



Annex B: Measurement Results

Tested Model: PG-103

**Report Number:
FCC17070748A-SAR**

MEASUREMENT 1

Rear-side-low

Type: Phone measurement (Complete)

Date of measurement: 21/11/2017

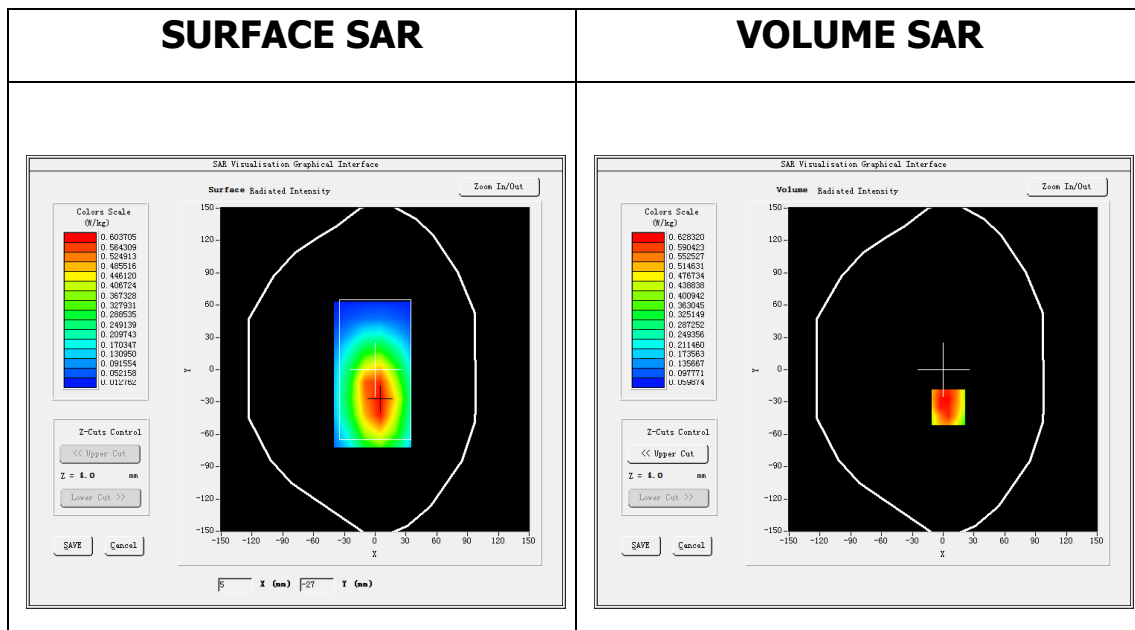
Measurement duration: 10 minutes 29 seconds

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 (%)	-0.210000

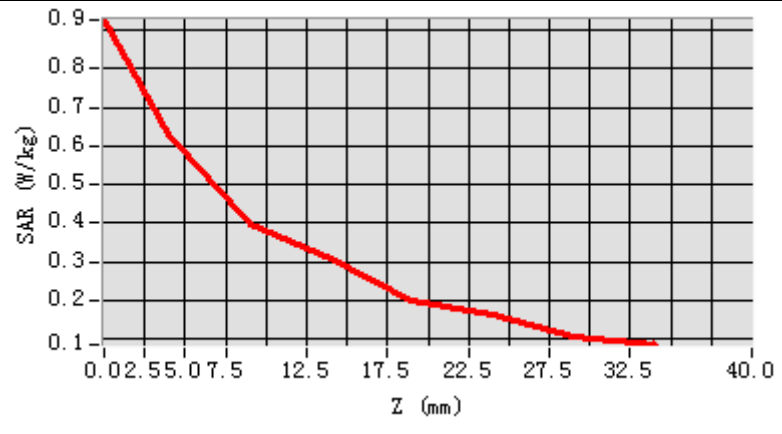


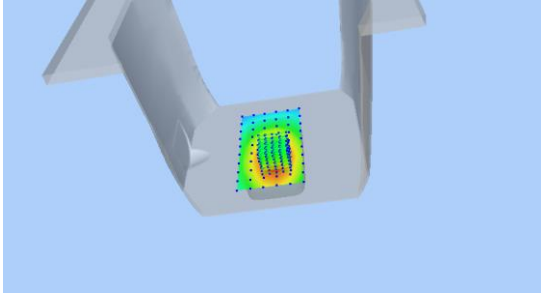
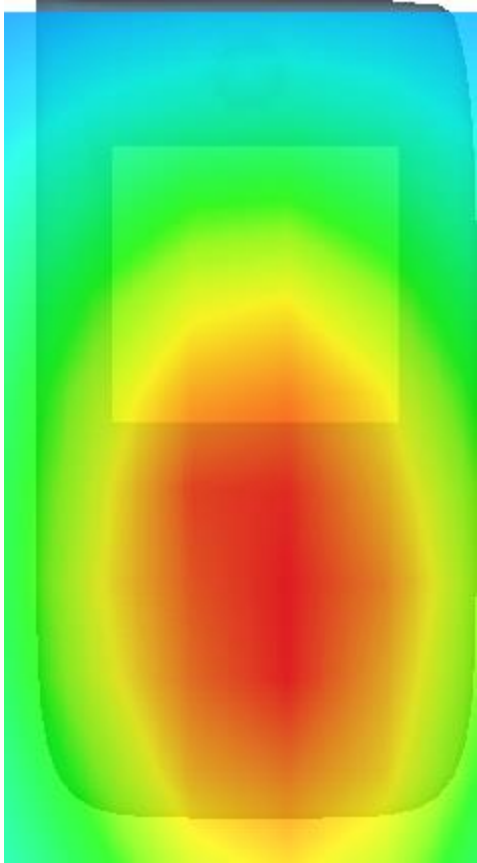
Maximum location: X=5.00, Y=-35.00

SAR Peak: 0.89 W/kg

SAR 10g (W/Kg)	0.358331
SAR 1g (W/Kg)	0.605783

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.9265	0.6283	0.3986	0.3074	0.1996	0.1633	0.1062



3D screen shot	Hot spot position
	

MEASUREMENT 2

Rear-side-high

Type: Phone measurement (Complete)

Date of measurement: 21/11/2017

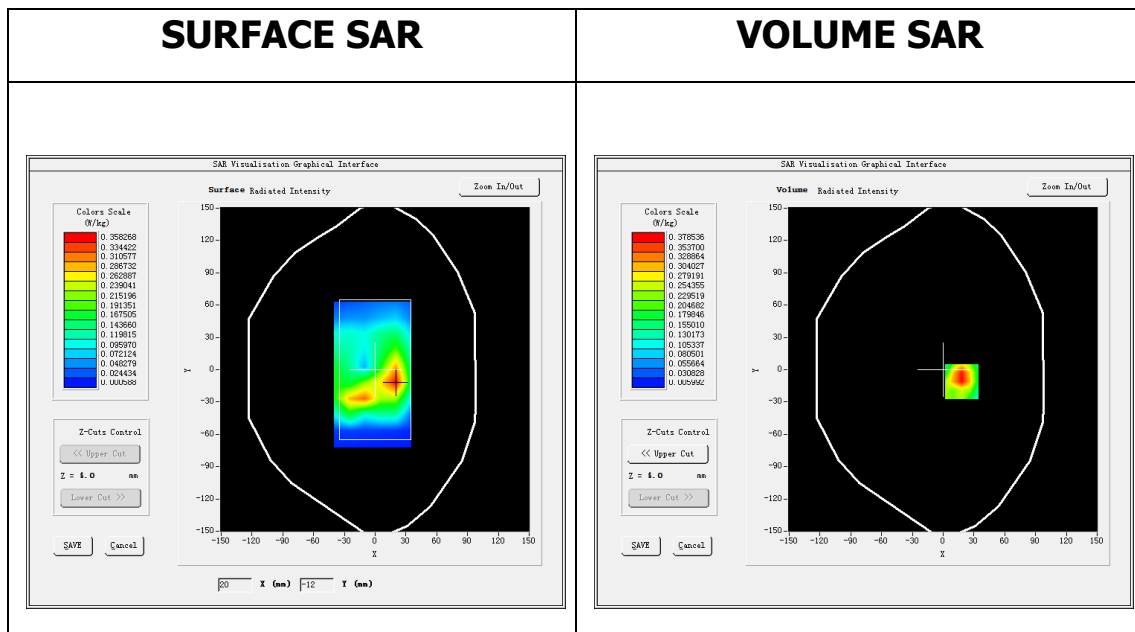
Measurement duration: 11 minutes 9 seconds

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=15mm dy=15mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</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>High</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)	1909.800049
Relative permittivity (real part)	53.368881
Relative permittivity (imaginary part)	14.769660
Conductivity (S/m)	1.567061
Variation (%)	0.300000

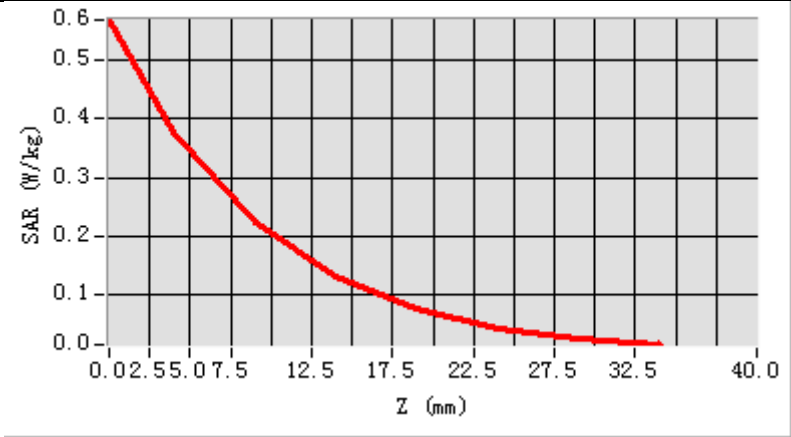


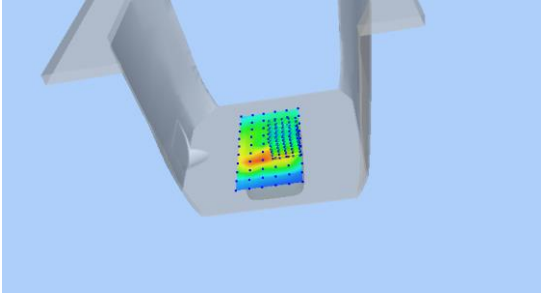
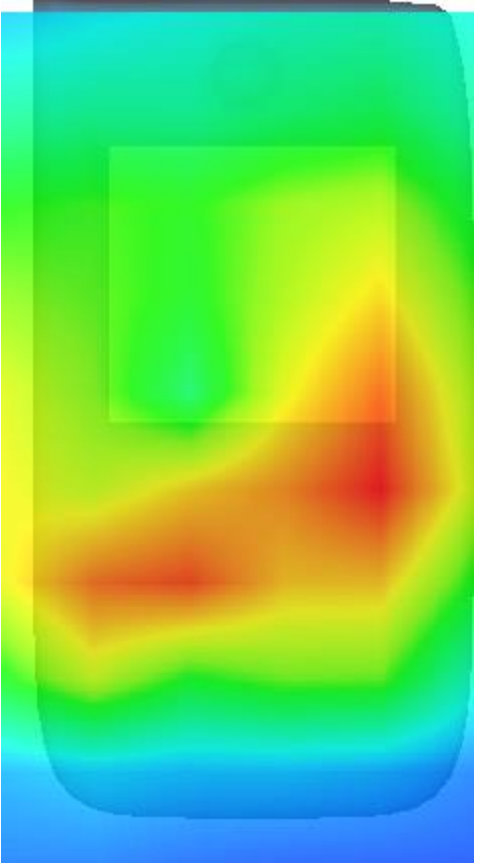
Maximum location: X=18.00, Y=-11.00

SAR Peak: 0.58 W/kg

SAR 10g (W/Kg)	0.257905
SAR 1g (W/Kg)	0.329109

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5694	0.3785	0.2218	0.1291	0.0750	0.0423	0.0243



3D screen shot	Hot spot position
	

MEASUREMENT 3

Rear-side-middle

Type: Phone measurement (Complete)

Date of measurement: 21/11/2017

Measurement duration: 11 minutes 17 seconds

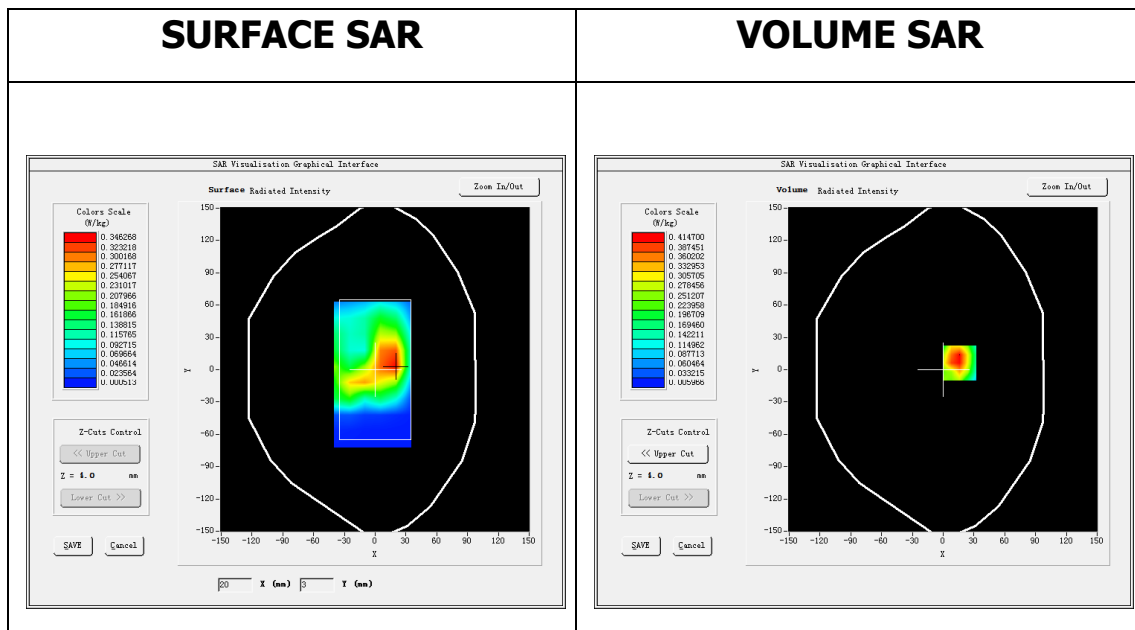
A. Experimental conditions.

<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)	39.914200
Relative permittivity (imaginary part)	13.434300
Conductivity (S/m)	1.403138
Variation (%)	0.350000

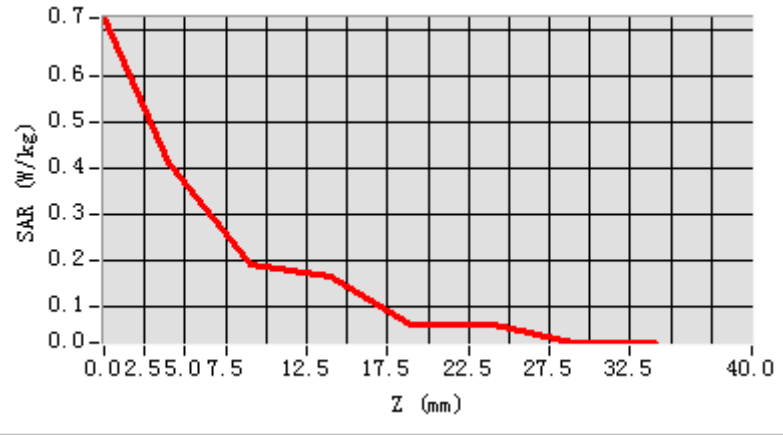


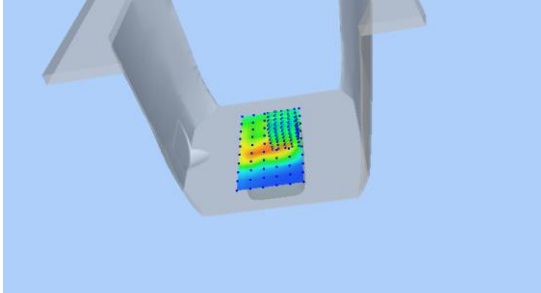
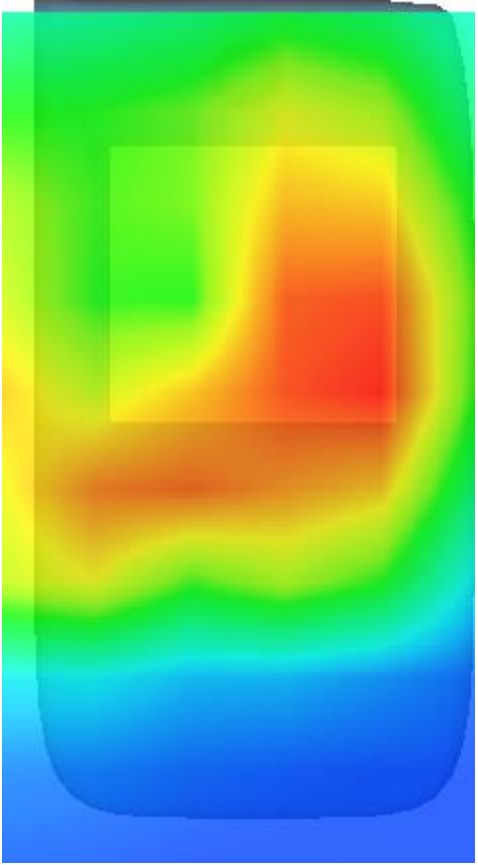
Maximu location: X=16.00, Y=6.00

SAR Peak: 0.65 W/kg

SAR 10g (W/Kg)	0.275747
SAR 1g (W/Kg)	0.429876

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.7273	0.4147	0.1920	0.1676	0.0607	0.0635	0.0227



3D screen shot	Hot spot position
	

MEASUREMENT 4

Rear-side-middle

Type: Phone measurement (Complete)

Date of measurement: 21/11/2017

Measurement duration: 11 minutes 29 seconds

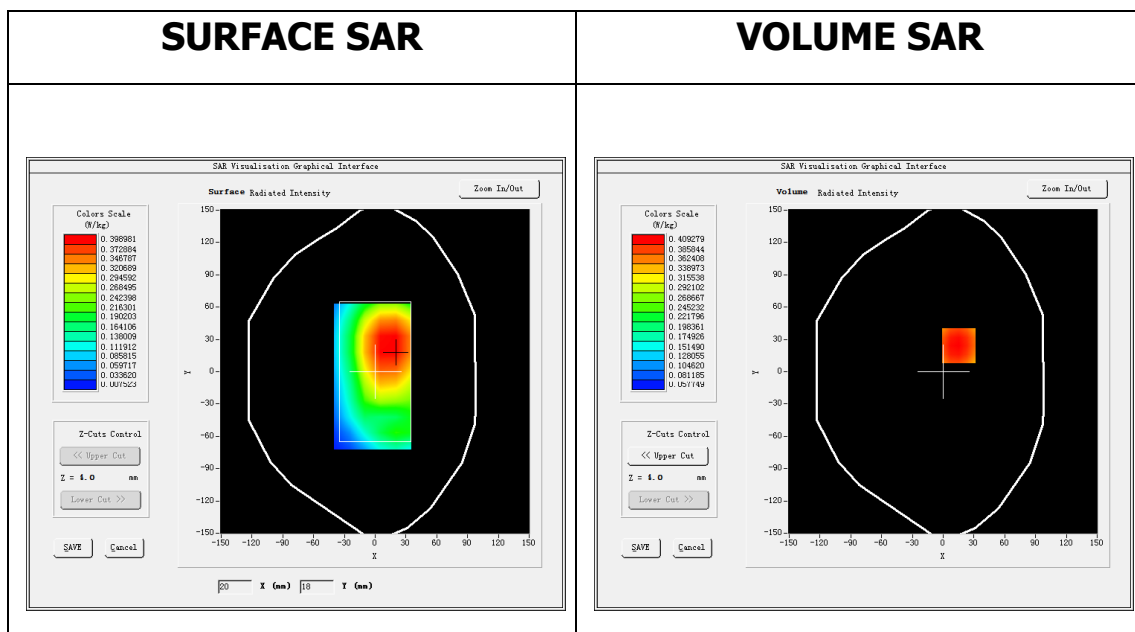
A. Experimental conditions.

<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>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 4182):

Frequency (MHz)	836.400024
Relative permittivity (real part)	53.916260
Relative permittivity (imaginary part)	21.316219
Conductivity (S/m)	0.990494
Variation (%)	-0.500000

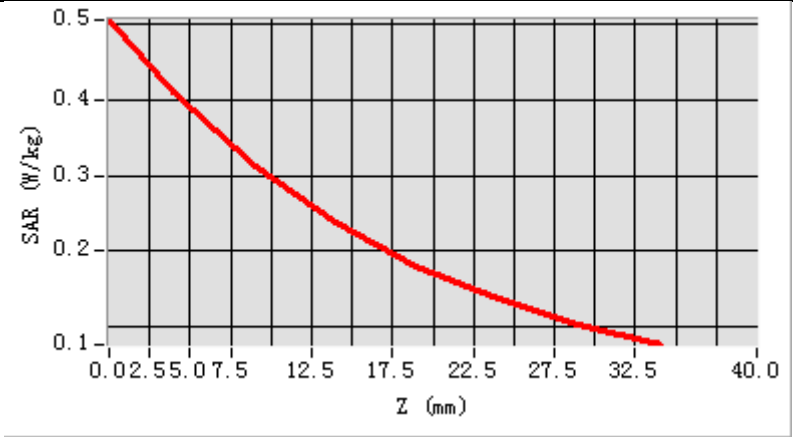


Maximum location: X=15.00, Y=24.00

SAR Peak: 0.51 W/kg

SAR 10g (W/Kg)	0.257215
SAR 1g (W/Kg)	0.356453

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5047	0.4093	0.3131	0.2386	0.1805	0.1368	0.1027



3D screen shot	Hot spot position
<p>A 3D rendering of a device, possibly a mobile phone, with a hot spot visualization. The hot spot is represented by a grid of colored dots (red, orange, yellow, green) indicating the intensity of the signal. The device is shown in a perspective view, with the hot spot located on the front face.</p>	<p>A 2D visualization of the hot spot position. It shows a color gradient from green (low intensity) to red (high intensity). The red area is concentrated in the upper right portion of the device, indicating the location of the highest signal intensity.</p>

MEASUREMENT 5

Rear-side-middle

Type: Phone measurement (Complete)

Date of measurement: 22/11/2017

Measurement duration: 10 minutes 57 seconds

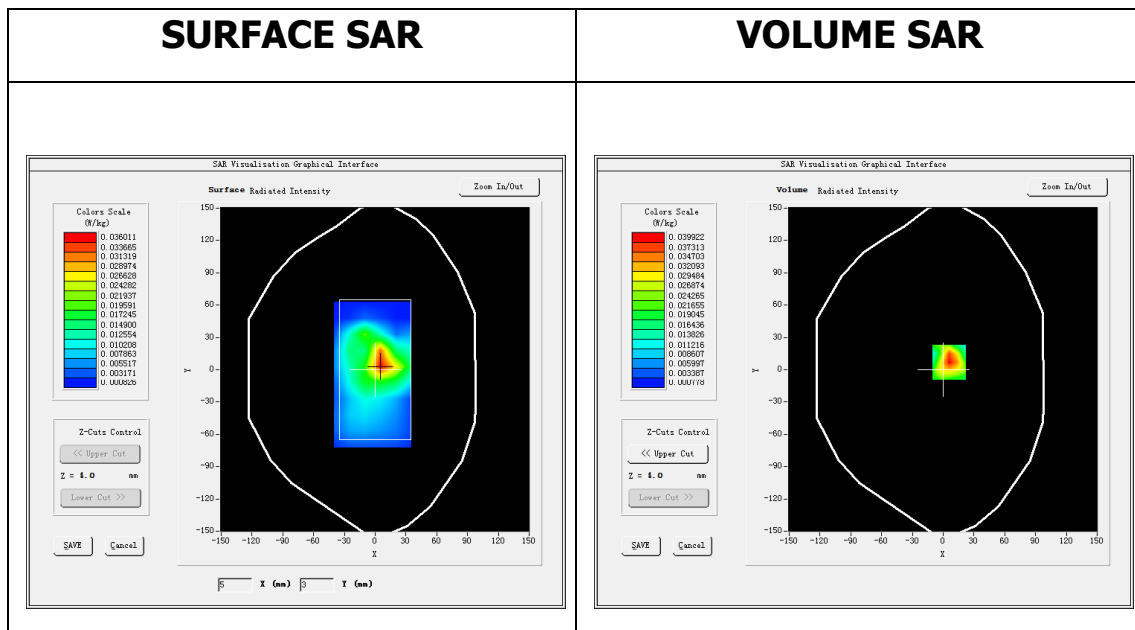
A. Experimental conditions.

<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>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 (%)	-0.260000

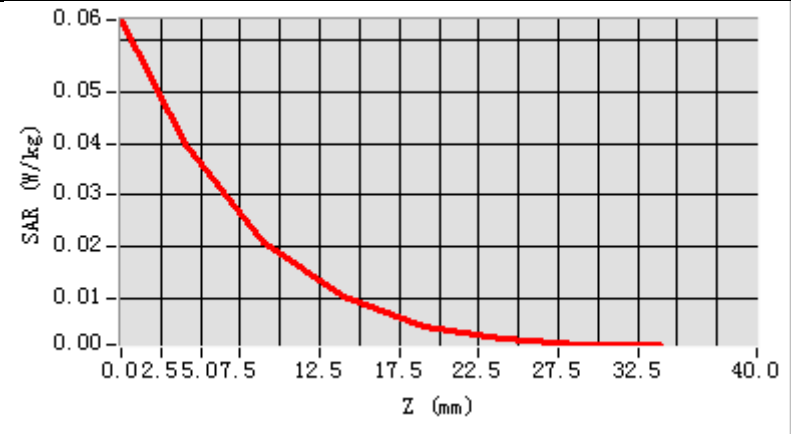


Maximum location: X=6.00, Y=7.00

SAR Peak: 0.07W/kg

SAR 10g (W/Kg)	0.035808
SAR 1g (W/Kg)	0.053424

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0741	0.0399	0.0207	0.0102	0.0045	0.0020	0.0010



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 location.</p>	<p>A 2D color map visualization of the hot spot. The background is a light blue/cyan color. A large, irregularly shaped region of higher intensity is shown in shades of green and yellow, with a central peak of red, indicating the highest SAR value.</p>