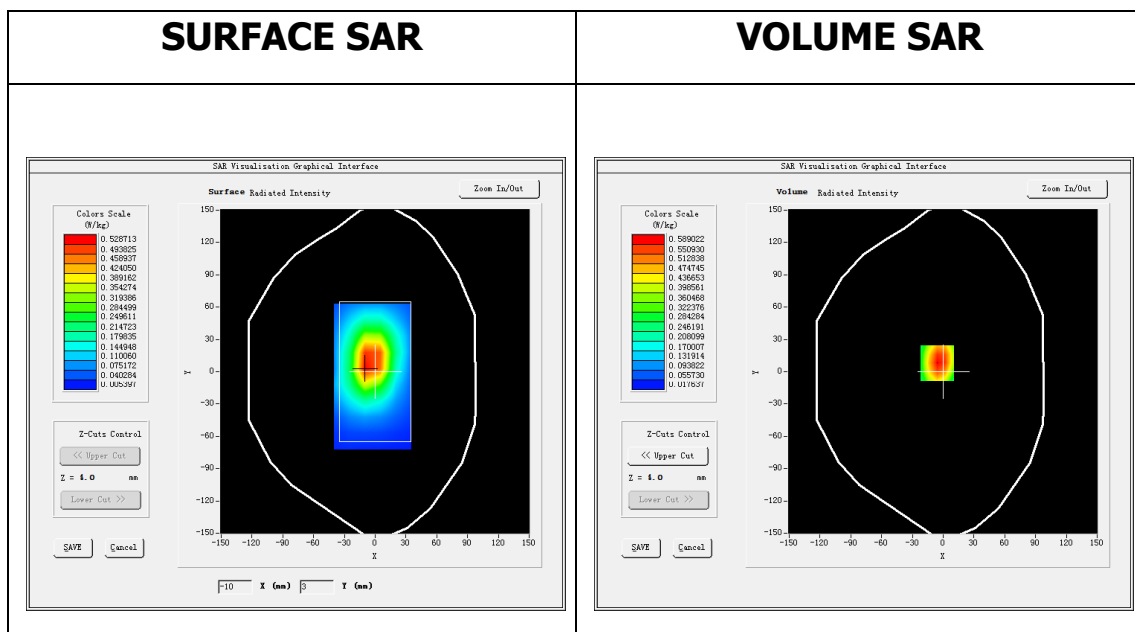
A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>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>Duty cycle:1:1</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)	53.356098
Relative permittivity (imaginary part)	14.668600
Conductivity (S/m)	1.532054
Variation (%)	2.220000

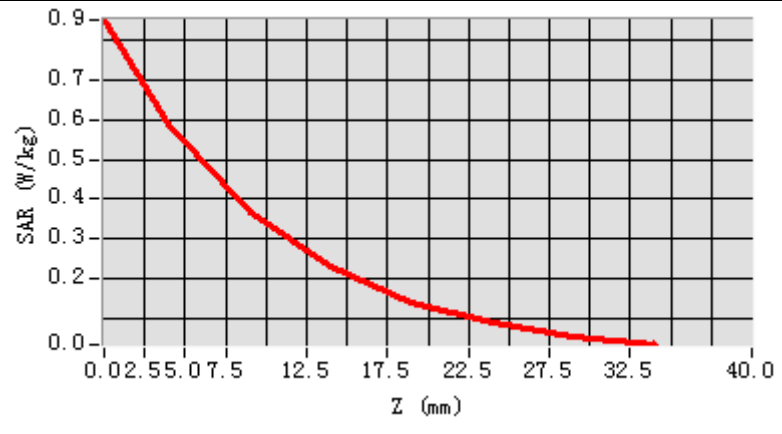


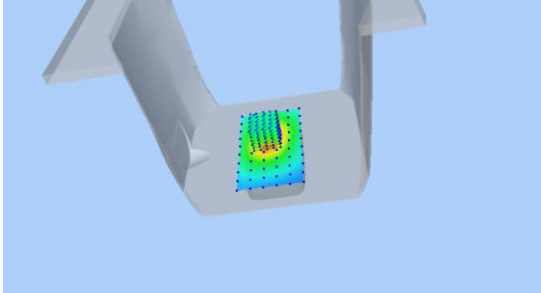
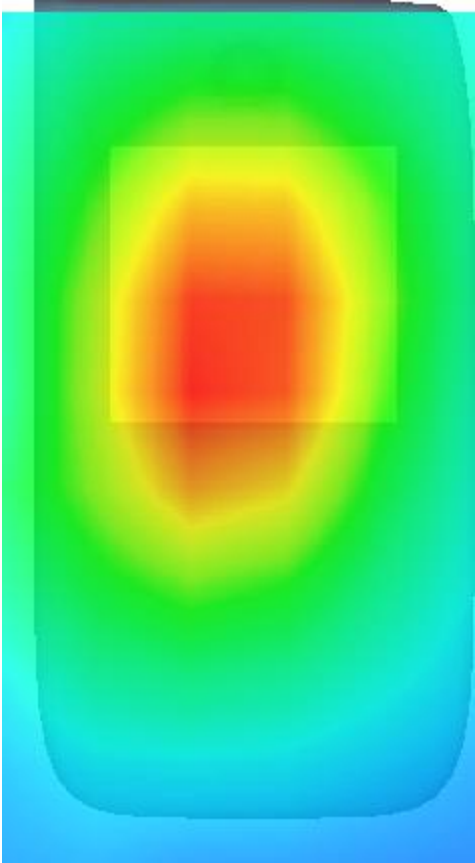
Maximum location: X=-6.00, Y=8.00

SAR Peak: 0.87 W/kg

SAR 10g (W/Kg)	0.333245
SAR 1g (W/Kg)	0.569786

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8515	0.5890	0.3659	0.2295	0.1418	0.0867	0.0539



3D screen shot	Hot spot position
	

MEASUREMENT 10

Type: Phone measurement (Complete)

Date of measurement: 5/4/2017

Measurement duration: 9 minutes 22 seconds

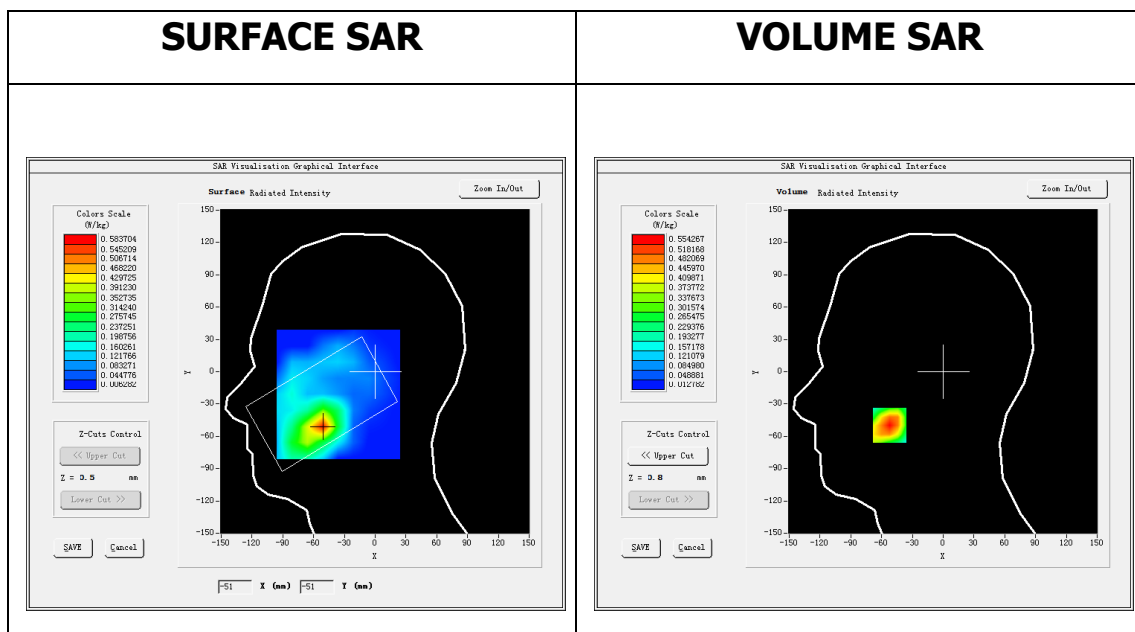
A. Experimental conditions.

<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>Band4 WCDMA1700</u>
<u>Channels</u>	<u>High</u>
<u>Signal</u>	<u>Duty cycle:1:1</u>
<u>Conversion factor</u>	<u>4.01</u>

B. SAR Measurement Results

Higher Band SAR (Channel 1513):

Frequency (MHz)	1752.000000
Relative permittivity (real part)	39.670101
Relative permittivity (imaginary part)	14.267500
Conductivity (S/m)	1.388703
Variation (%)	3.300000

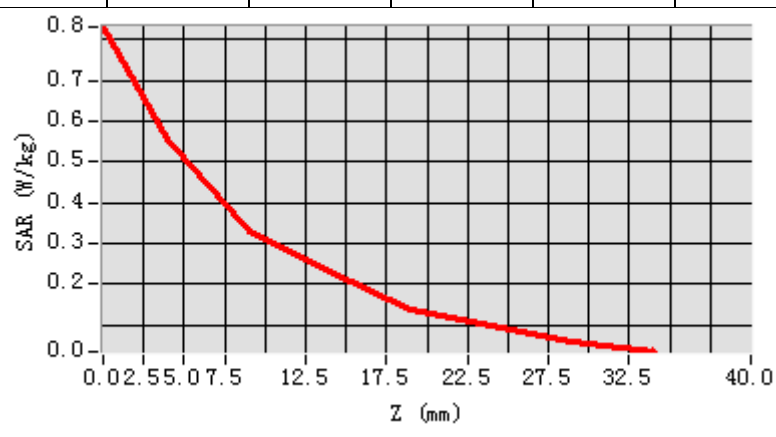


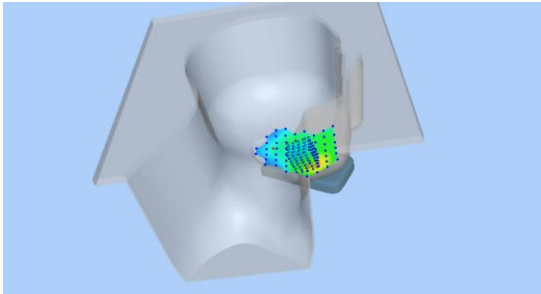
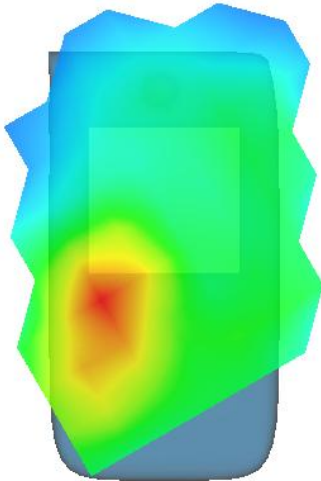
Maximum location: X=-52.00, Y=-50.00

SAR Peak: 0.83 W/kg

SAR 10g (W/Kg)	0.297870
SAR 1g (W/Kg)	0.531665

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8315	0.5543	0.3292	0.2330	0.1351	0.0987	0.0601



3D screen shot	Hot spot position
	

MEASUREMENT 11

Towards-phantom-high

Type: Phone measurement (Complete)

Date of measurement: 5/4/2017

Measurement duration: 10 minutes 40 seconds

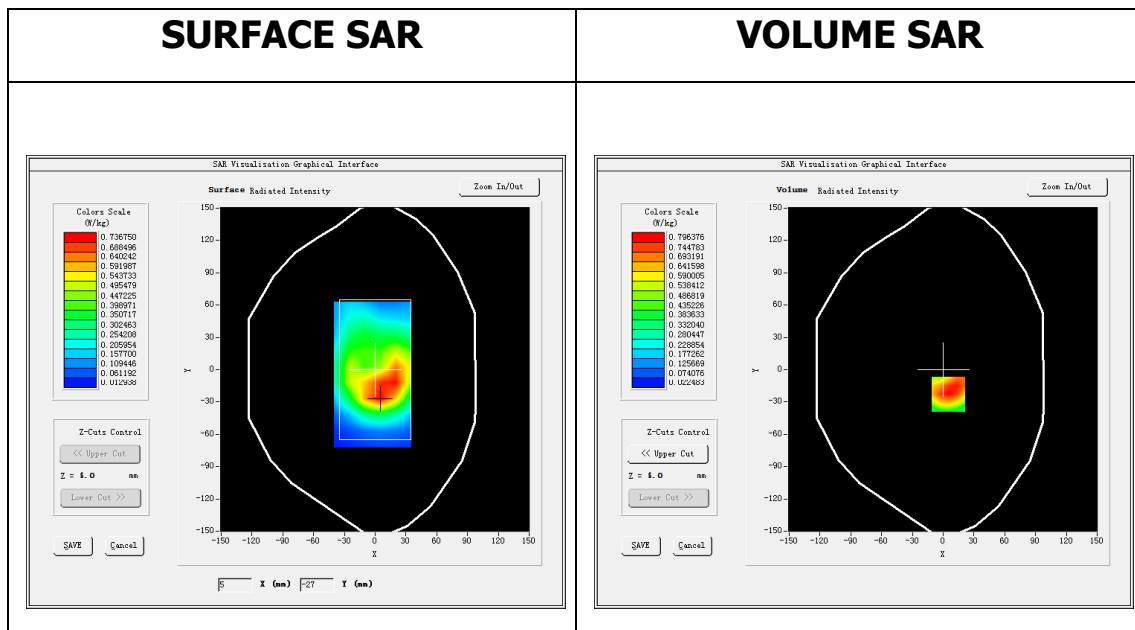
A. Experimental conditions.

<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>Band4 WCDMA1700</u>
<u>Channels</u>	<u>High</u>
<u>Signal</u>	<u>Duty cycle:1:1</u>
<u>Conversion factor</u>	<u>4.16</u>

B. SAR Measurement Results

Higher Band SAR (Channel 1513):

Frequency (MHz)	1752.000000
Relative permittivity (real part)	53.190498
Relative permittivity (imaginary part)	15.362000
Conductivity (S/m)	1.495235
Variation (%)	-0.940000

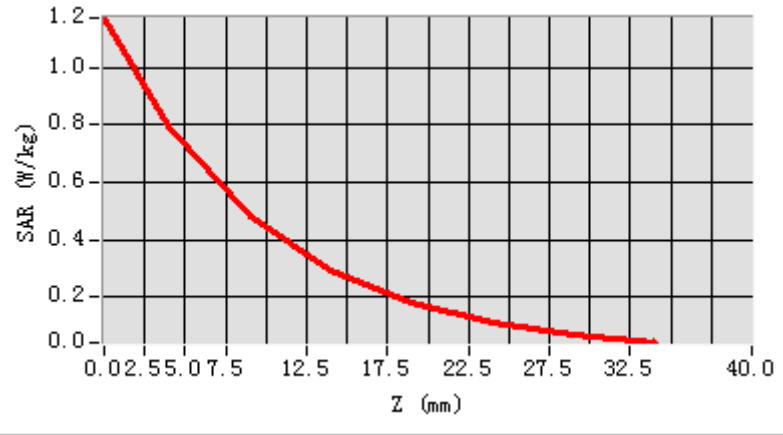


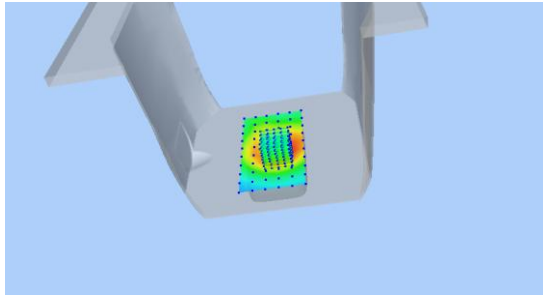
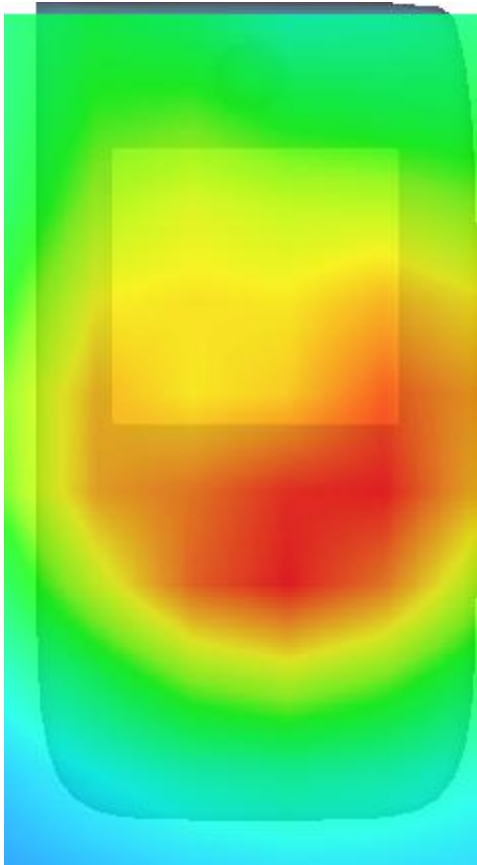
Maximum location: X=5.00, Y=-23.00

SAR Peak: 1.20 W/kg

SAR 10g (W/Kg)	0.456129
SAR 1g (W/Kg)	0.773969

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.1733	0.7964	0.4828	0.2957	0.1797	0.1101	0.0667



3D screen shot	Hot spot position
	

MEASUREMENT 12

Bottom-side-high

Type: Phone measurement (Complete)

Date of measurement: 5/4/2017

Measurement duration: 10 minutes 51 seconds

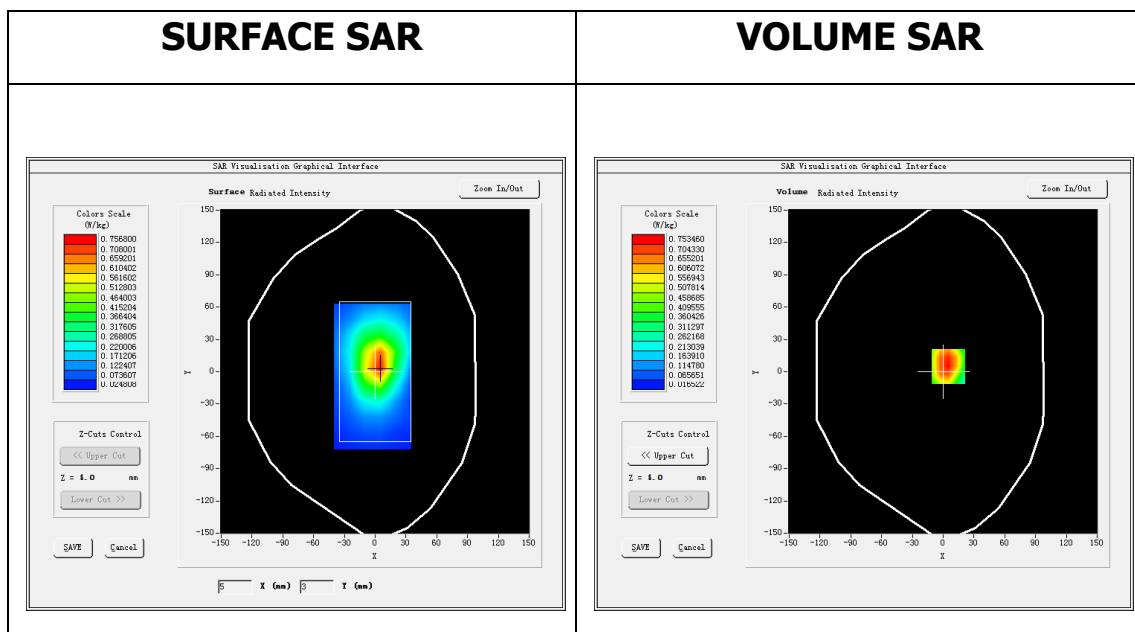
A. Experimental conditions.

<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>Band4 WCDMA1700</u>
<u>Channels</u>	<u>High</u>
<u>Signal</u>	<u>Duty cycle:1:1</u>
<u>Conversion factor</u>	<u>4.16</u>

B. SAR Measurement Results

Higher Band SAR (Channel 1513):

Frequency (MHz)	1752.000000
Relative permittivity (real part)	53.190498
Relative permittivity (imaginary part)	15.362000
Conductivity (S/m)	1.495235
Variation (%)	-3.830000

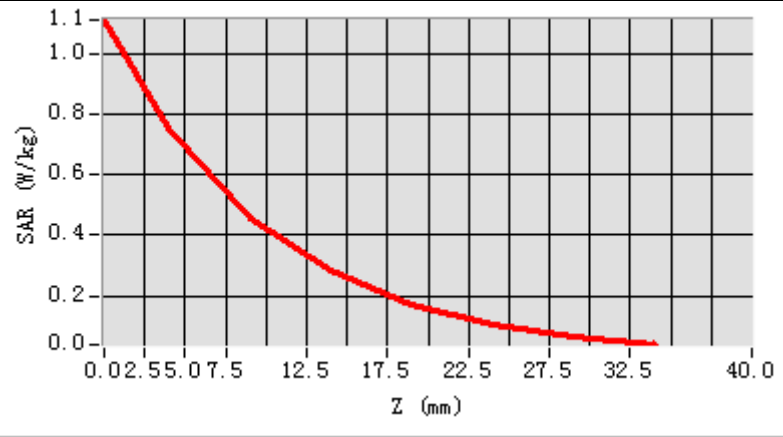


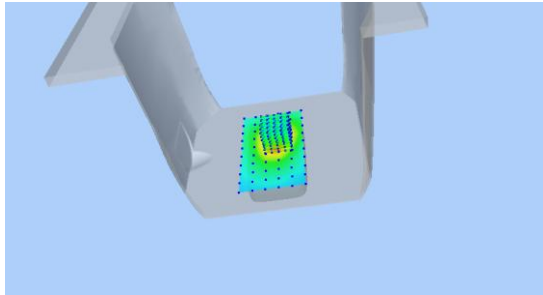
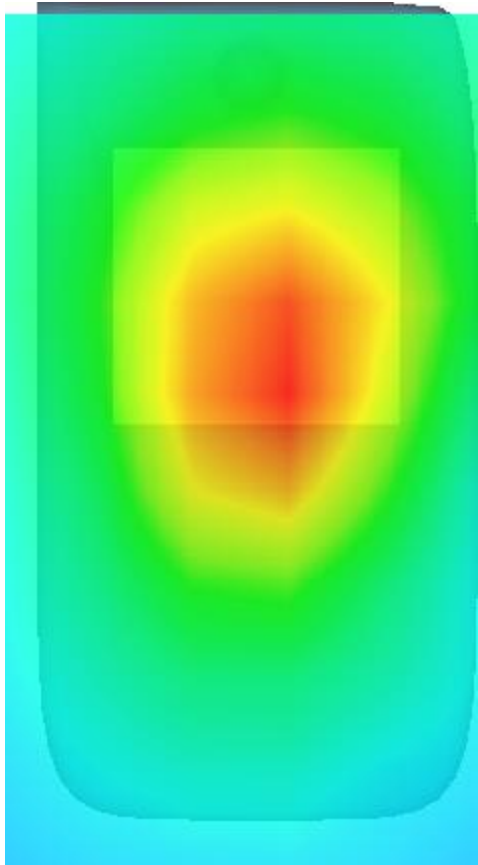
Maximum location: X=5.00, Y=5.00

SAR Peak: 1.13 W/kg

SAR 10g (W/Kg)	0.418513
SAR 1g (W/Kg)	0.726363

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.1125	0.7535	0.4552	0.2847	0.1704	0.1043	0.0626



3D screen shot	Hot spot position
	

MEASUREMENT 13

Type: Phone measurement (Complete)

Date of measurement: 30/3/2017

Measurement duration: 8 minutes 32 seconds

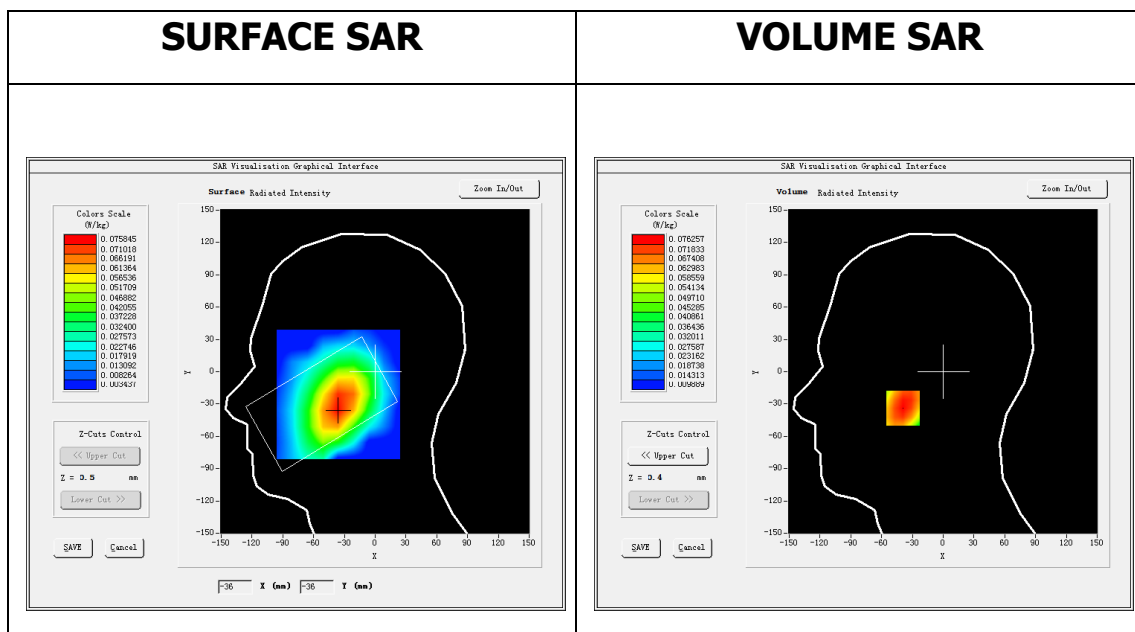
A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>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>Low</u>
<u>Signal</u>	<u>Duty cycle:1:1</u>
<u>Conversion factor</u>	<u>4.93</u>

B. SAR Measurement Results

Lower Band SAR (Channel 4132):

Frequency (MHz)	826.400024
Relative permittivity (real part)	40.366501
Relative permittivity (imaginary part)	19.842400
Conductivity (S/m)	0.910987
Variation (%)	1.340000

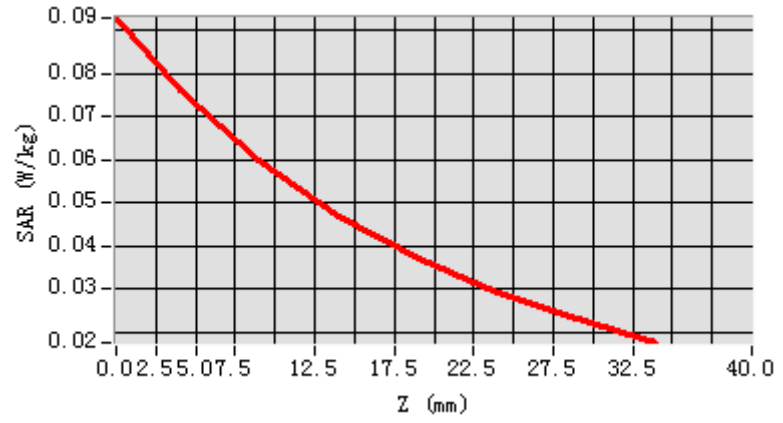


Maximum location: X=-36.00, Y=-34.00

SAR Peak: 0.09 W/kg

SAR 10g (W/Kg)	0.102436
SAR 1g (W/Kg)	0.137957

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0929	0.0763	0.0597	0.0469	0.0370	0.0292	0.0229



3D screen shot	Hot spot position

MEASUREMENT 14

Towards-ground-low

Type: Phone measurement (Complete)

Date of measurement: 30/3/2017

Measurement duration: 8 minutes 24 seconds

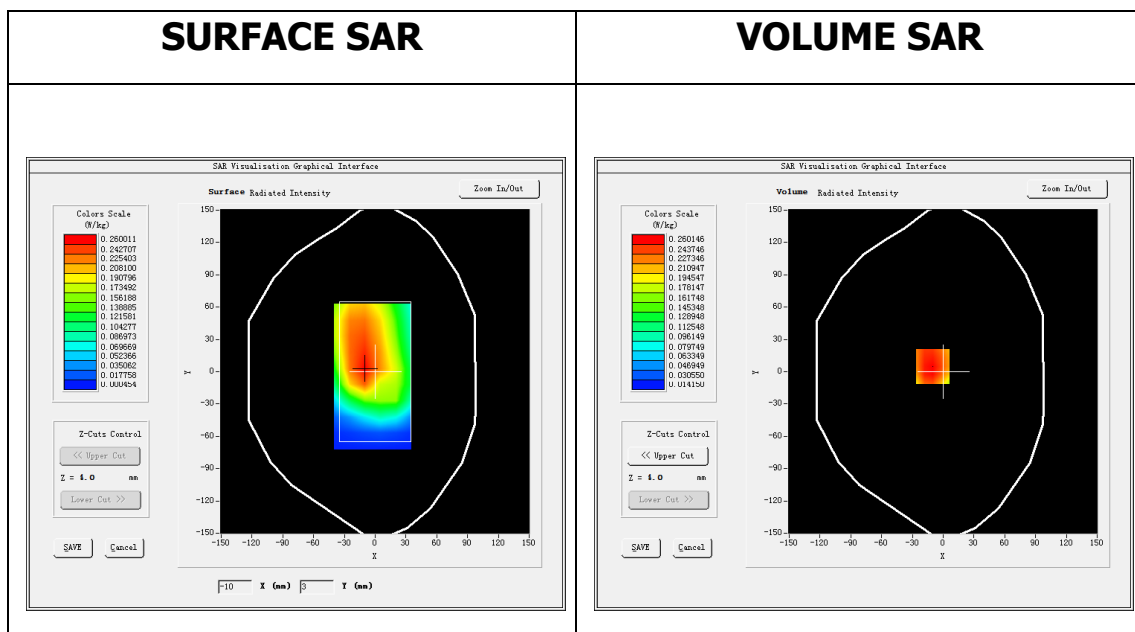
A. Experimental conditions.

<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>Band5 WCDMA850</u>
<u>Channels</u>	<u>Low</u>
<u>Signal</u>	<u>Duty cycle:1:1</u>
<u>Conversion factor</u>	<u>5.07</u>

B. SAR Measurement Results

Lower Band SAR (Channel 4132):

Frequency (MHz)	826.400024
Relative permittivity (real part)	54.039879
Relative permittivity (imaginary part)	21.302919
Conductivity (S/m)	0.978041
Variation (%)	-2.190000

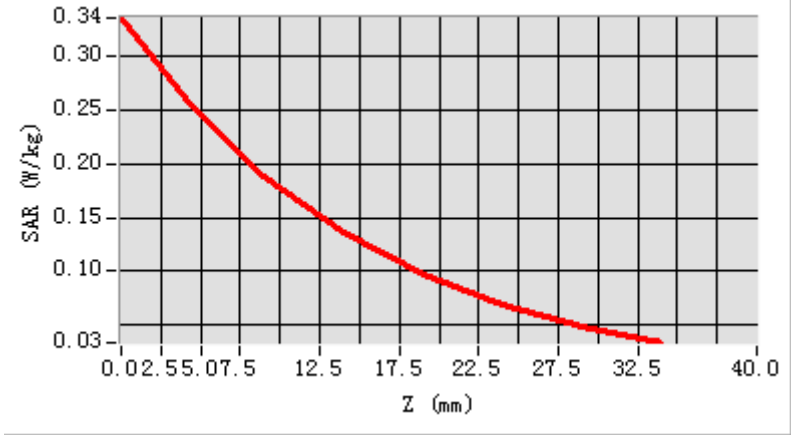


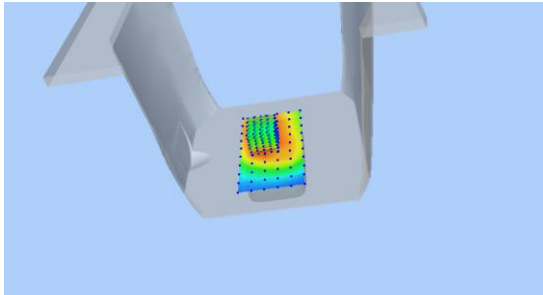
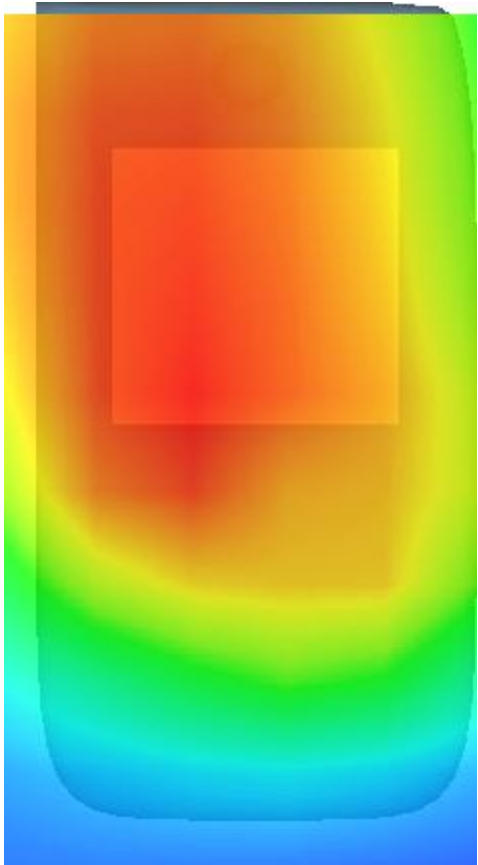
Maximum location: X=-10.00, Y=5.00

SAR Peak: 0.34 W/kg

SAR 10g (W/Kg)	0.180902
SAR 1g (W/Kg)	0.256917

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3356	0.2601	0.1879	0.1358	0.0965	0.0684	0.0479



3D screen shot	Hot spot position
	

MEASUREMENT 15

Rear-side-low

Type: Phone measurement (Complete)

Date of measurement: 30/3/2017

Measurement duration: 8 minutes 24 seconds

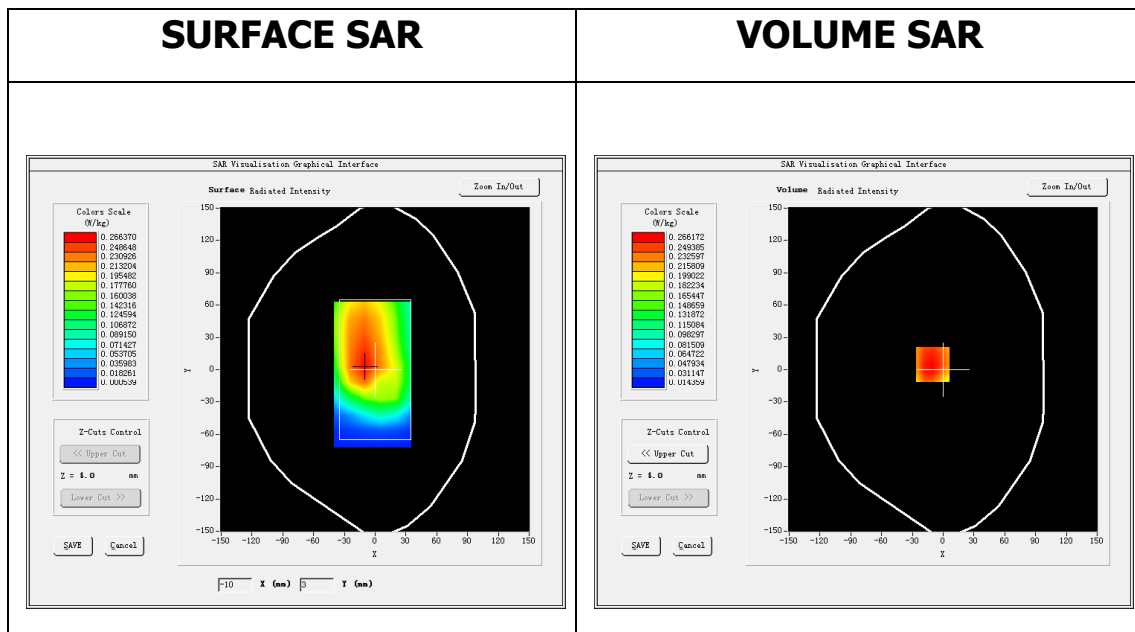
A. Experimental conditions.

<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>Band5 WCDMA850</u>
<u>Channels</u>	<u>Low</u>
<u>Signal</u>	<u>Duty cycle:1:1</u>
<u>Conversion factor</u>	<u>5.07</u>

B. SAR Measurement Results

Lower Band SAR (Channel 4132):

Frequency (MHz)	826.400024
Relative permittivity (real part)	54.039879
Relative permittivity (imaginary part)	21.302919
Conductivity (S/m)	0.978041
Variation (%)	0.030000

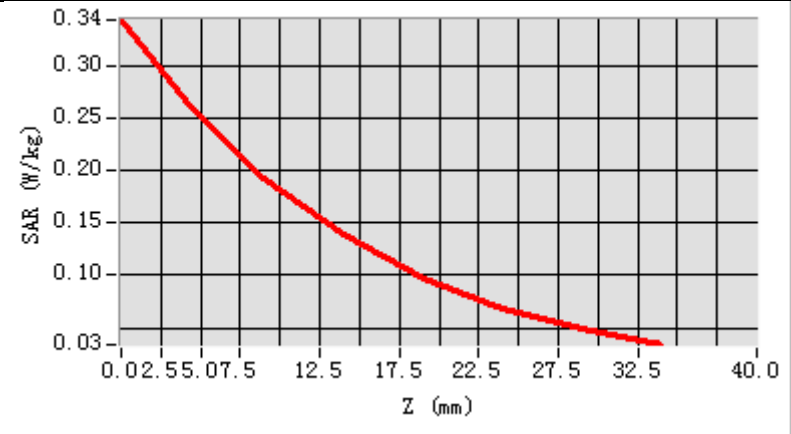


Maximum location: X=-10.00, Y=5.00

SAR Peak: 0.35 W/kg

SAR 10g (W/Kg)	0.184071
SAR 1g (W/Kg)	0.262272

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3432	0.2662	0.1920	0.1381	0.0977	0.0691	0.0483



3D screen shot	Hot spot position
<p>A 3D perspective view of a grey, L-shaped device. A rectangular area on the horizontal base is highlighted with a color-coded grid, showing a gradient from blue (low SAR) to red (high SAR), indicating the location of the maximum SAR value.</p>	<p>A 2D color map showing the spatial distribution of SAR. The map is rectangular with a color gradient from blue at the bottom to red at the top, indicating the location of the maximum SAR value. A red rectangular box is overlaid on the top portion of the map, highlighting the specific area of interest.</p>

MEASUREMENT 16

20M-1RB#99

Type: Phone measurement (Complete)

Date of measurement: 29/3/2017

Measurement duration: 9 minutes 34 seconds

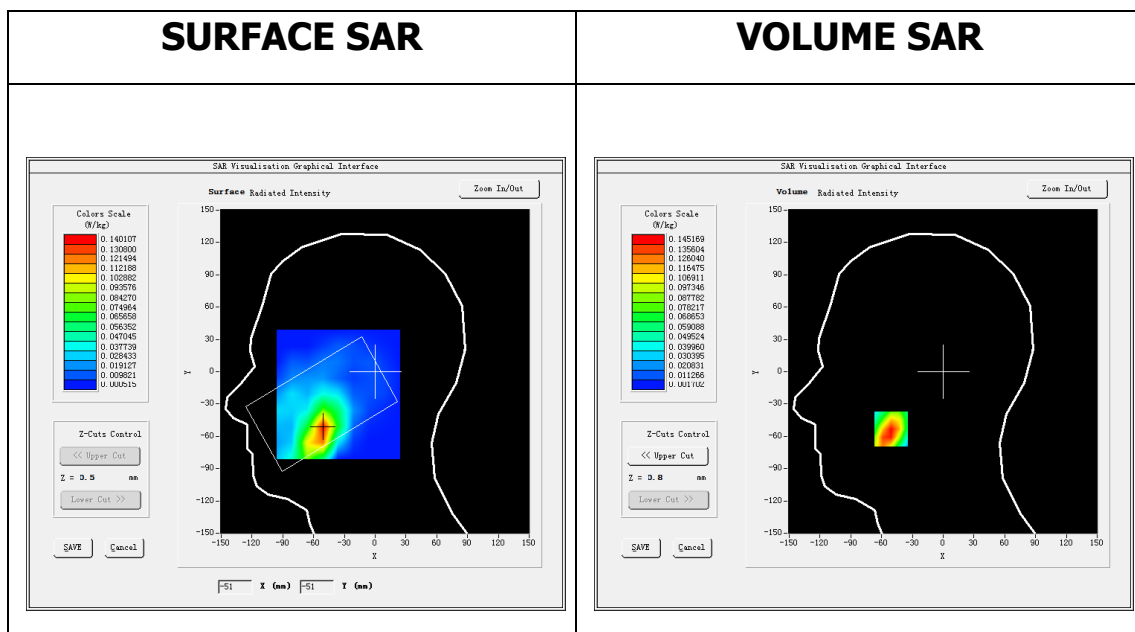
A. Experimental conditions.

<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>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>Duty cycle:1:1</u>
<u>Conversion factor</u>	<u>4.63</u>

B. SAR Measurement Results

Middle Band SAR (Channel 18900):

Frequency (MHz)	1879.500000
Relative permittivity (real part)	39.917099
Relative permittivity (imaginary part)	13.431950
Conductivity (S/m)	1.402519
Variation (%)	-0.930000

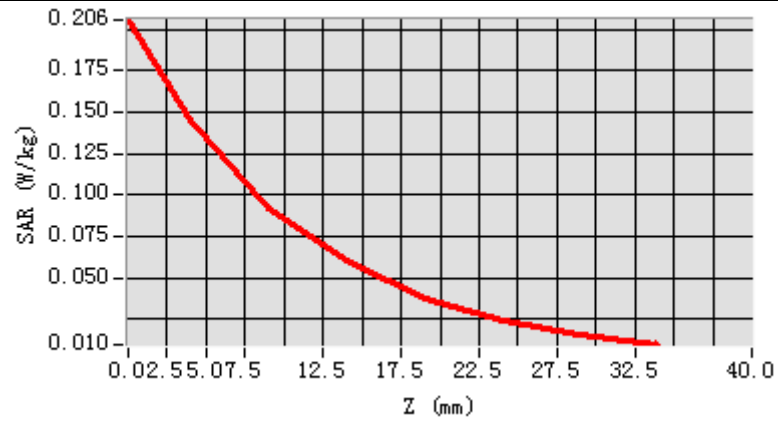


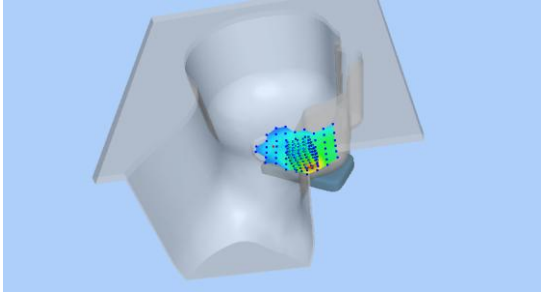
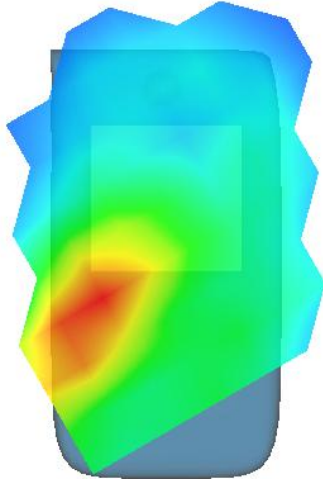
Maximum location: X=-51.00, Y=-53.00

SAR Peak: 0.22 W/kg

SAR 10g (W/Kg)	0.079166
SAR 1g (W/Kg)	0.140324

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2057	0.1452	0.0924	0.0600	0.0378	0.0244	0.0158



3D screen shot	Hot spot position
	

MEASUREMENT 17

Towards-phantom-20M-50RB#50-middle

Type: Phone measurement (Complete)

Date of measurement: 29/3/2017

Measurement duration: 7 minutes 43 seconds

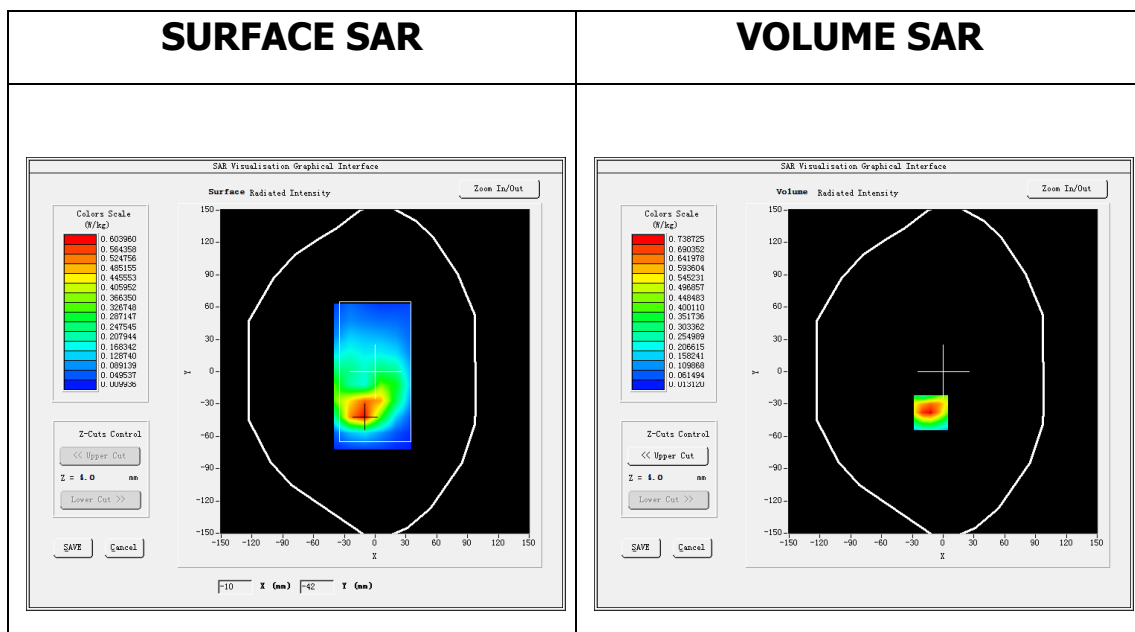
A. Experimental conditions.

<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>LTE band 2</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty cycle:1:1</u>
<u>Conversion factor</u>	<u>4.78</u>

B. SAR Measurement Results

Middle Band SAR (Channel 18900):

Frequency (MHz)	1879.500000
Relative permittivity (real part)	53.367001
Relative permittivity (imaginary part)	14.686350
Conductivity (S/m)	1.533500
Variation (%)	3.970000

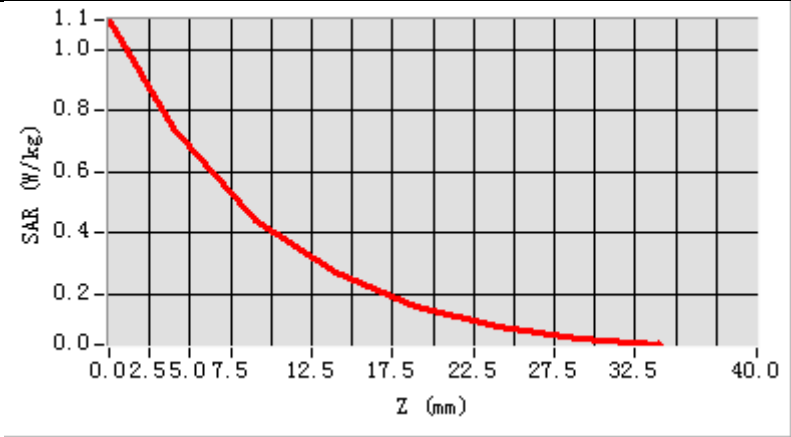


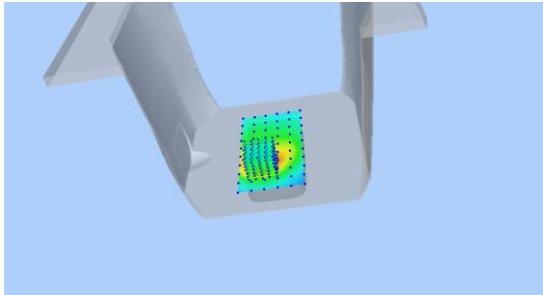
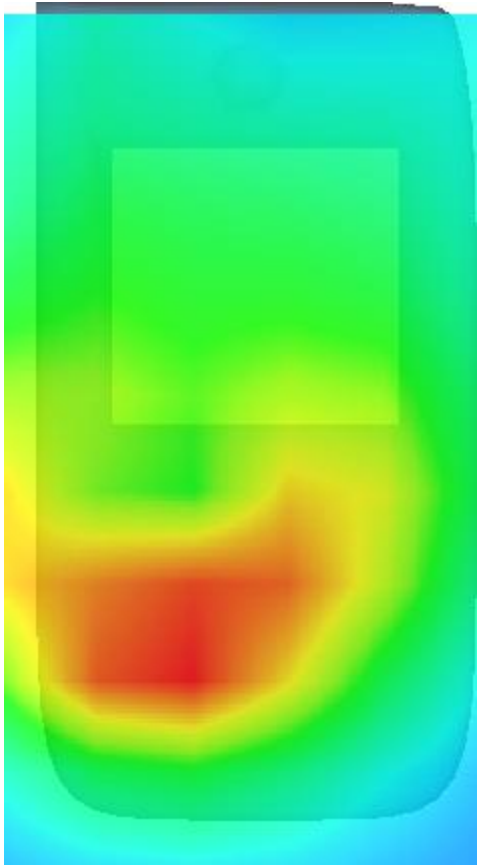
Maximum location: X=-12.00, Y=-38.00

SAR Peak: 1.06 W/kg

SAR 10g (W/Kg)	0.279118
SAR 1g (W/Kg)	0.514963

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.0952	0.7387	0.4424	0.2688	0.1593	0.0952	0.0567



3D screen shot	Hot spot position
	

MEASUREMENT 18

Bottom-side-20M-50RB#50-middle

Type: Phone measurement (Complete)

Date of measurement: 29/3/2017

Measurement duration: 10 minutes 24 seconds

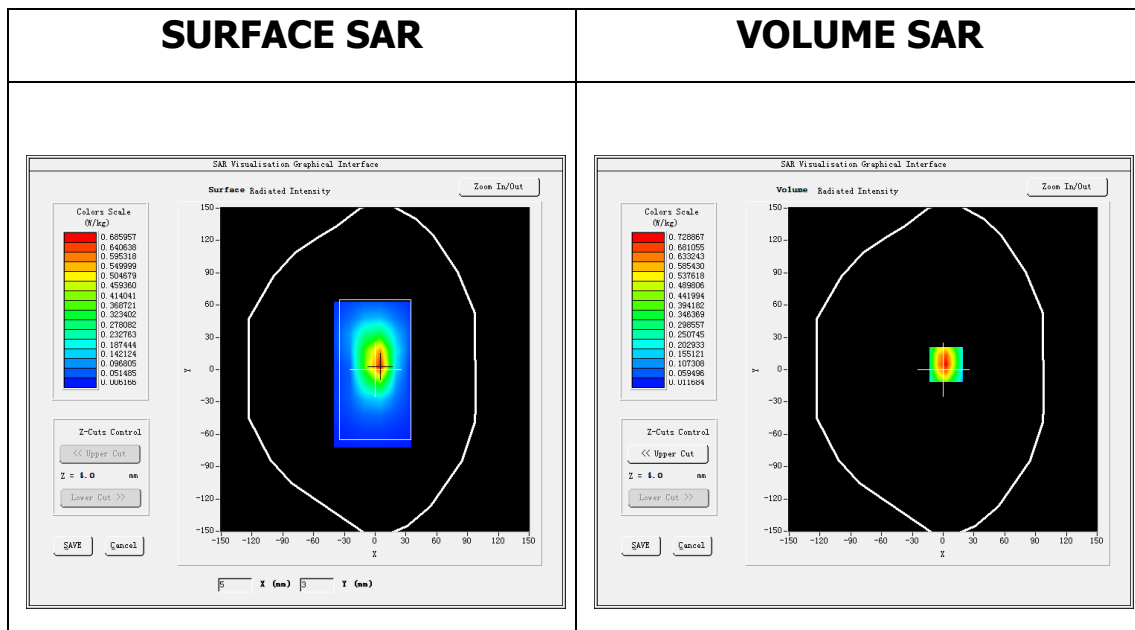
A. Experimental conditions.

<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>LTE band 2</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty cycle:1:1</u>
<u>Conversion factor</u>	<u>4.78</u>

B. SAR Measurement Results

Middle Band SAR (Channel 18900):

Frequency (MHz)	1879.500000
Relative permittivity (real part)	53.367001
Relative permittivity (imaginary part)	14.686350
Conductivity (S/m)	1.533500
Variation (%)	-1.090000

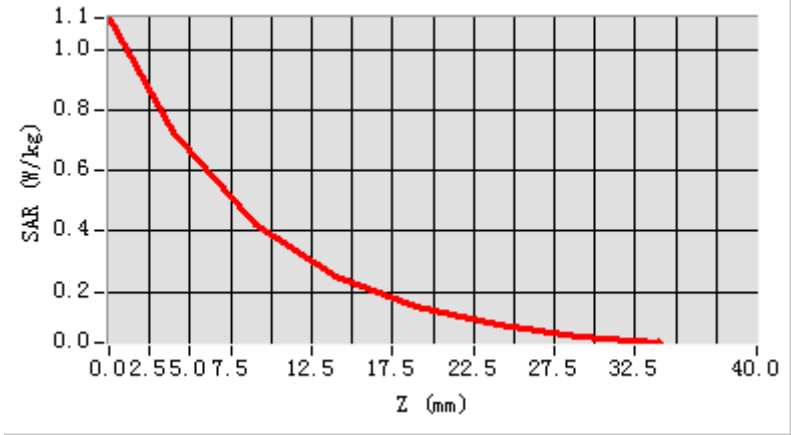


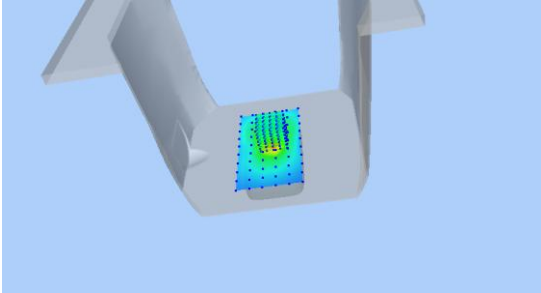
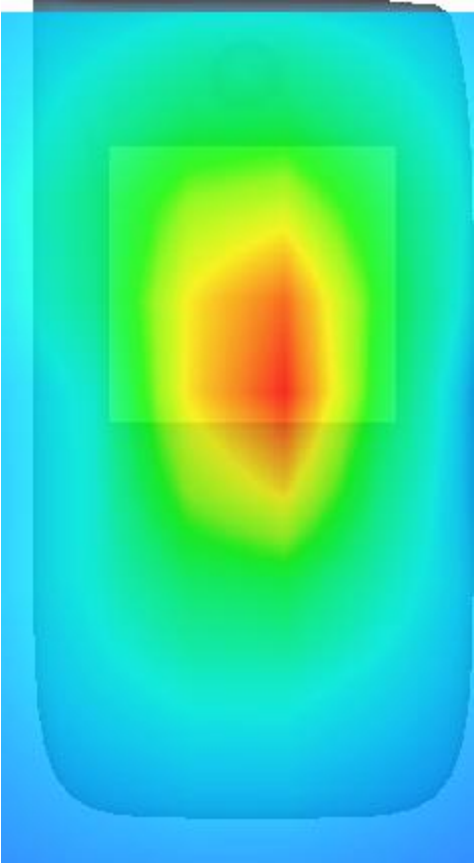
Maximum location: X=3.00, Y=5.00

SAR Peak: 1.11 W/kg

SAR 10g (W/Kg)	0.365688
SAR 1g (W/Kg)	0.689460

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.1074	0.7289	0.4234	0.2523	0.1481	0.0882	0.0523



3D screen shot	Hot spot position
	

MEASUREMENT 19

20M-1RB#99

Type: Phone measurement (Complete)

Date of measurement: 5/4/2017

Measurement duration: 9 minutes 36 seconds

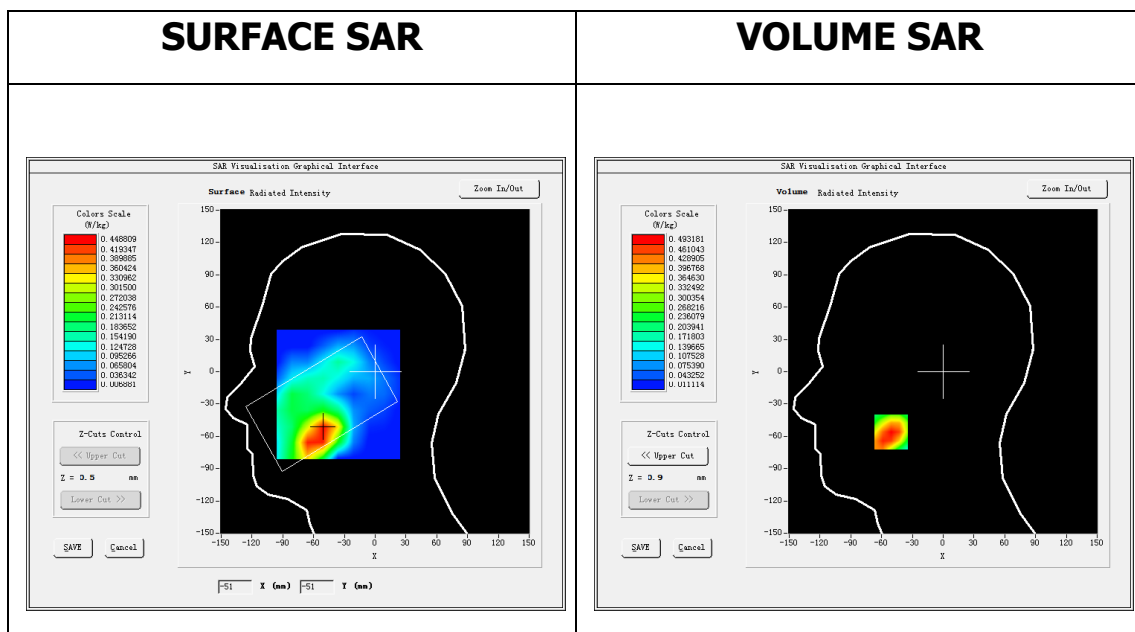
A. Experimental conditions.

<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>Left 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>Duty cycle:1:1</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)	39.826401
Relative permittivity (imaginary part)	14.189300
Conductivity (S/m)	1.365720
Variation (%)	-0.770000

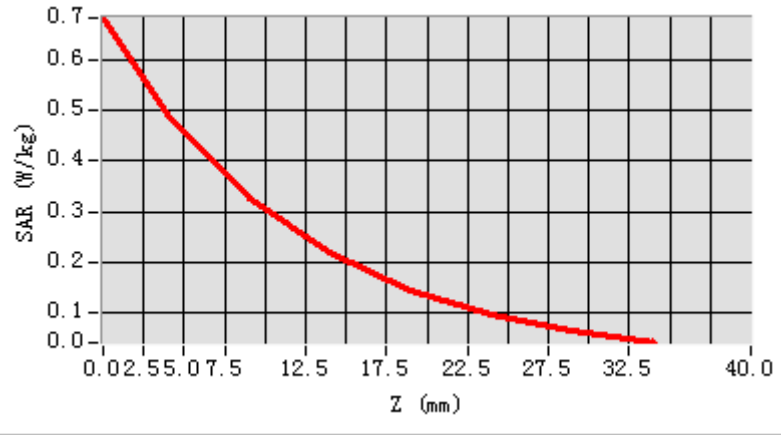


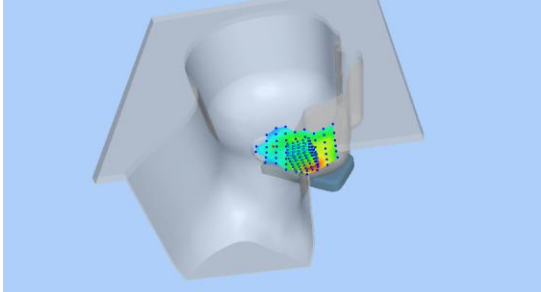
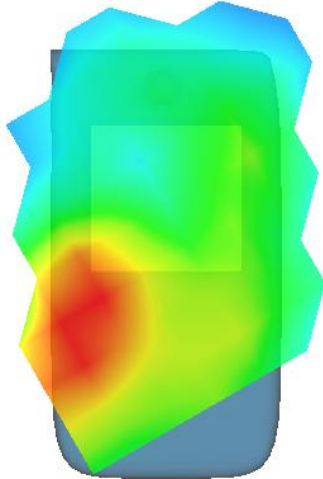
Maximum location: X=-51.00, Y=-56.00

SAR Peak: 0.71 W/kg

SAR 10g (W/Kg)	0.286799
SAR 1g (W/Kg)	0.476858

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6833	0.4932	0.3257	0.2180	0.1447	0.0971	0.0647



3D screen shot	Hot spot position
	

MEASUREMENT 20

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

Type: Phone measurement (Complete)

Date of measurement: 5/4/2017

Measurement duration: 11 minutes 12 seconds

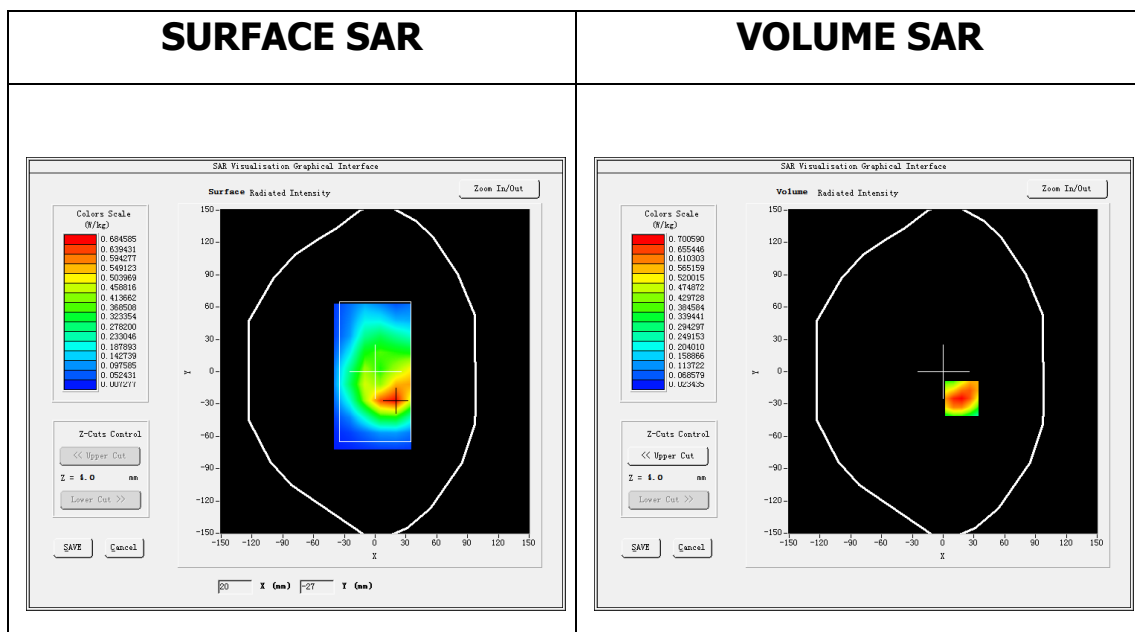
A. Experimental conditions.

<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>LTE band 4</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty cycle:1:1</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)	53.302151
Relative permittivity (imaginary part)	15.274800
Conductivity (S/m)	1.470200
Variation (%)	0.290000

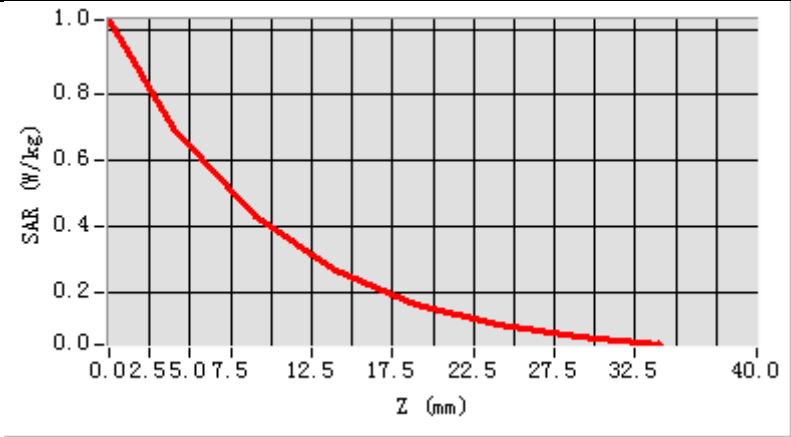


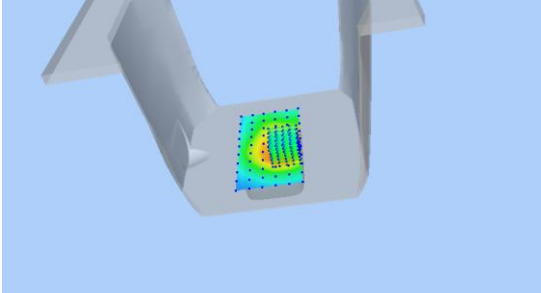
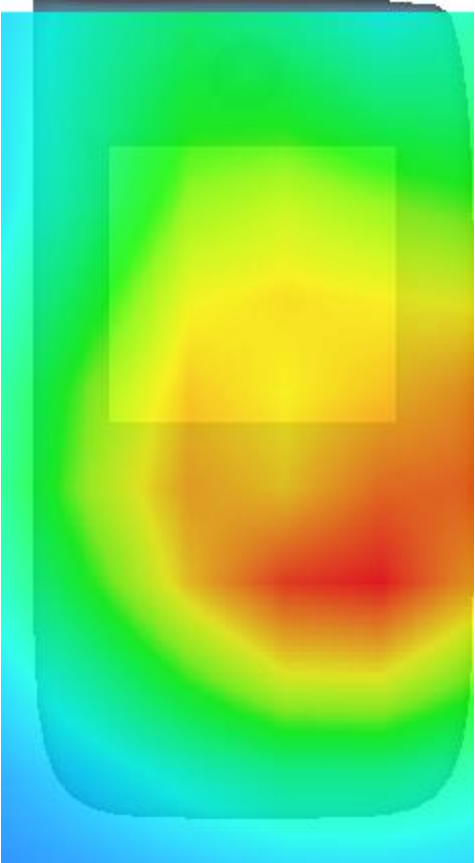
Maximum location: X=18.00, Y=-25.00

SAR Peak: 1.04 W/kg

SAR 10g (W/Kg)	0.392521
SAR 1g (W/Kg)	0.668587

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.0288	0.7006	0.4278	0.2655	0.1638	0.1011	0.0625



3D screen shot	Hot spot position
	

MEASUREMENT 21

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

Type: Phone measurement (Complete)

Date of measurement: 5/4/2017

Measurement duration: 10 minutes 0 seconds

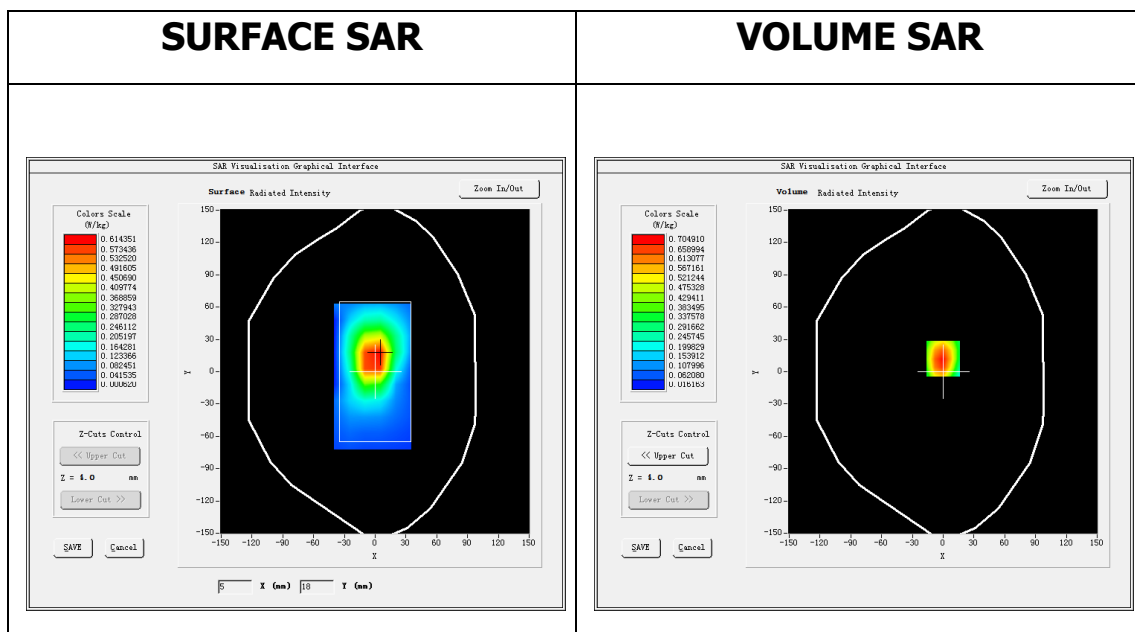
A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>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>Duty cycle:1:1</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)	53.302151
Relative permittivity (imaginary part)	15.274800
Conductivity (S/m)	1.470200
Variation (%)	-1.760000

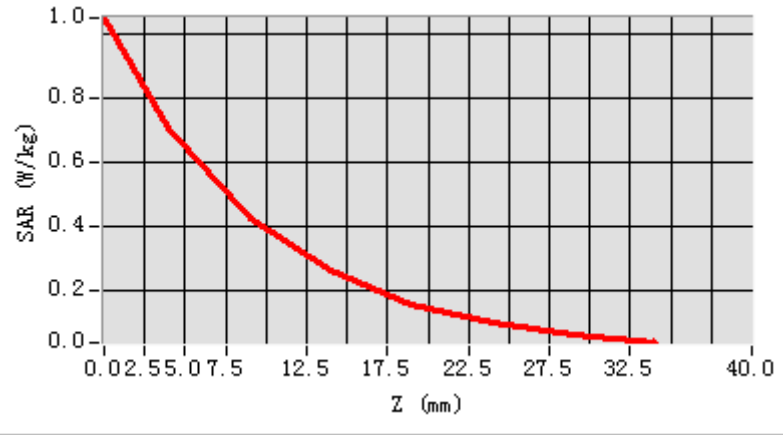


Maximum location: X=0.00, Y=12.00

SAR Peak: 1.06 W/kg

SAR 10g (W/Kg)	0.383303
SAR 1g (W/Kg)	0.676503

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.0474	0.7049	0.4230	0.2578	0.1560	0.0948	0.0573



3D screen shot	Hot spot position
<p>A 3D perspective view of a grey, L-shaped device. A small rectangular area on the horizontal base of the device is highlighted with a color-coded grid, showing a hot spot with a red center transitioning to yellow and green towards the edges.</p>	<p>A 2D top-down view of the device's surface. It shows a large, rounded rectangular area. The center of this area is a bright red oval, surrounded by a yellow ring, which is then surrounded by a green ring, and finally a cyan outer edge. This represents the spatial distribution of the hot spot.</p>

MEASUREMENT 22

10M-1RB#0

Type: Phone measurement (Complete)

Date of measurement: 30/3/2017

Measurement duration: 10 minutes 13 seconds

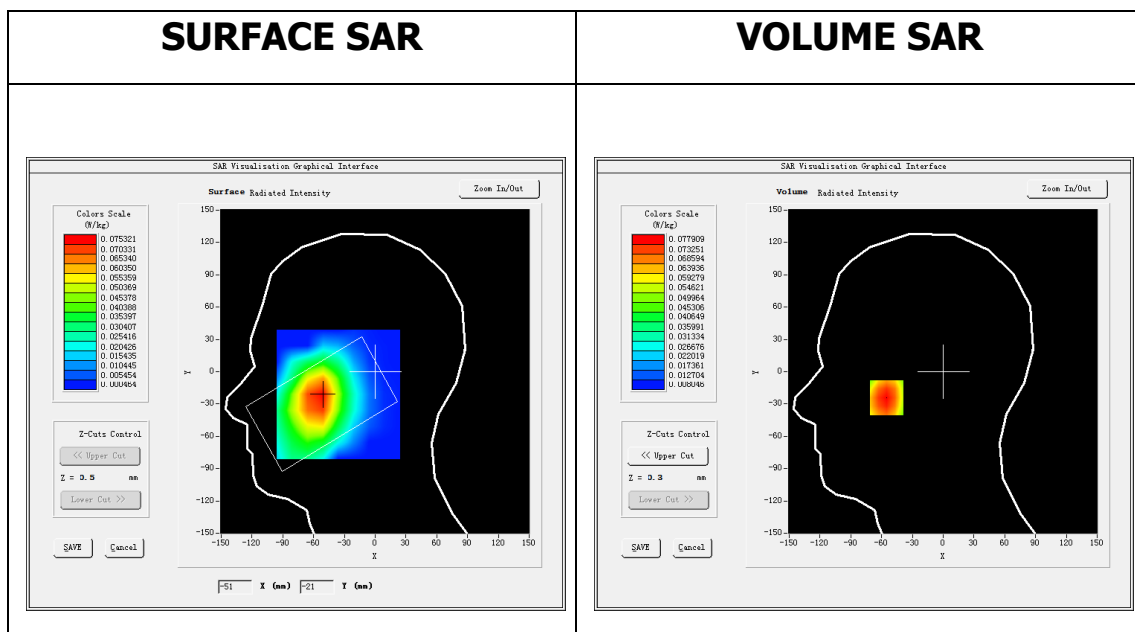
A. Experimental conditions.

<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>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>LTE band 5</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty cycle:1:1</u>
<u>Conversion factor</u>	<u>4.93</u>

B. SAR Measurement Results

Middle Band SAR (Channel 20525):

Frequency (MHz)	836.500000
Relative permittivity (real part)	40.235748
Relative permittivity (imaginary part)	19.853350
Conductivity (S/m)	0.922629
Variation (%)	-0.260000

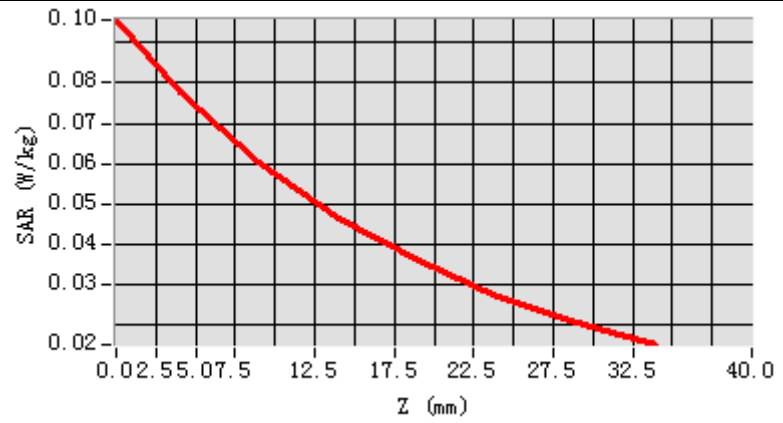


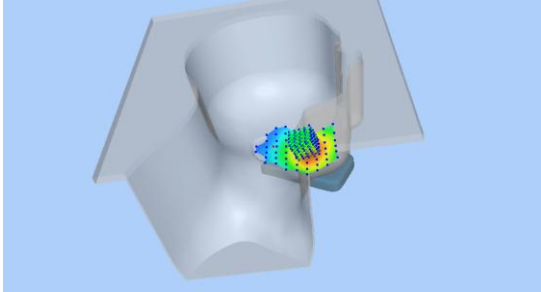
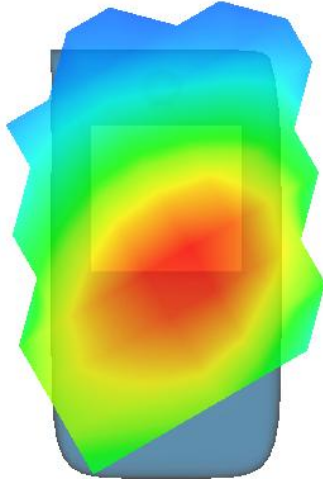
Maximum location: X=-55.00, Y=-24.00

SAR Peak: 0.10 W/kg

SAR 10g (W/Kg)	0.055466
SAR 1g (W/Kg)	0.077008

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0957	0.0779	0.0603	0.0463	0.0357	0.0270	0.0203



3D screen shot	Hot spot position
	

MEASUREMENT 23

Towards-ground-10M-1RB#0-middle

Type: Phone measurement (Complete)

Date of measurement: 30/3/2017

Measurement duration: 8 minutes 42 seconds

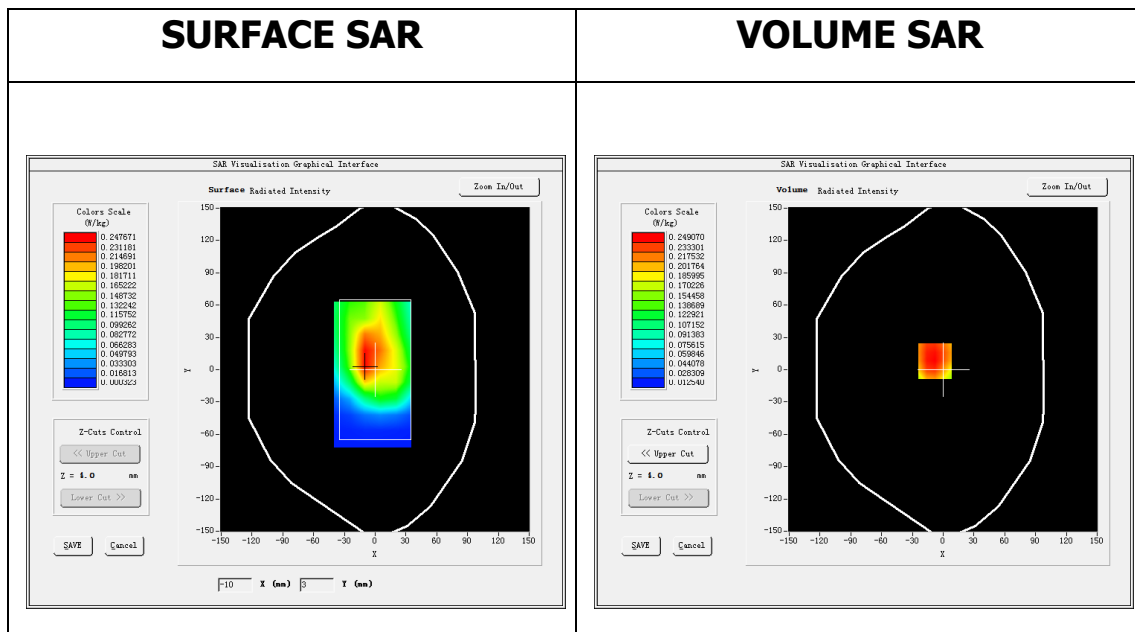
A. Experimental conditions.

<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>LTE band 5</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty cycle:1:1</u>
<u>Conversion factor</u>	<u>5.07</u>

B. SAR Measurement Results

Middle Band SAR (Channel 20525):

Frequency (MHz)	836.500000
Relative permittivity (real part)	53.916100
Relative permittivity (imaginary part)	21.307800
Conductivity (S/m)	0.990221
Variation (%)	1.400000

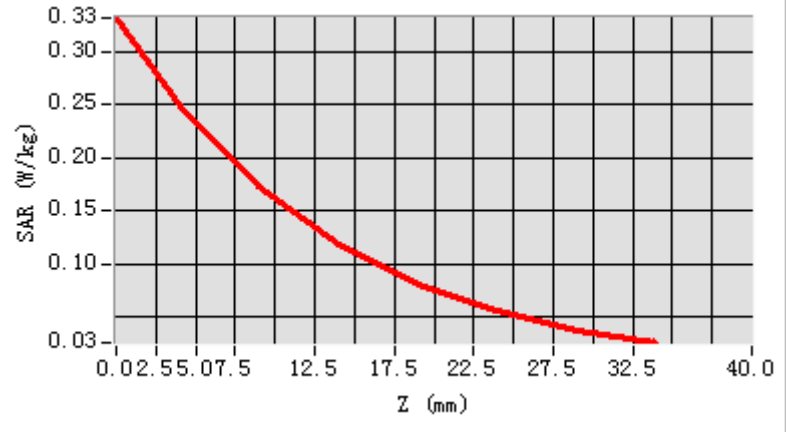


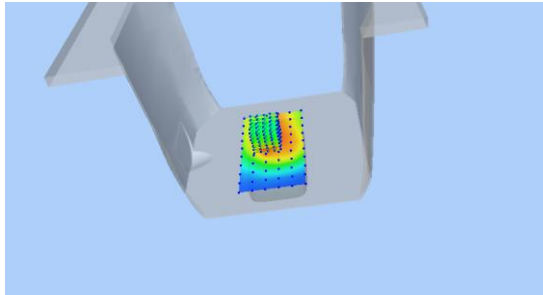
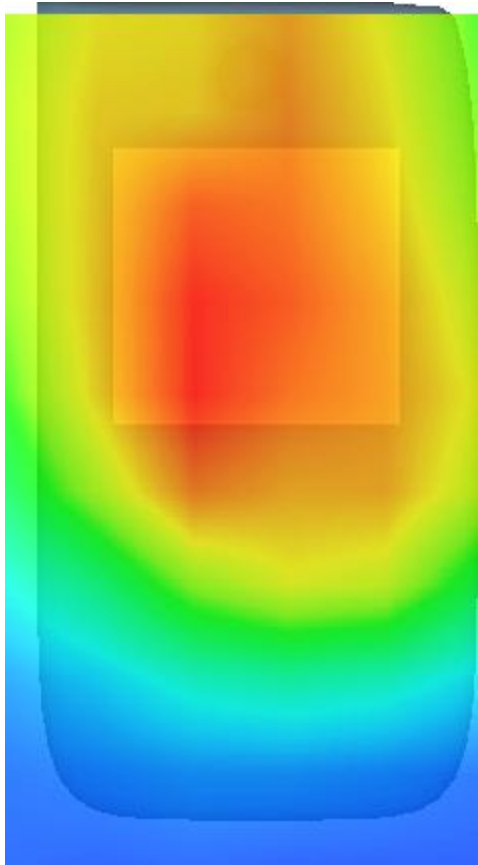
Maximum location: X=-8.00, Y=8.00

SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.169098
SAR 1g (W/Kg)	0.247331

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3317	0.2491	0.1725	0.1190	0.0814	0.0557	0.0380



3D screen shot	Hot spot position
	

MEASUREMENT 24

Rear-side-10M-1RB#0-middle

Type: Phone measurement (Complete)

Date of measurement: 30/3/2017

Measurement duration: 8 minutes 22 seconds

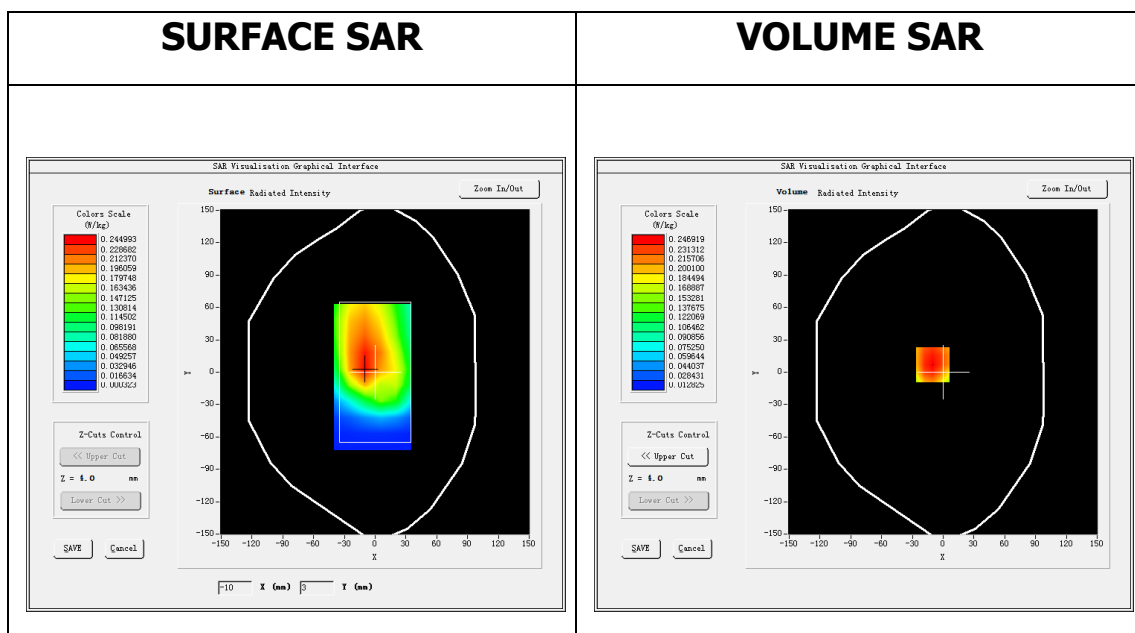
A. Experimental conditions.

<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>LTE band 5</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Duty cycle:1:1</u>
<u>Conversion factor</u>	<u>5.07</u>

B. SAR Measurement Results

Middle Band SAR (Channel 20525):

Frequency (MHz)	836.500000
Relative permittivity (real part)	53.916100
Relative permittivity (imaginary part)	21.307800
Conductivity (S/m)	0.990221
Variation (%)	-0.330000

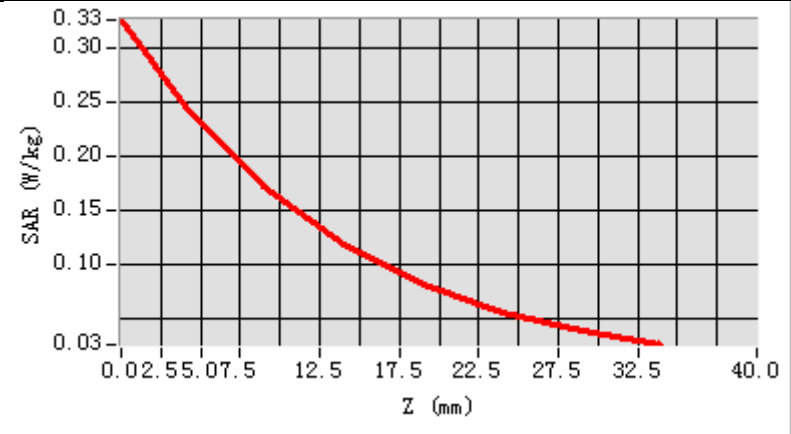


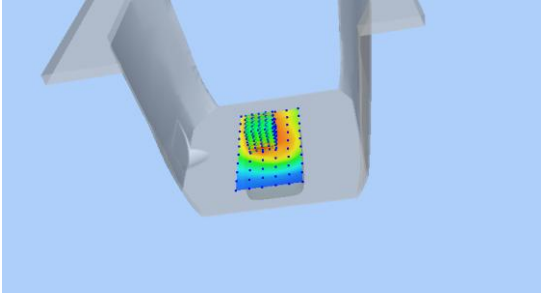
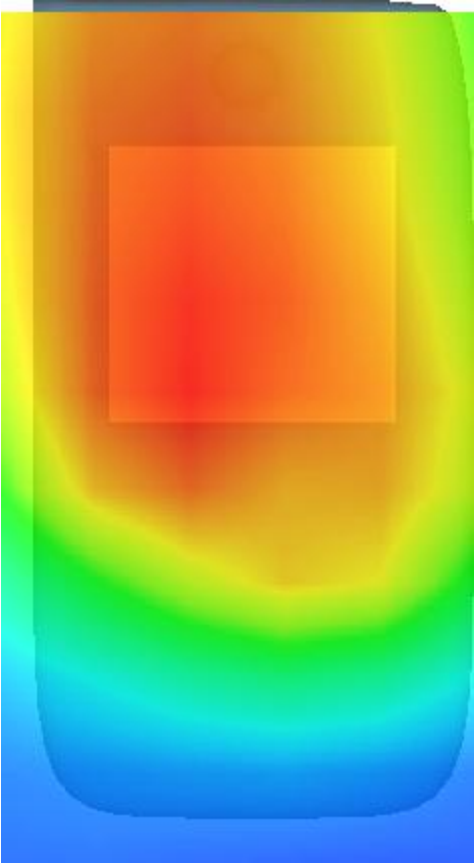
Maximum location: X=-10.00, Y=7.00

SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.166708
SAR 1g (W/Kg)	0.244074

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3264	0.2469	0.1726	0.1200	0.0829	0.0569	0.0391



3D screen shot	Hot spot position
	

MEASUREMENT 25

Type: Phone measurement (Complete)

Date of measurement: 28/3/2017

Measurement duration: 12 minutes 41 seconds

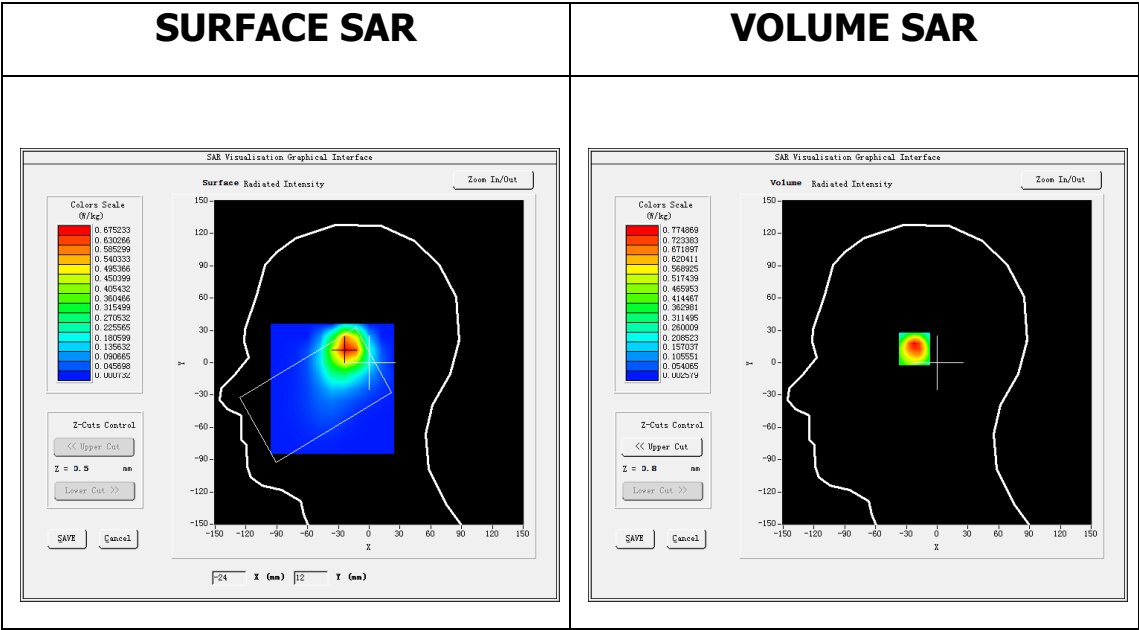
A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>7x7x7,dx=5mm dy=5mm</u> <u>dz=5mm,Complete</u>
<u>Phantom</u>	<u>Left 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>Duty cycle:1:1</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)	39.256401
Relative permittivity (imaginary part)	12.976200
Conductivity (S/m)	1.760438
Variation (%)	0.470000

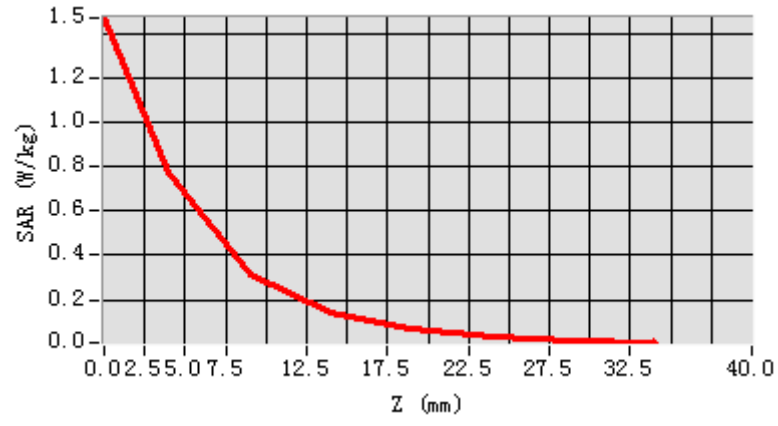


Maximum location: X=-21.00, Y=14.00

SAR Peak: 1.21 W/kg

SAR 10g (W/Kg)	0.250769
SAR 1g (W/Kg)	0.553711

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.4681	0.7749	0.3121	0.1430	0.0724	0.0291	0.0160



3D screen shot	Hot spot position
<p>A 3D model of a human head and neck region, rendered in a light blue/gray color. A small, localized area on the side of the head is highlighted with a color-coded overlay, showing a gradient from blue to red, indicating the SAR distribution. The background is a solid light blue.</p>	<p>A 3D model of a human head and neck region, rendered in a light blue/gray color. A large, prominent area on the side of the head is highlighted with a color-coded overlay, showing a gradient from blue to red, indicating the SAR distribution. The background is a solid light blue.</p>

MEASUREMENT 26

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 28/3/2017

Measurement duration: 12 minutes 5 seconds

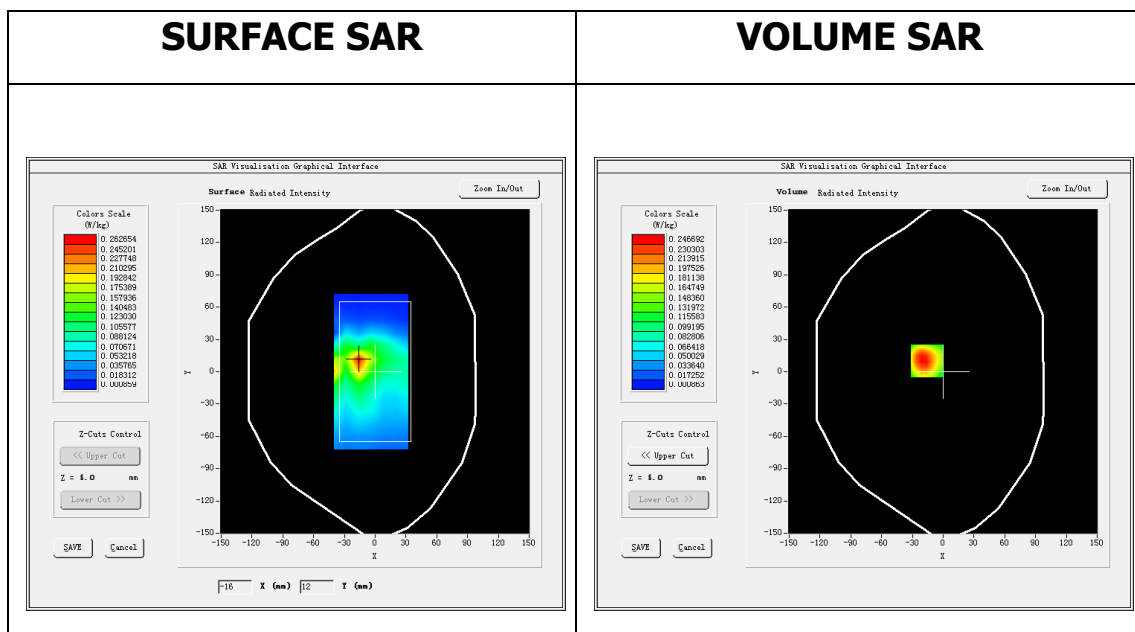
A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>7x7x7,dx=5mm dy=5mm</u> <u>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>Duty cycle:1:1</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)	52.756401
Relative permittivity (imaginary part)	14.076200
Conductivity (S/m)	1.909671
Variation (%)	-3.790000

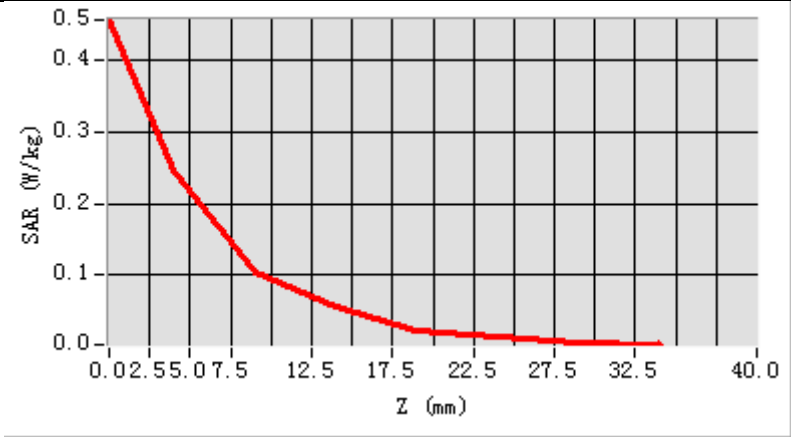


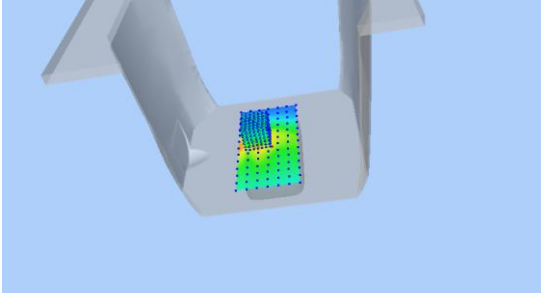
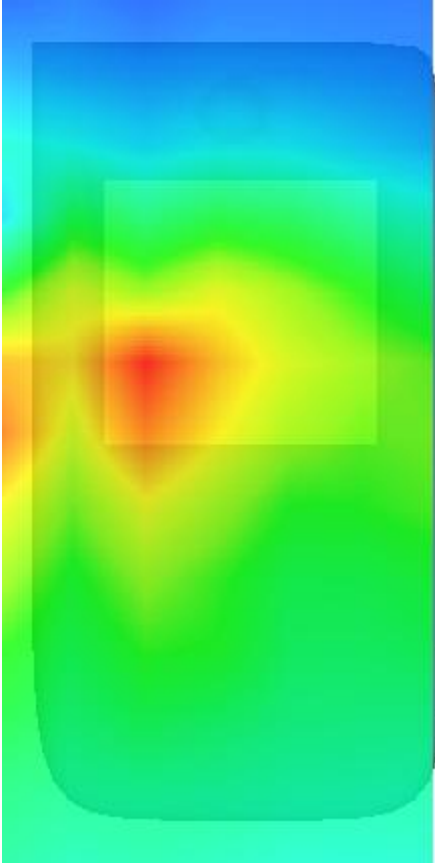
Maximum location: X=-16.00, Y=10.00

SAR Peak: 0.42 W/kg

SAR 10g (W/Kg)	0.118340
SAR 1g (W/Kg)	0.236957

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4565	0.2467	0.1027	0.0568	0.0238	0.0128	0.0053



3D screen shot	Hot spot position
	

MEASUREMENT 27

Front-side-middle

Type: Phone measurement (Complete)

Date of measurement: 28/3/2017

Measurement duration: 17 minutes 15 seconds

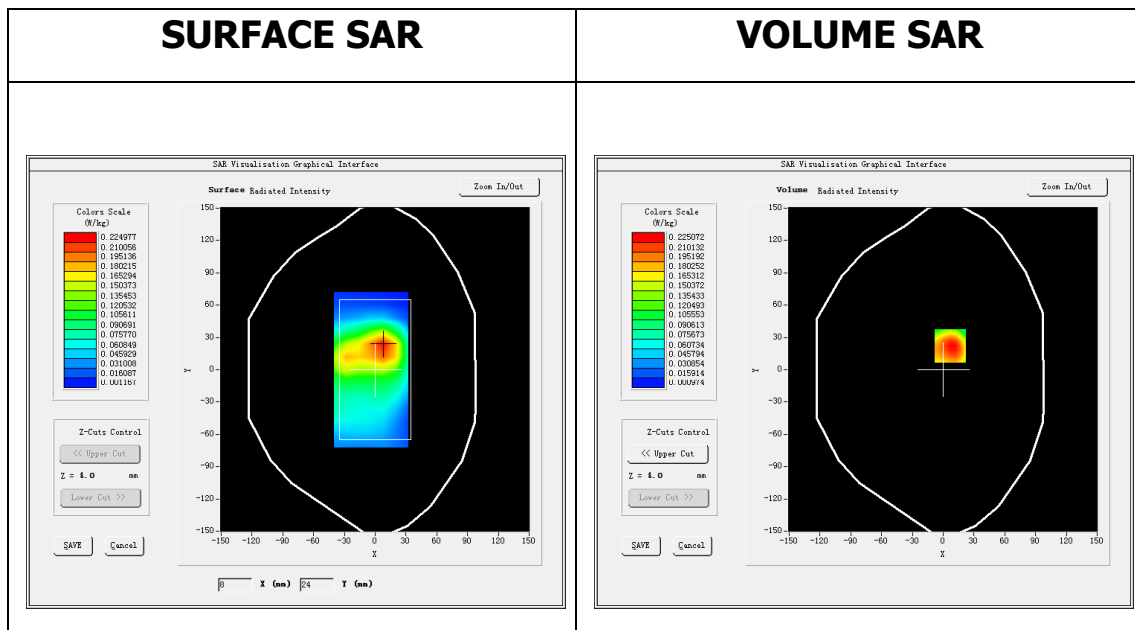
A. Experimental conditions.

<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>7x7x7,dx=5mm dy=5mm</u> <u>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>Duty cycle:1:1</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)	52.756401
Relative permittivity (imaginary part)	14.076200
Conductivity (S/m)	1.909671
Variation (%)	-1.040000

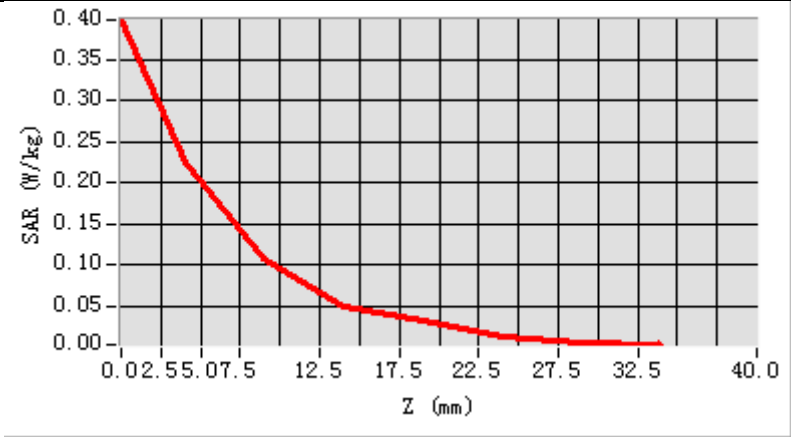


Maximum location: X=7.00, Y=22.00

SAR Peak: 0.39 W/kg

SAR 10g (W/Kg)	0.120147
SAR 1g (W/Kg)	0.238066

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3983	0.2251	0.1076	0.0484	0.0327	0.0118	0.0060



3D screen shot	Hot spot position
