

**MEASUREMENT 86**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

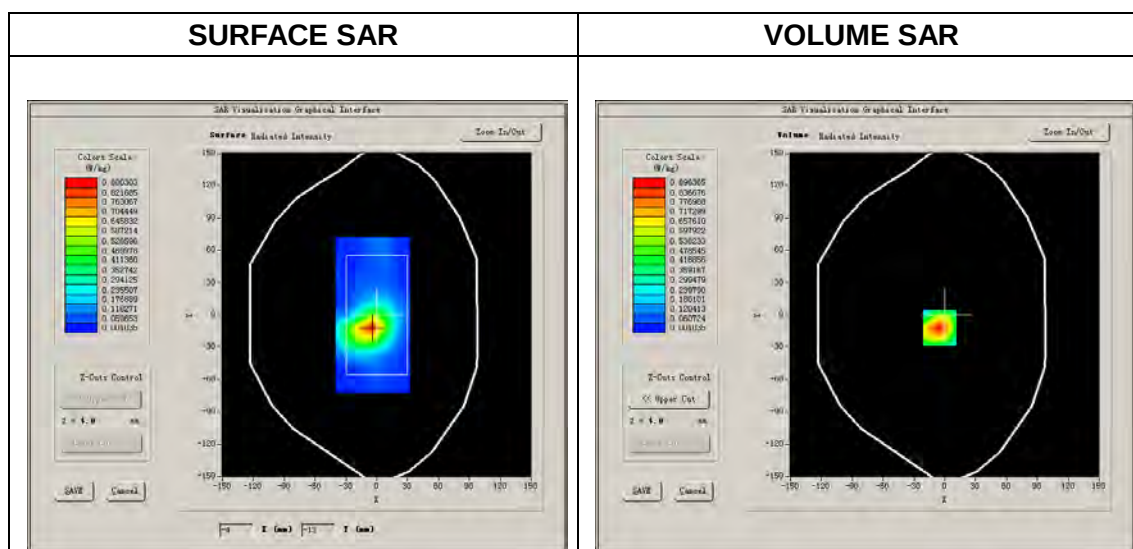
Measurement duration: 13 minutes 59 seconds

A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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>Low</u>
<u>Signal</u>	<u>LTE</u>

B. SAR Measurement ResultsLower Band SAR (Channel 20800):

Frequency (MHz)	2510.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power drift (%)	1.500000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.93
Crest factor:	1:1

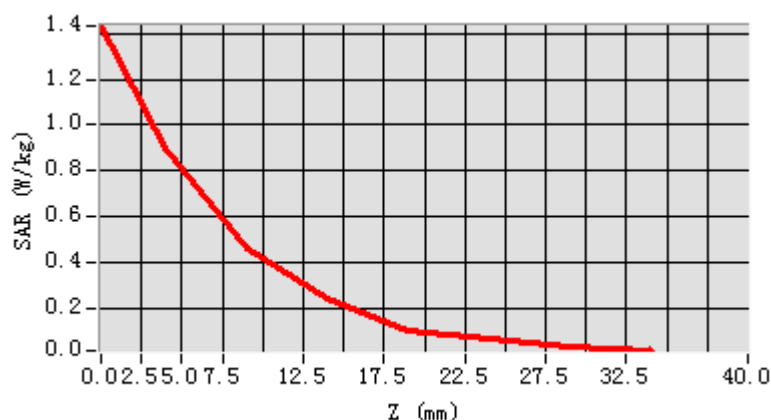


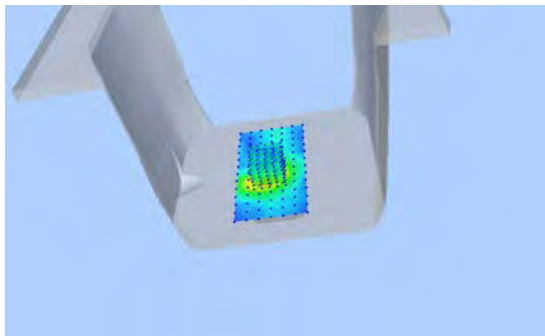
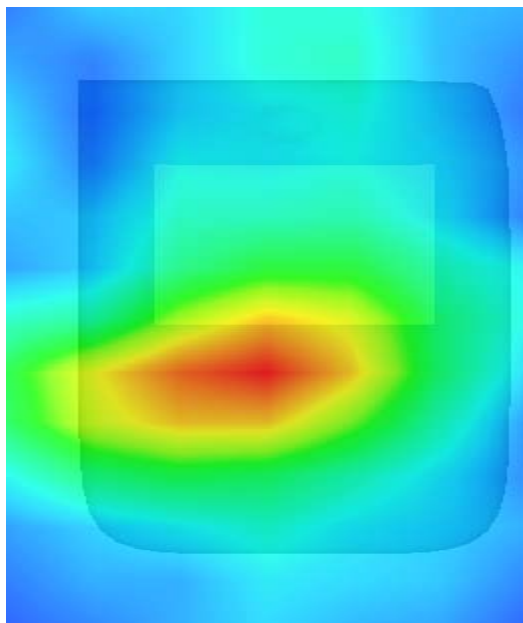
Maximum location: X=-5.00, Y=-12.00

SAR Peak: 1.43 W/kg

SAR 10g (W/Kg)	0.408989
SAR 1g (W/Kg)	0.829076

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.4339	0.8964	0.4629	0.2399	0.1022	0.0610	0.0292



3D screen shot	Hot spot position
	



MEASUREMENT 87

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

Measurement duration: 13 minutes 12 seconds

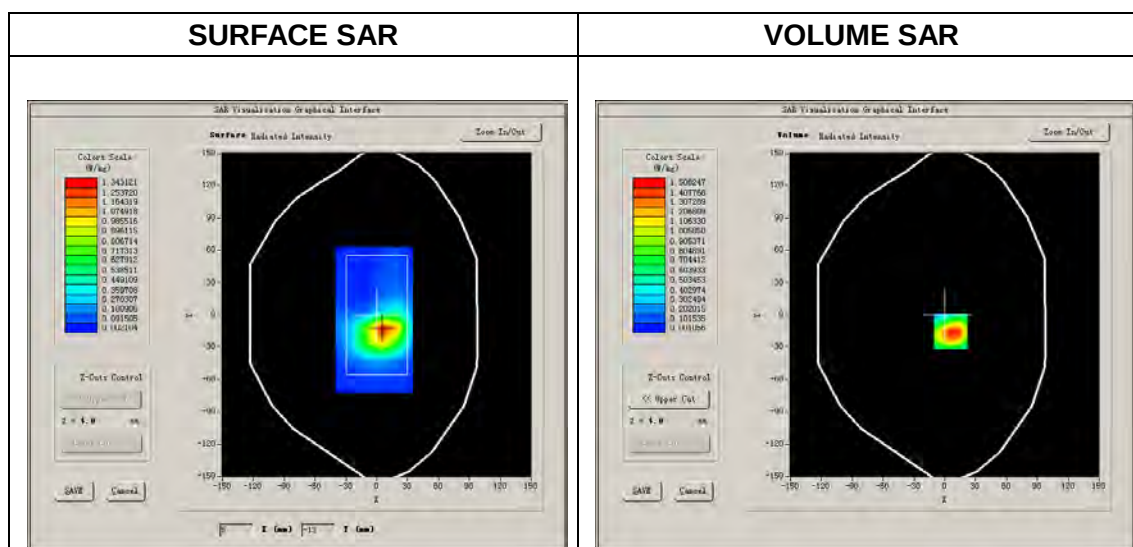
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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</u>

B. SAR Measurement Results

Middle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power drift (%)	1.500000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.93
Crest factor:	1:1

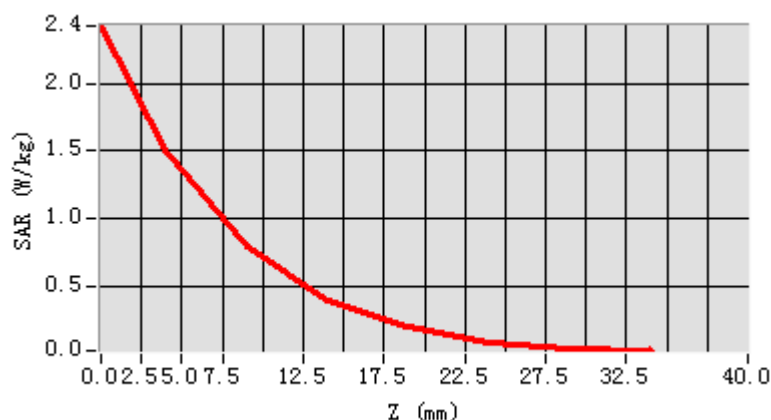


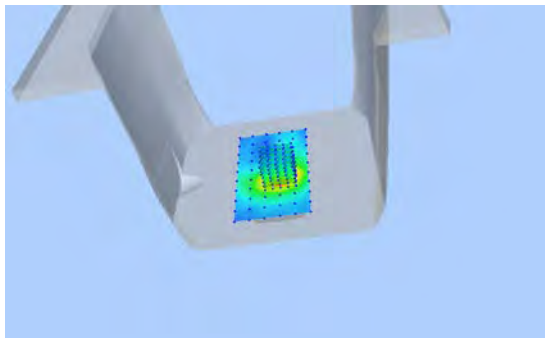
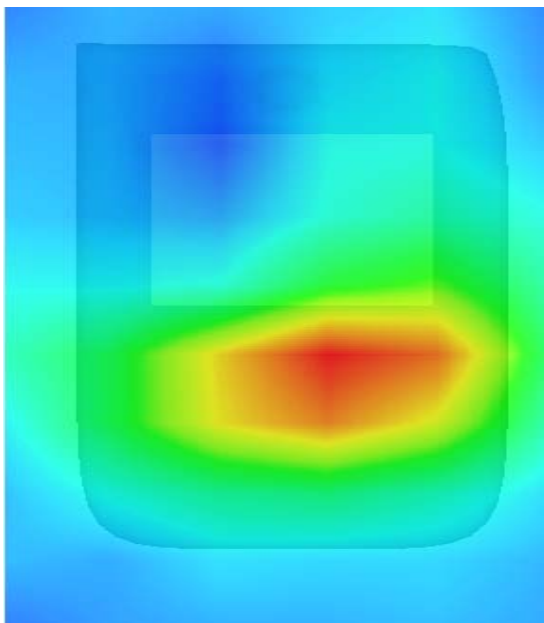
Maximum location: X=6.00, Y=-15.00

SAR Peak: 2.53 W/kg

SAR 10g (W/Kg)	0.691119
SAR 1g (W/Kg)	1.447810

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	2.4253	1.5082	0.7910	0.3942	0.2022	0.0842	0.0462



3D screen shot	Hot spot position
	



MEASUREMENT 88

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

Measurement duration: 9 minutes 33 seconds

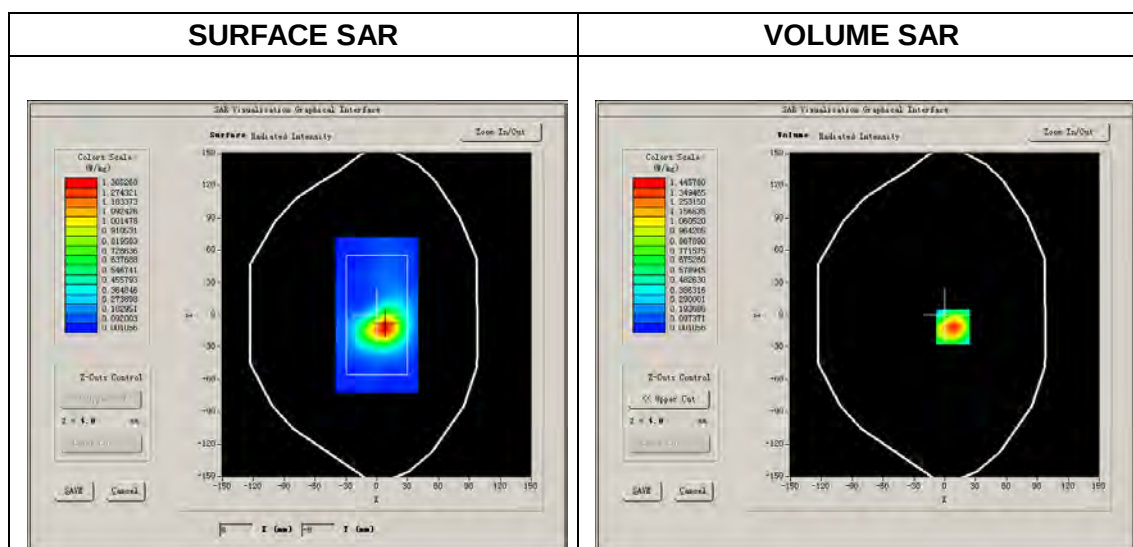
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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</u>

B. SAR Measurement Results

Middle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power drift (%)	1.500000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.93
Crest factor:	1:1



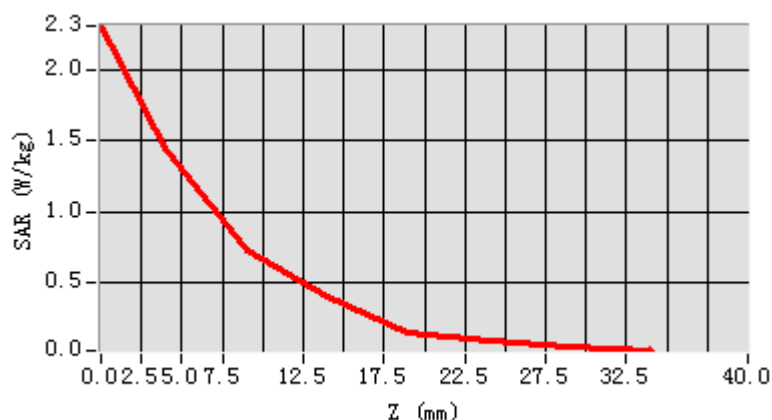


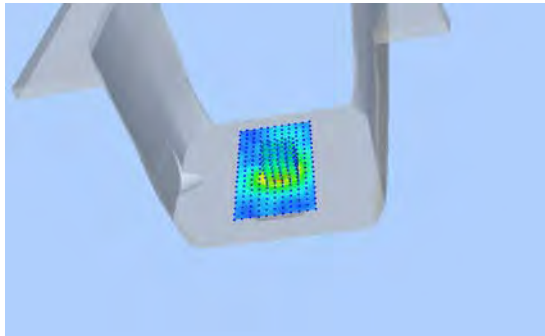
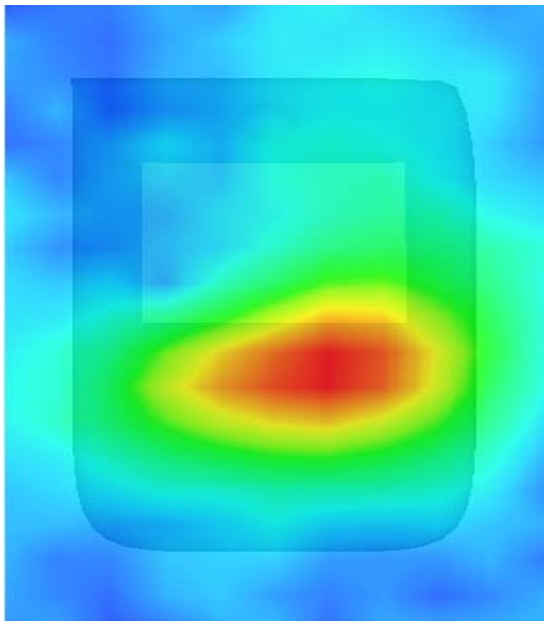
Maximum location: X=8.00, Y=-11.00

SAR Peak: 2.31 W/kg

SAR 10g (W/Kg)	0.644096
SAR 1g (W/Kg)	1.336016

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	2.3042	1.4458	0.7349	0.3978	0.1507	0.0895	0.0520



3D screen shot	Hot spot position
	



MEASUREMENT 89

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

Measurement duration: 9 minutes 32 seconds

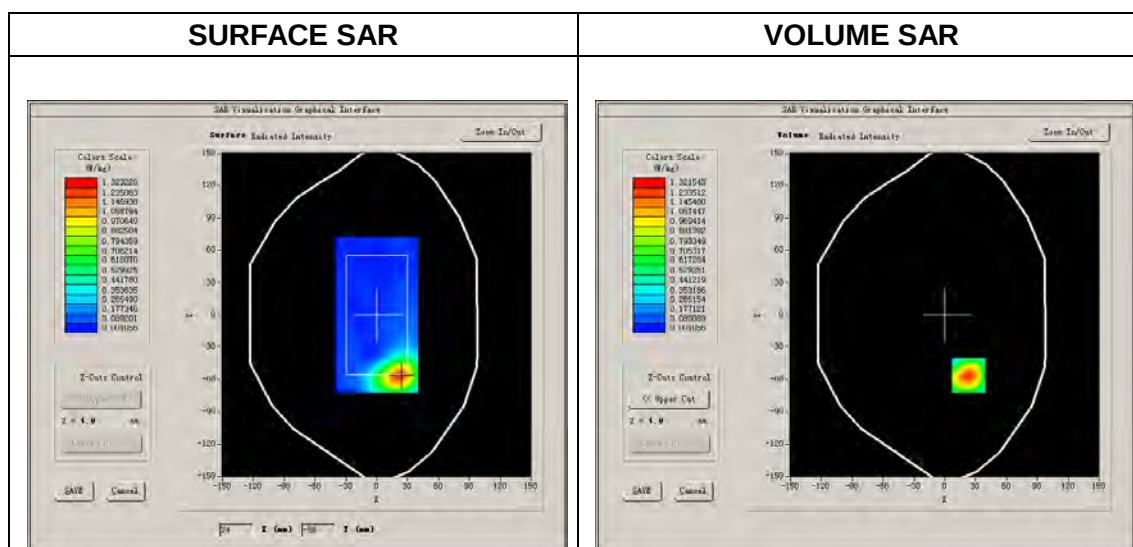
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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</u>

B. SAR Measurement Results

Middle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power drift (%)	1.500000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.93
Crest factor:	1:1





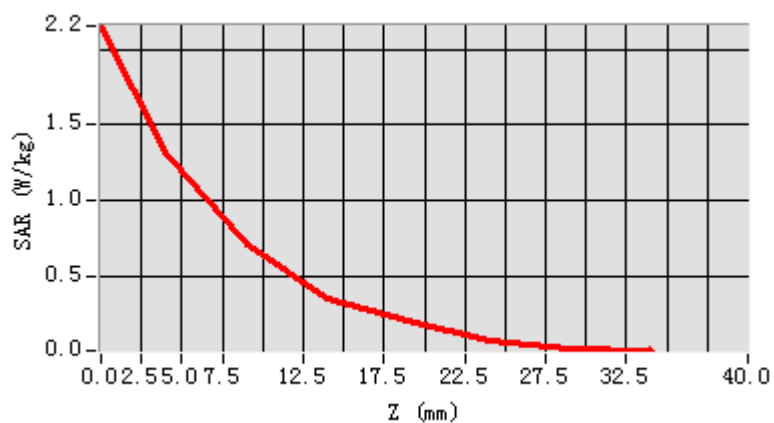
REPORT No. : SZ17070185S01

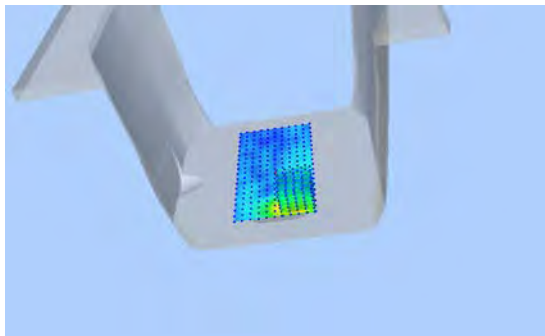
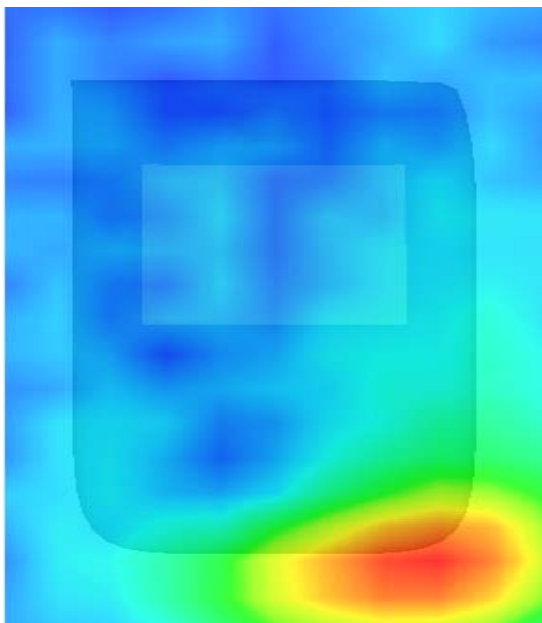
Maximum location: X=23.00, Y=-56.00

SAR Peak: 2.15 W/kg

SAR 10g (W/Kg)	0.603164
SAR 1g (W/Kg)	1.243441

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	2.1590	1.3215	0.7033	0.3532	0.2058	0.0645	0.0149



3D screen shot	Hot spot position
	



MEASUREMENT 90

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

Measurement duration: 13 minutes 0 seconds

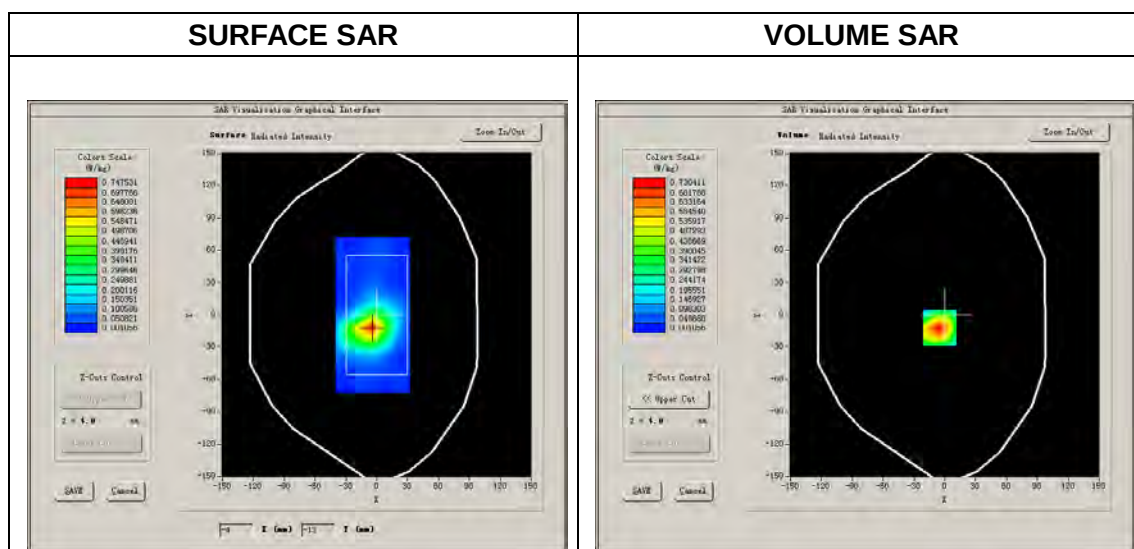
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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</u>

B. SAR Measurement Results

Middle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power drift (%)	1.500000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.93
Crest factor:	1:1

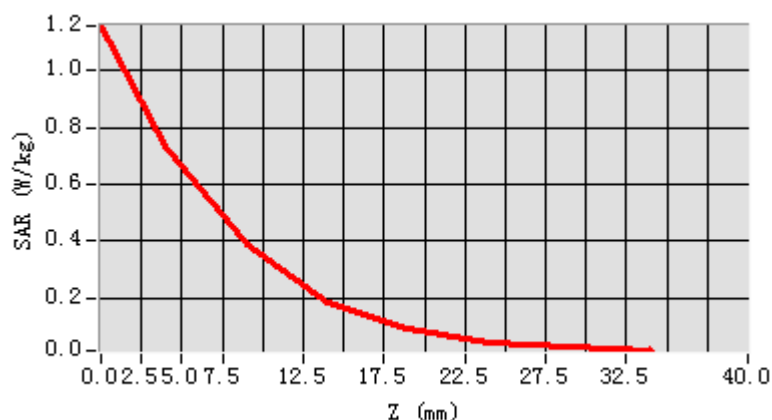


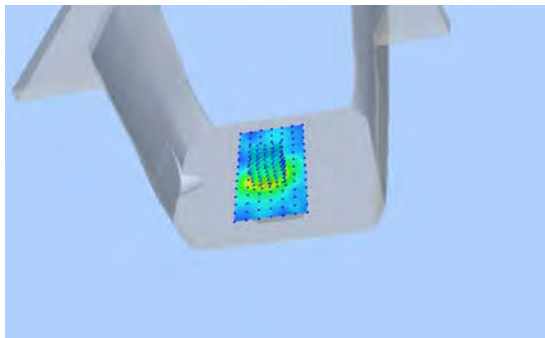
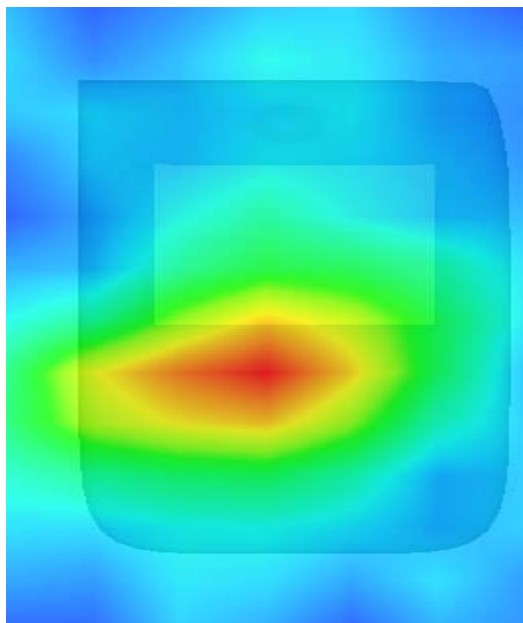
Maximum location: X=-5.00, Y=-12.00

SAR Peak: 1.16 W/kg

SAR 10g (W/Kg)	0.331239
SAR 1g (W/Kg)	0.674839

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.1573	0.7304	0.3858	0.1814	0.0934	0.0425	0.0302



3D screen shot	Hot spot position
	



MEASUREMENT 91

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

Measurement duration: 13 minutes 11 seconds

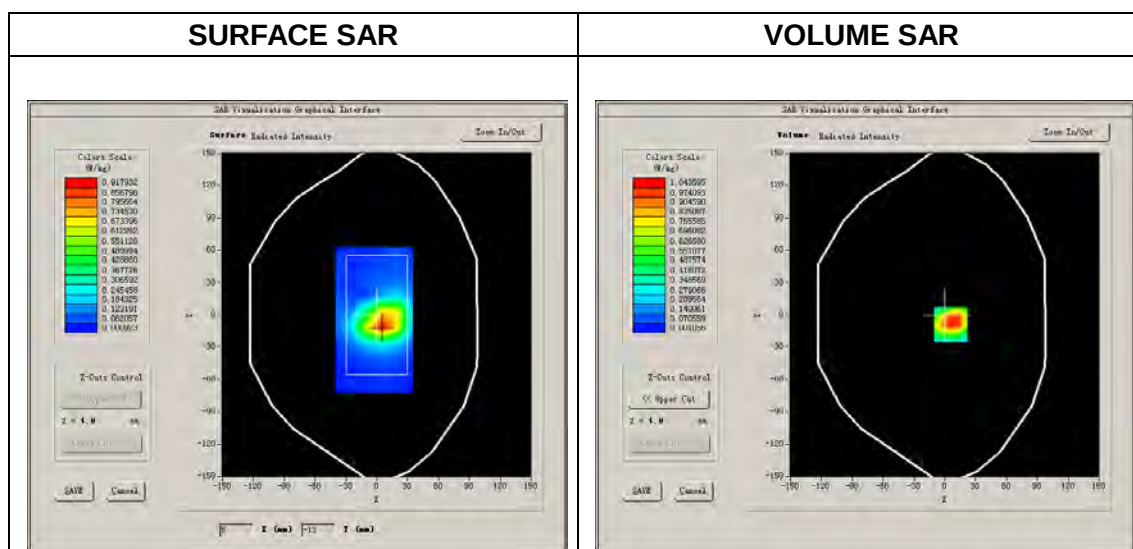
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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</u>

B. SAR Measurement Results

Middle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power drift (%)	1.500000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.93
Crest factor:	1:1



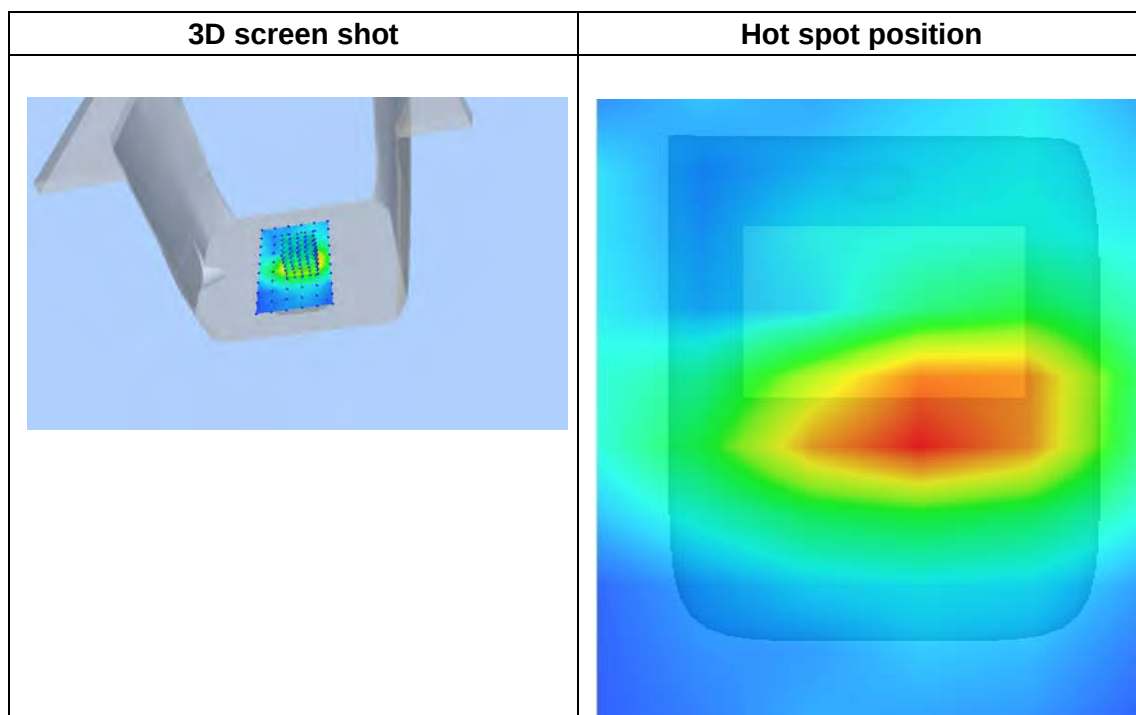
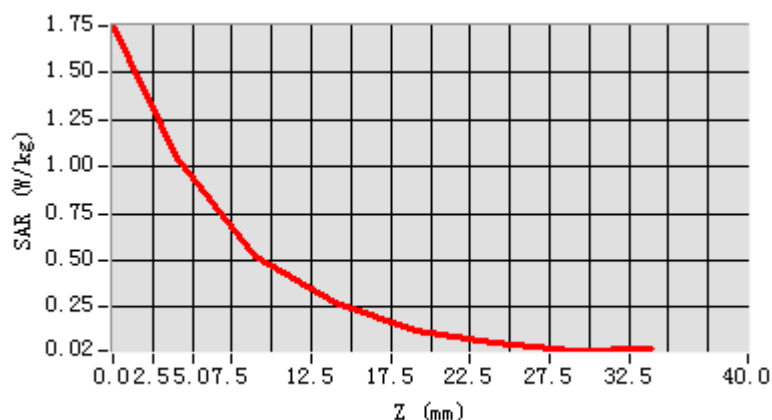


Maximum location: X=6.00, Y=-9.00

SAR Peak: 1.84 W/kg

SAR 10g (W/Kg)	0.482118
SAR 1g (W/Kg)	1.028244

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.7507	1.0436	0.5243	0.2692	0.1285	0.0644	0.0172





MEASUREMENT 92

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

Measurement duration: 13 minutes 0 seconds

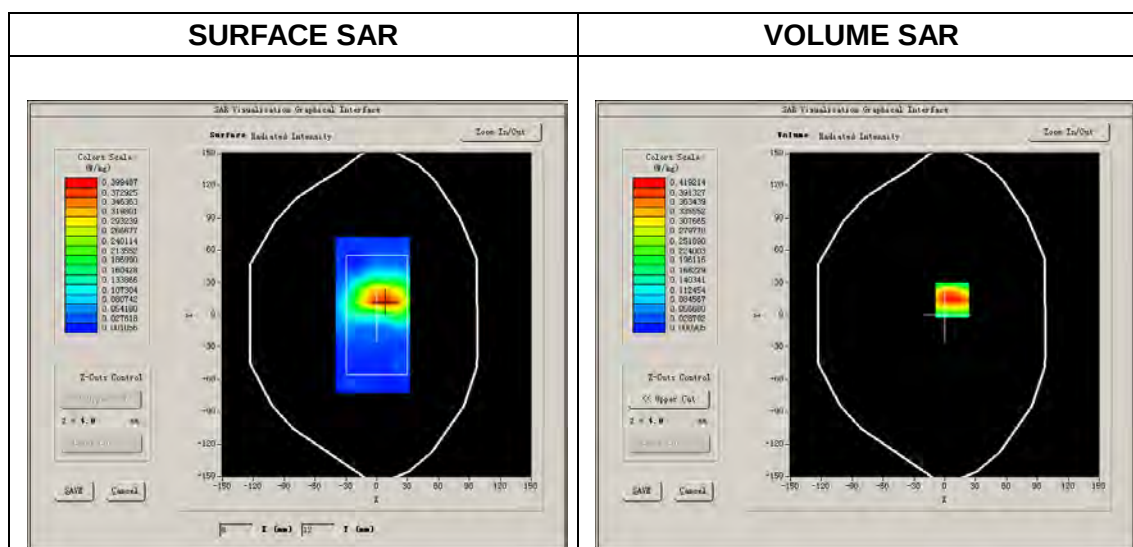
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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</u>

B. SAR Measurement Results

Middle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power drift (%)	20000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.93
Crest factor:	1:1

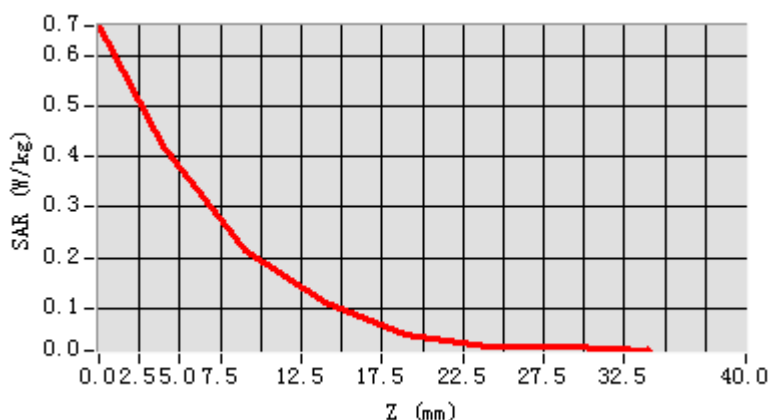


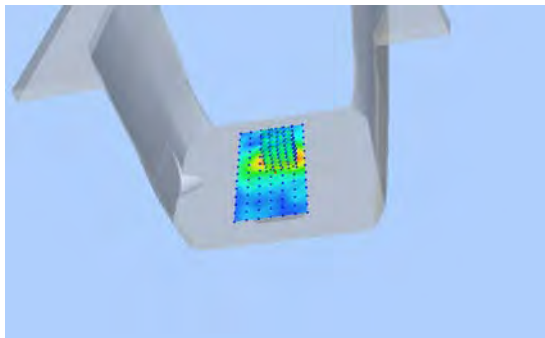
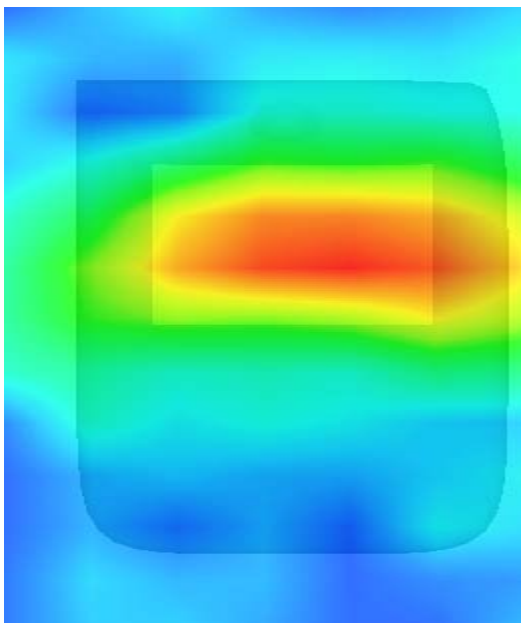
Maximum location: X=7.00, Y=14.00

SAR Peak: 0.70 W/kg

SAR 10g (W/Kg)	0.199201
SAR 1g (W/Kg)	0.397969

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6587	0.4192	0.2164	0.1107	0.0480	0.0256	0.0247



3D screen shot	Hot spot position
	



MEASUREMENT 93

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

Measurement duration: 13 minutes 11 seconds

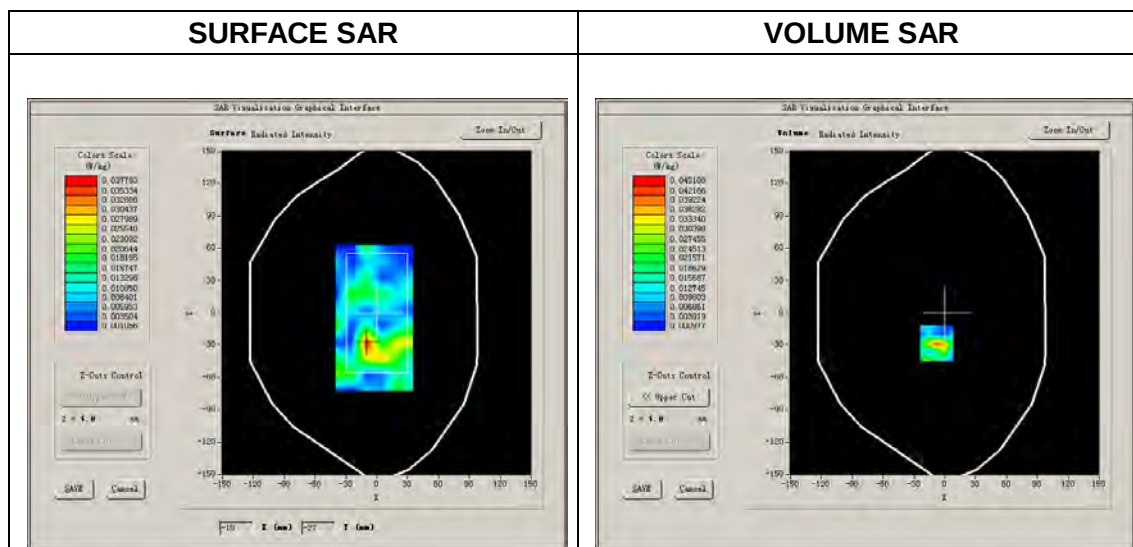
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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</u>

B. SAR Measurement Results

Middle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power drift (%)	1.500000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.93
Crest factor:	1:1





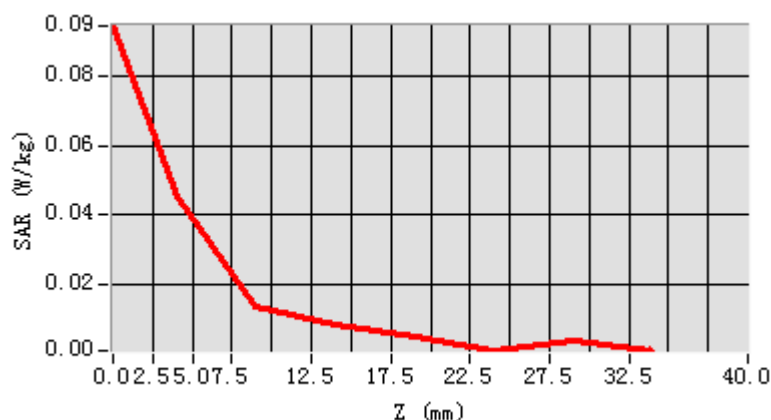
REPORT No. : SZ17070185S01

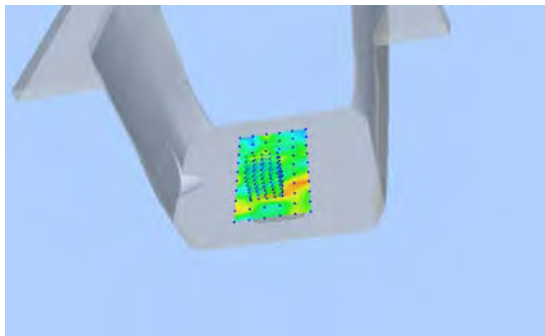
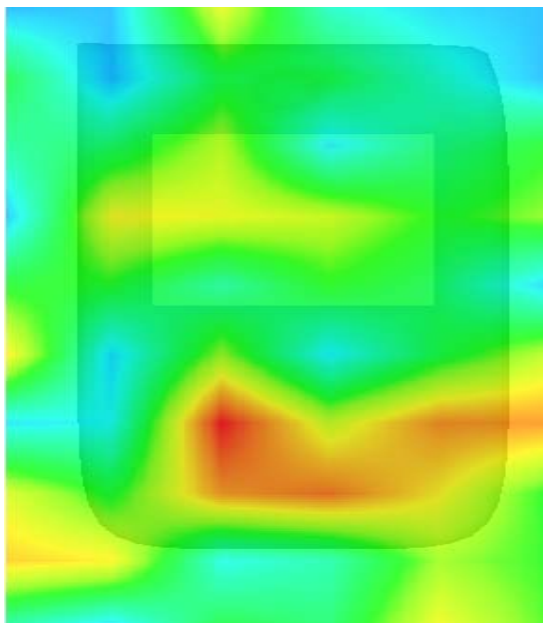
Maximum location: X=-8.00, Y=-28.00

SAR Peak: 0.11 W/kg

SAR 10g (W/Kg)	0.015285
SAR 1g (W/Kg)	0.041875

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0942	0.0451	0.0135	0.0083	0.0053	0.0011	0.0041



3D screen shot	Hot spot position
	

**MEASUREMENT 94**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

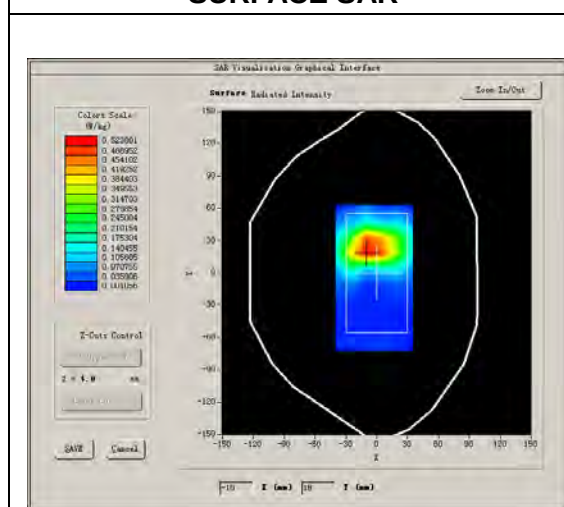
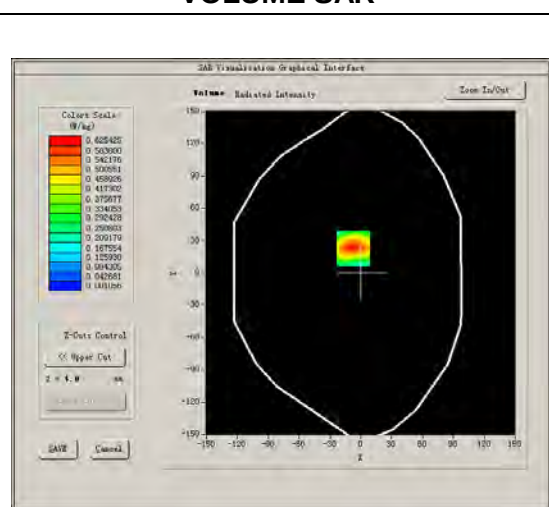
Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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</u>

B. SAR Measurement ResultsMiddle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power drift (%)	1.500000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.93
Crest factor:	1:1

SURFACE SAR**VOLUME SAR**

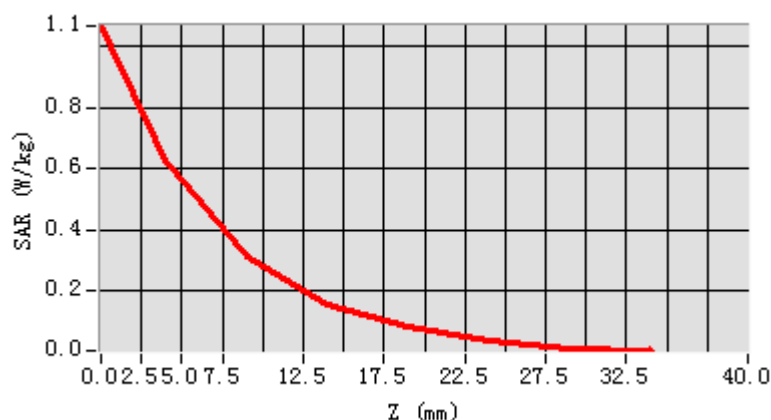


Maximum location: X=-7.00, Y=23.00

SAR Peak: 1.08 W/kg

SAR 10g (W/Kg)	0.296467
SAR 1g (W/Kg)	0.604908

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.0671	0.6254	0.3100	0.1552	0.0845	0.0353	0.0104



3D screen shot	Hot spot position



MEASUREMENT 95

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

Measurement duration: 13 minutes 12 seconds

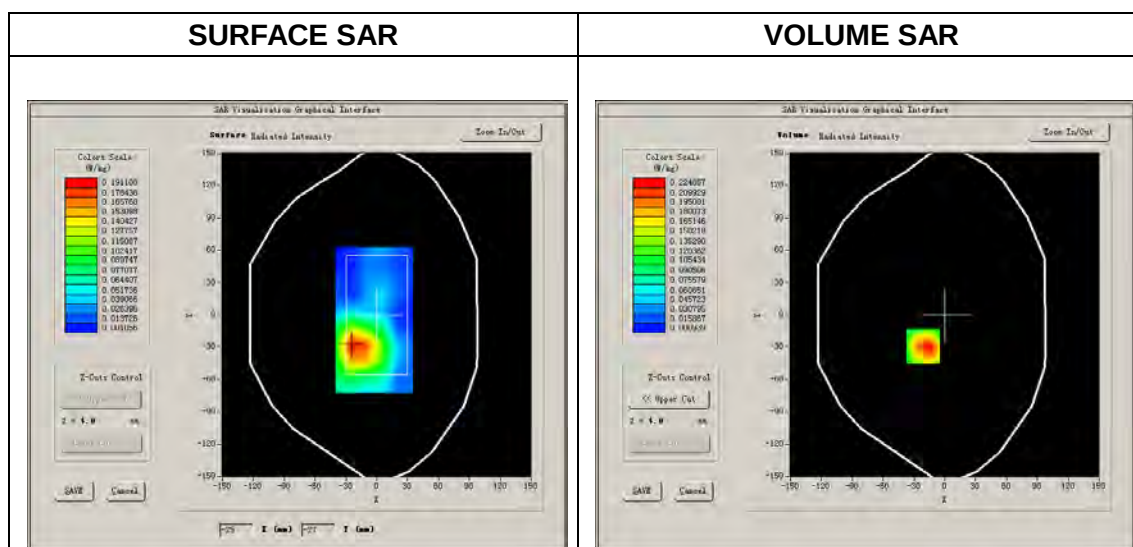
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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</u>

B. SAR Measurement Results

Middle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power drift (%)	1.500000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.93
Crest factor:	1:1

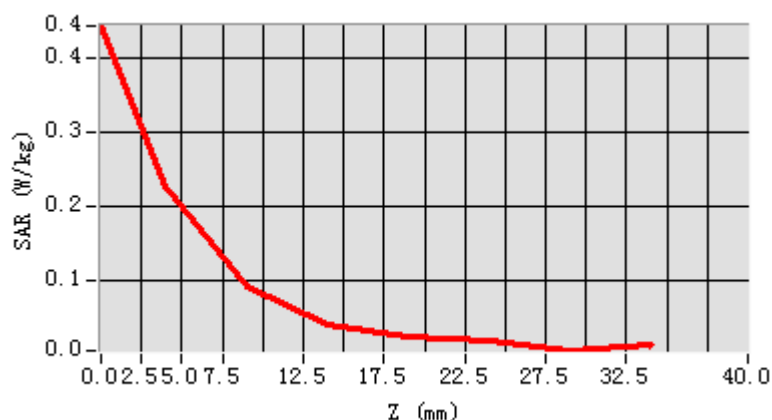


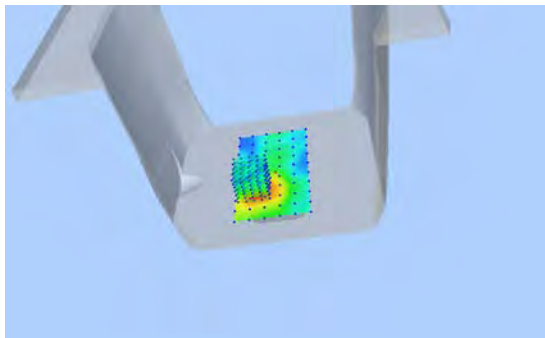
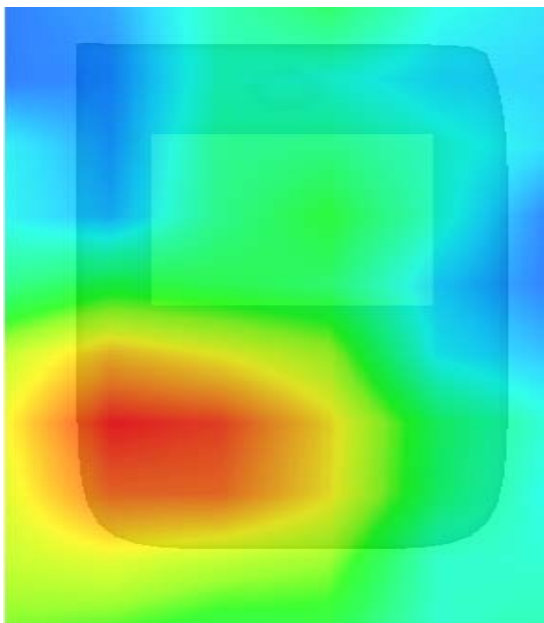
Maximum location: X=-21.00, Y=-29.00

SAR Peak: 0.43 W/kg

SAR 10g (W/Kg)	0.104049
SAR 1g (W/Kg)	0.217635

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4431	0.2249	0.0911	0.0378	0.0238	0.0162	0.0038



3D screen shot	Hot spot position
	



MEASUREMENT 96

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

Measurement duration: 13 minutes 58 seconds

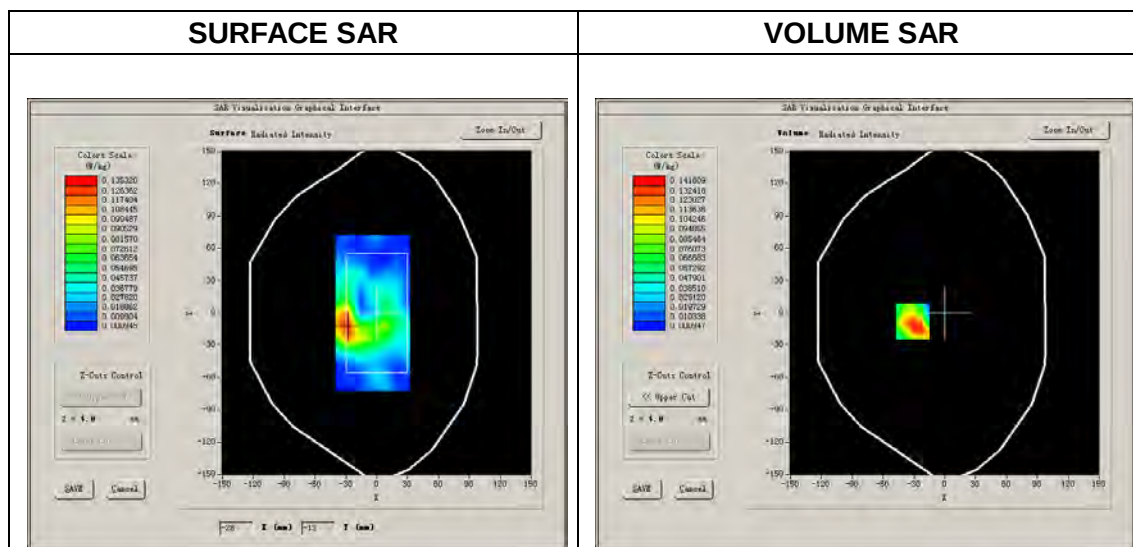
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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</u>

B. SAR Measurement Results

Middle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power drift (%)	1.500000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.93
Crest factor:	1:1

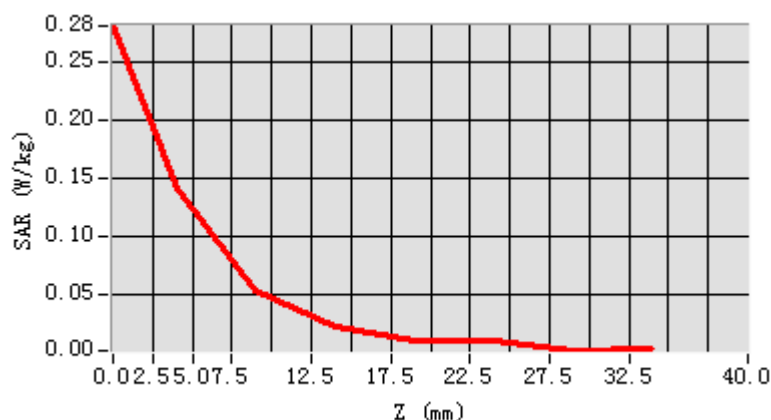


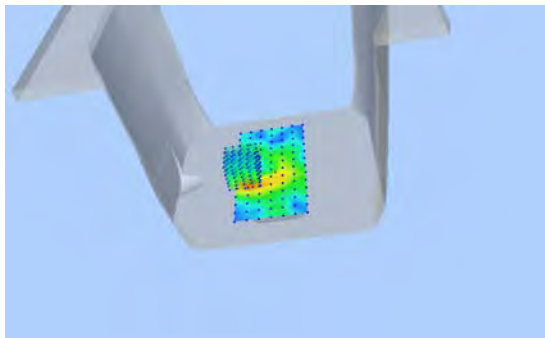
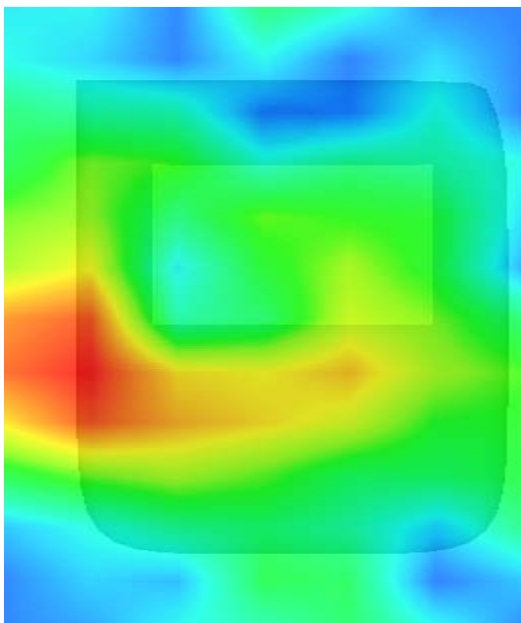
Maximum location: X=-31.00, Y=-8.00

SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.066177
SAR 1g (W/Kg)	0.138592

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2811	0.1418	0.0535	0.0219	0.0093	0.0095	0.0011



3D screen shot	Hot spot position
	



MEASUREMENT 97

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

Measurement duration: 13 minutes 11 seconds

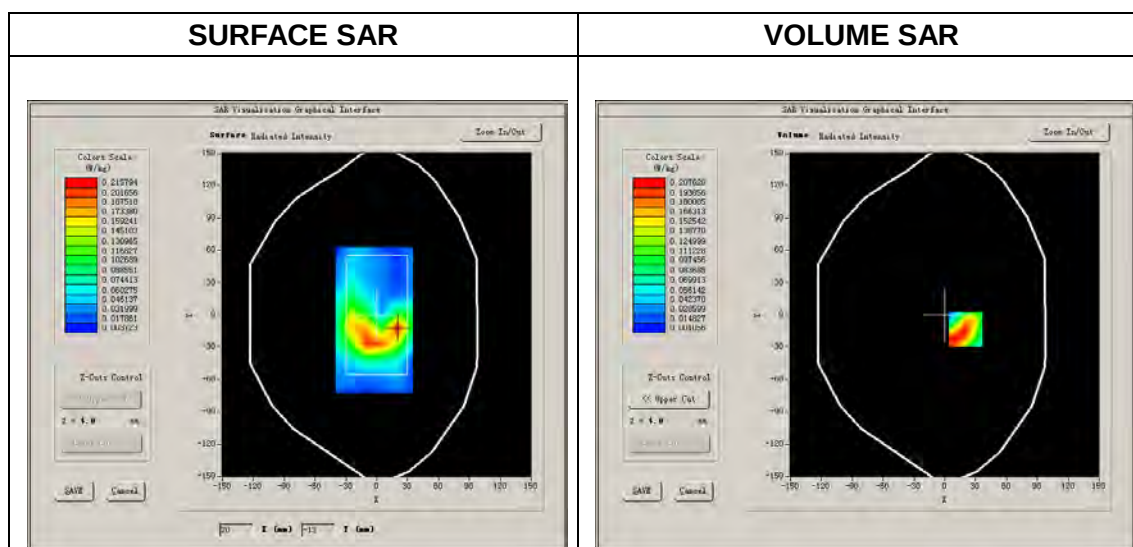
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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</u>

B. SAR Measurement Results

Middle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power drift (%)	1.500000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.93
Crest factor:	1:1

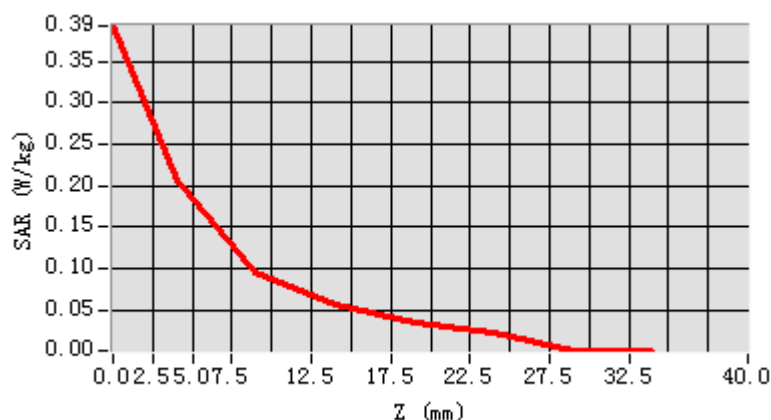


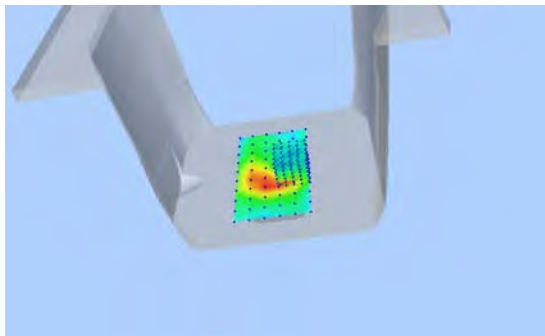
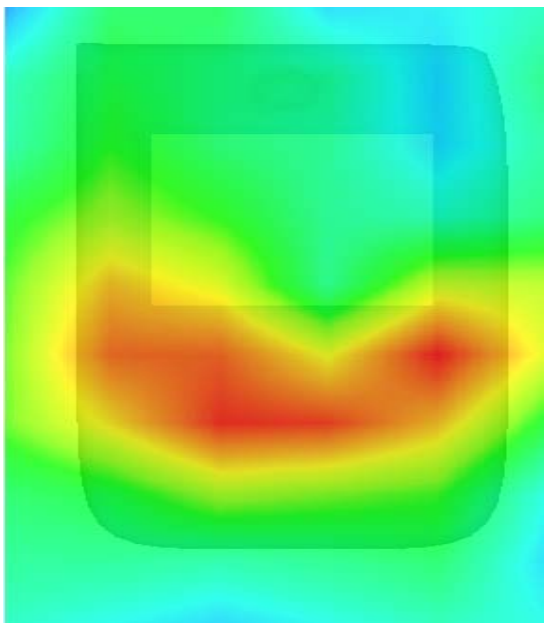
Maximum location: X=20.00, Y=-13.00

SAR Peak: 0.39 W/kg

SAR 10g (W/Kg)	0.097484
SAR 1g (W/Kg)	0.206233

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3929	0.2076	0.0955	0.0561	0.0353	0.0233	0.0011



3D screen shot	Hot spot position
	

**MEASUREMENT 98**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

Measurement duration: 13 minutes 58 seconds

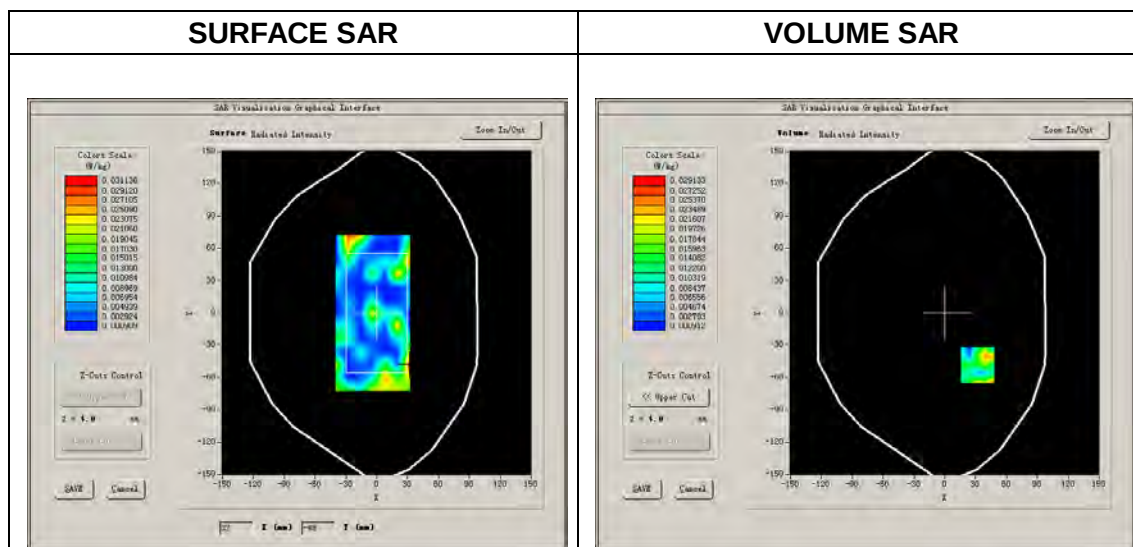
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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</u>

B. SAR Measurement Results

Middle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power drift (%)	1.500000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.93
Crest factor:	1:1

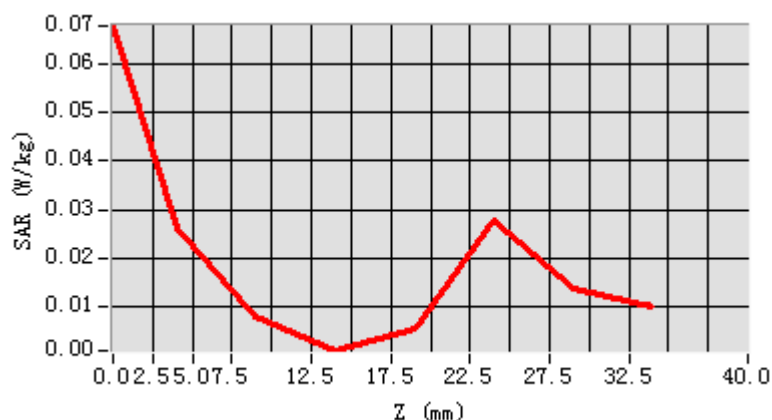


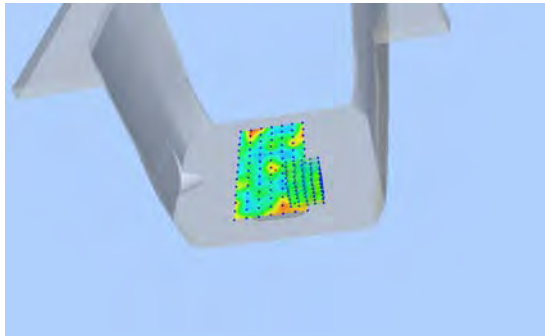
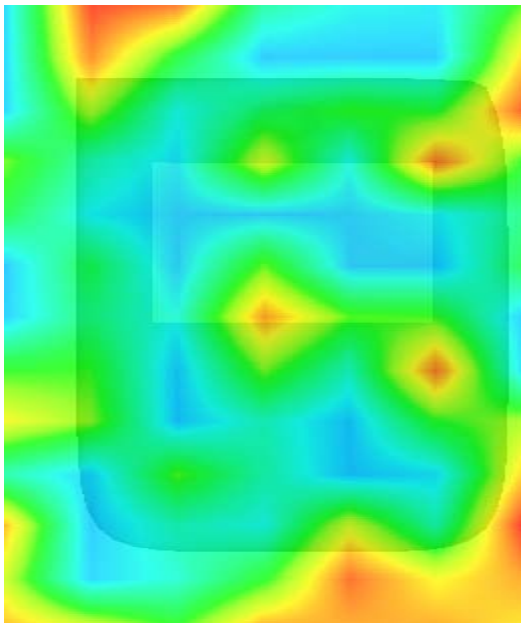
Maximum location: X=32.00, Y=-48.00

SAR Peak: 0.08 W/kg

SAR 10g (W/Kg)	0.011967
SAR 1g (W/Kg)	0.021264

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0676	0.0263	0.0082	0.0011	0.0057	0.0276	0.0137



3D screen shot	Hot spot position
	



MEASUREMENT 99

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

Measurement duration: 13 minutes 59 seconds

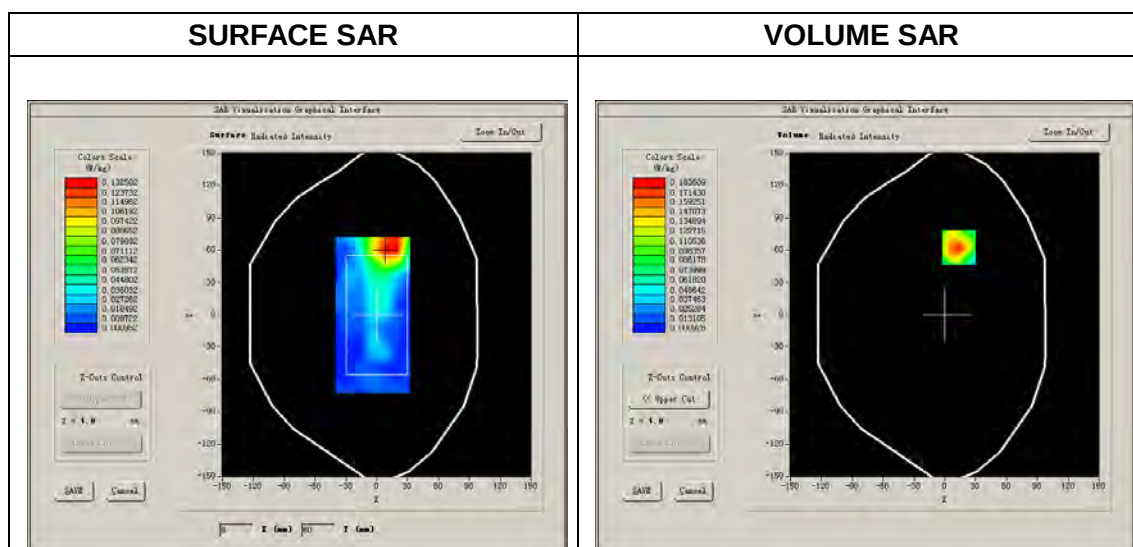
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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</u>

B. SAR Measurement Results

Middle Band SAR (Channel 21100):

Frequency (MHz)	2535.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power drift (%)	1.500000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.93
Crest factor:	1:1



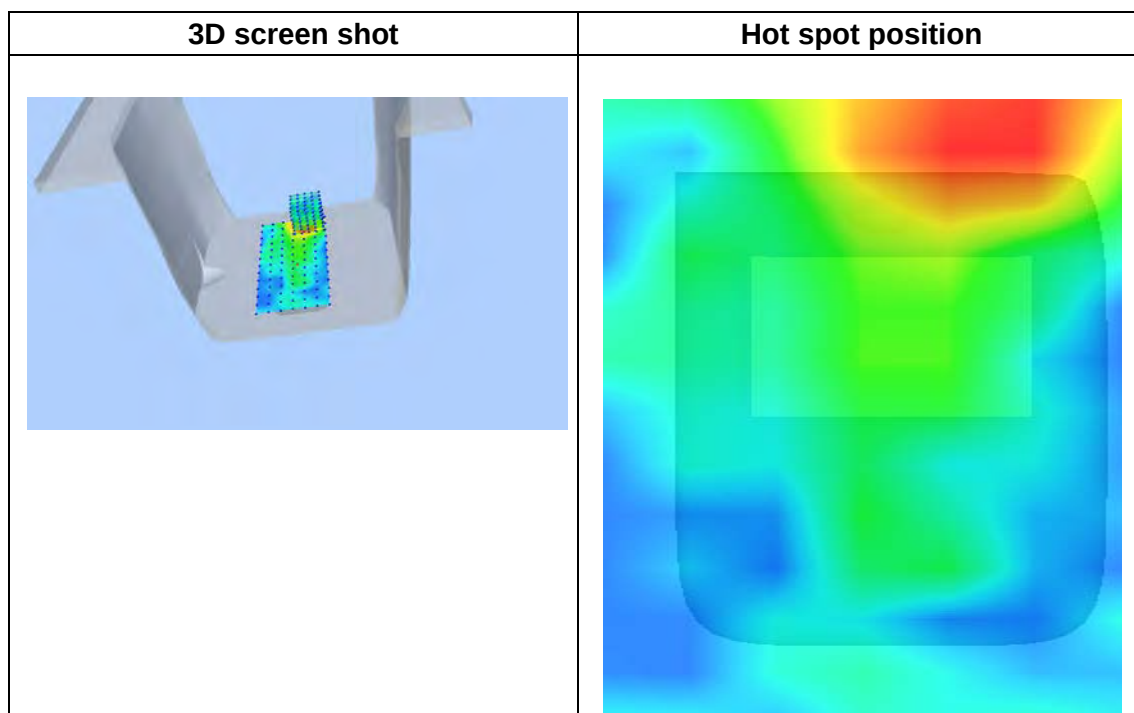
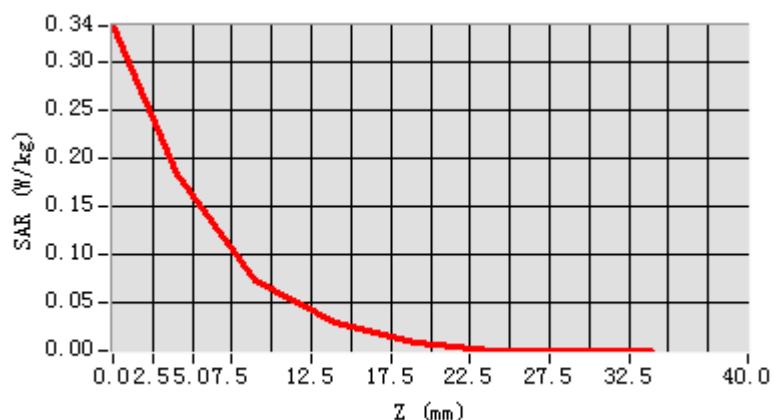


Maximum location: X=14.00, Y=63.00

SAR Peak: 0.36 W/kg

SAR 10g (W/Kg)	0.077202
SAR 1g (W/Kg)	0.175595

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3383	0.1836	0.0747	0.0294	0.0103	0.0018	0.0013





MEASUREMENT 100

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

Measurement duration: 13 minutes 57 seconds

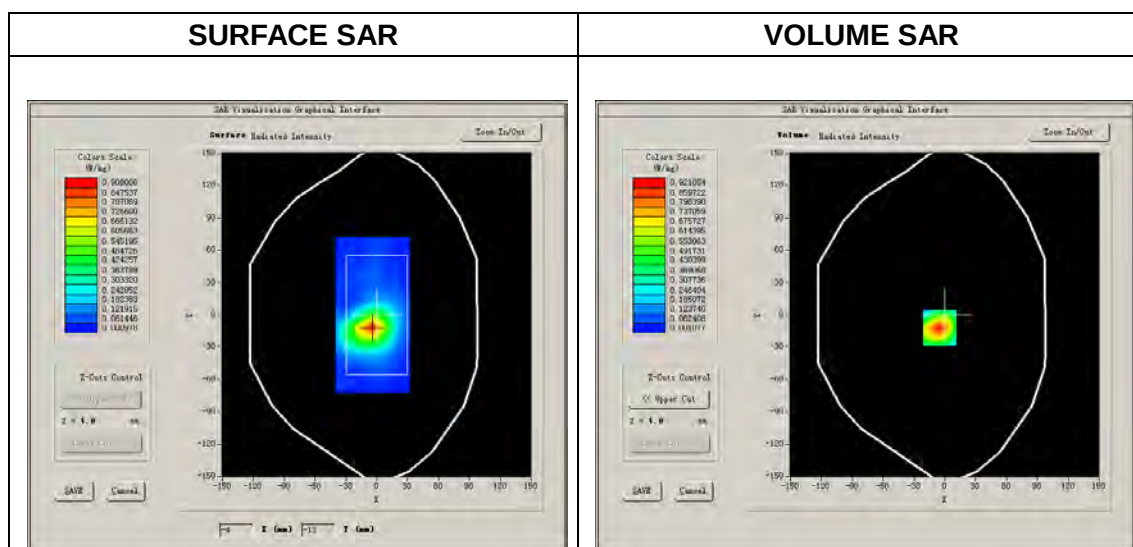
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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>High</u>
<u>Signal</u>	<u>LTE</u>

B. SAR Measurement Results

Higher Band SAR (Channel 21400):

Frequency (MHz)	2565.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power drift (%)	1.500000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.93
Crest factor:	1:1



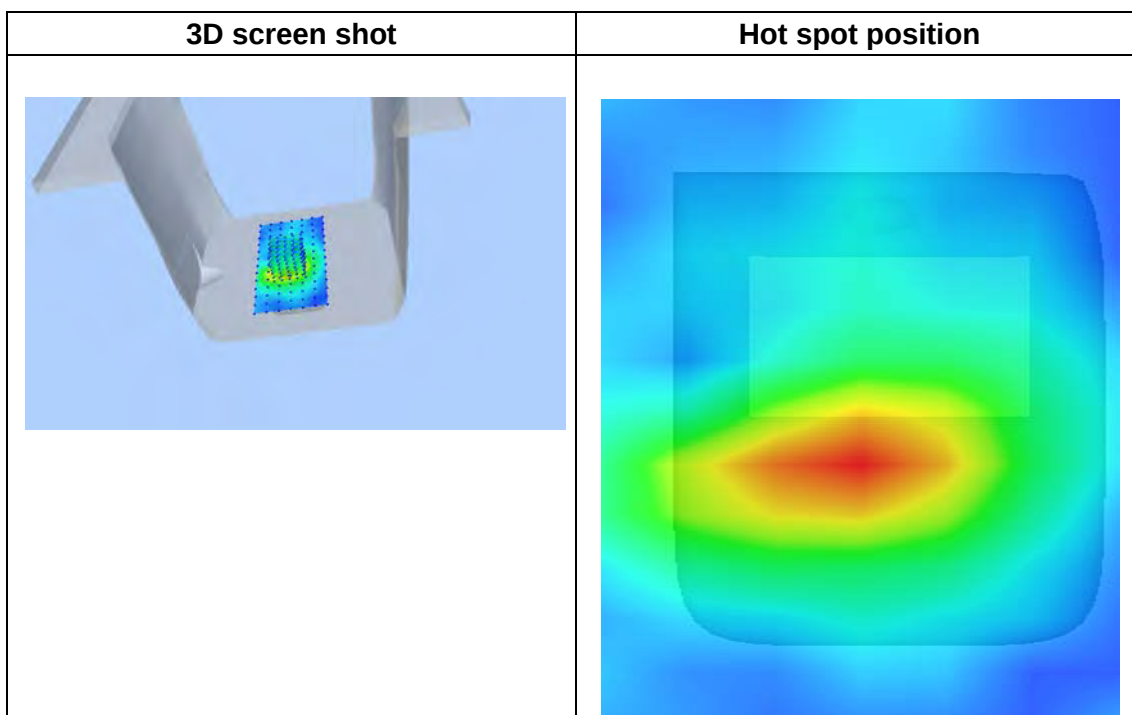
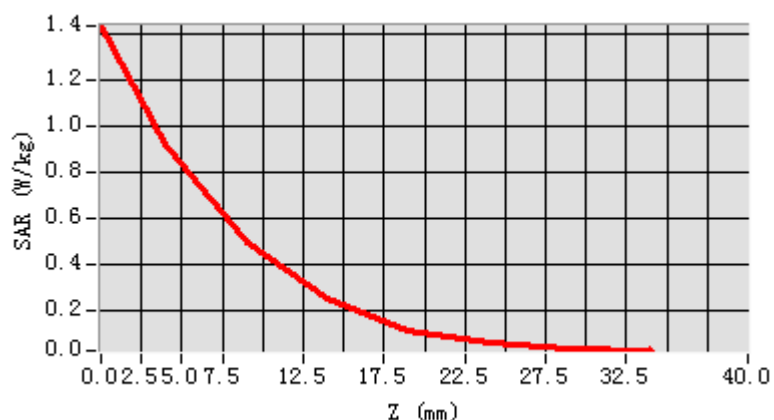


Maximum location: X=-5.00, Y=-12.00

SAR Peak: 1.44 W/kg

SAR 10g (W/Kg)	0.411840
SAR 1g (W/Kg)	0.847867

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.4360	0.9211	0.4954	0.2540	0.1134	0.0597	0.0301



**MEASUREMENT 101**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 45 seconds

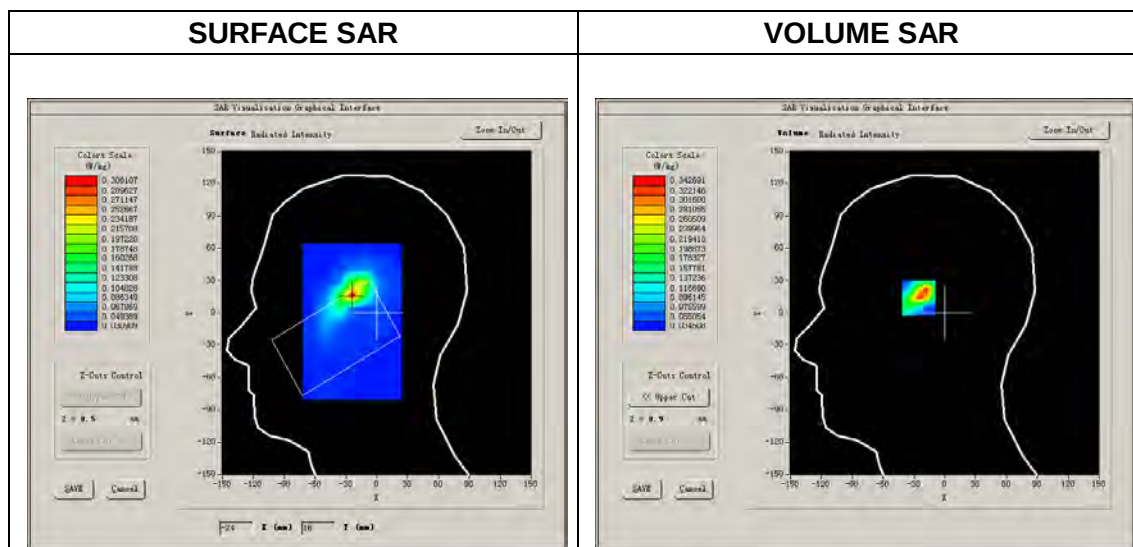
A. Experimental conditions.

<u>Phantom File</u>	<u>surf sam plan.txt</u>
<u>Phantom</u>	<u>Right head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 120):

Frequency (MHz)	5600.000000
Relative permittivity (real part)	35.562139
Conductivity (S/m)	5.100255
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	22.92
Crest factor:	1:1



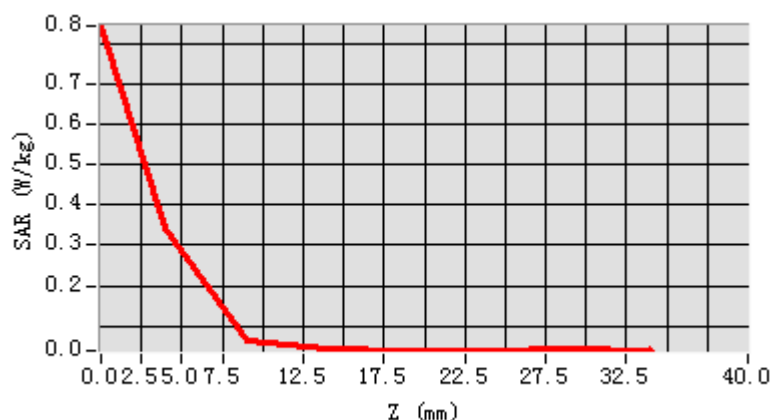


Maximum location: X=-24.00, Y=17.00

SAR Peak: 0.86 W/kg

SAR 10g (W/Kg)	0.129905
SAR 1g (W/Kg)	0.356688

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8457	0.3427	0.0621	0.0448	0.0383	0.0380	0.0412



3D screen shot	Hot spot position



MEASUREMENT 102

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 44 seconds

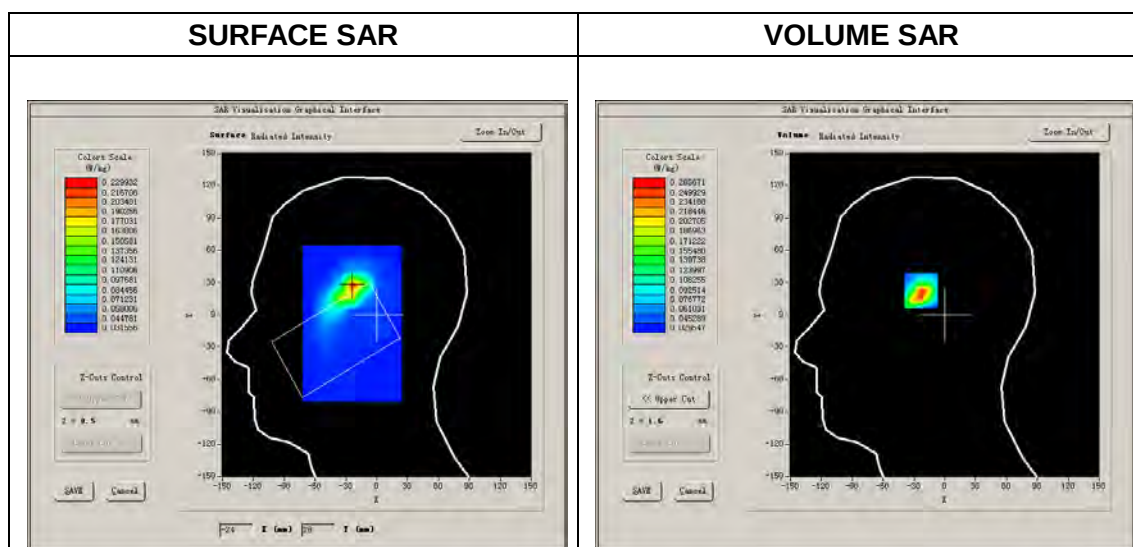
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Right head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 157):

Frequency (MHz)	5785.000000
Relative permittivity (real part)	35.334675
Conductivity (S/m)	5.310226
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	22.42
Crest factor:	1:1





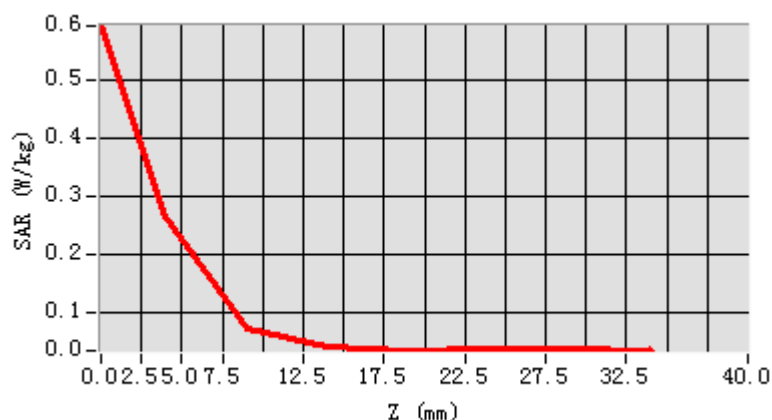
REPORT No. : SZ17070185S01

Maximum location: X=-23.00, Y=27.00

SAR Peak: 0.64 W/kg

SAR 10g (W/Kg)	0.105945
SAR 1g (W/Kg)	0.276443

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5914	0.2657	0.0748	0.0428	0.0357	0.0390	0.0397



3D screen shot	Hot spot position

**MEASUREMENT 103**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 52 seconds

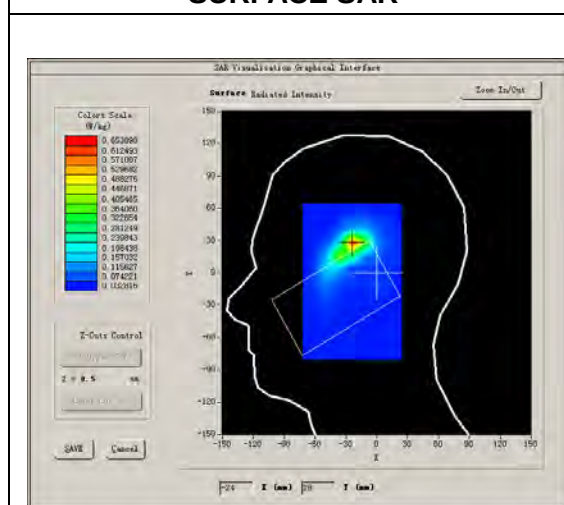
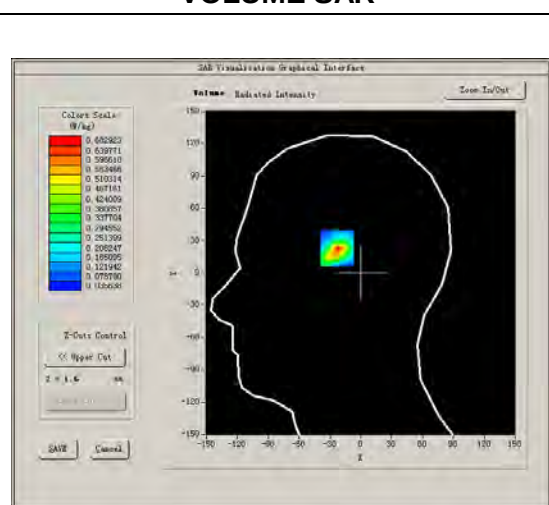
A. Experimental conditions.

<u>Phantom File</u>	<u>surf sam plan.txt</u>
<u>Phantom</u>	<u>Right head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 44):

Frequency (MHz)	5220.000000
Relative permittivity (real part)	36.123014
Conductivity (S/m)	4.665260
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	21.61
Crest factor:	1:1

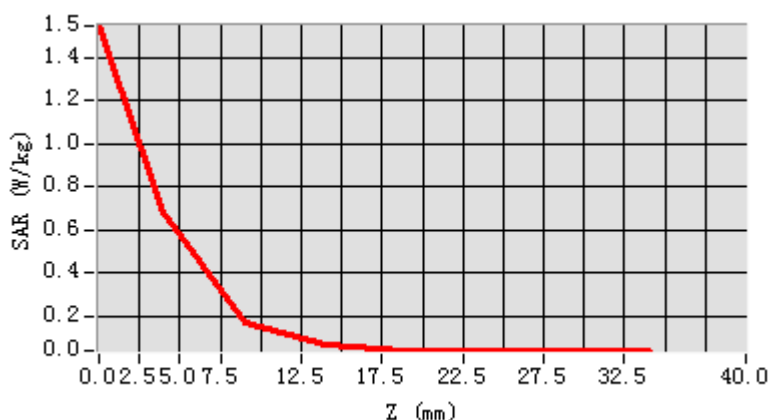
SURFACE SAR**VOLUME SAR**

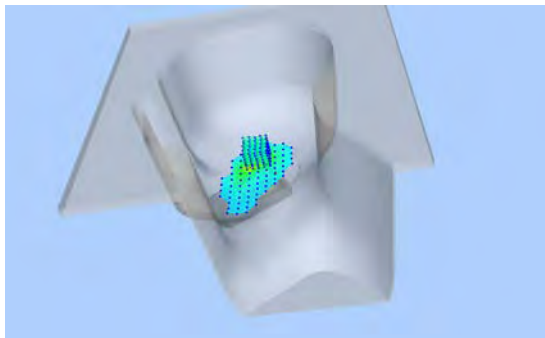
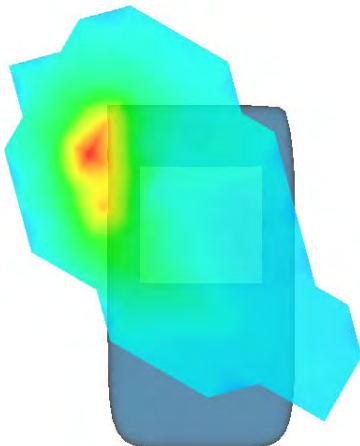
Maximum location: X=-23.00, Y=28.00

SAR Peak: 1.63 W/kg

SAR 10g (W/Kg)	0.228161
SAR 1g (W/Kg)	0.679532

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.5486	0.6829	0.1687	0.0640	0.0414	0.0390	0.0419



3D screen shot	Hot spot position
	

**MEASUREMENT 104**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 51 seconds

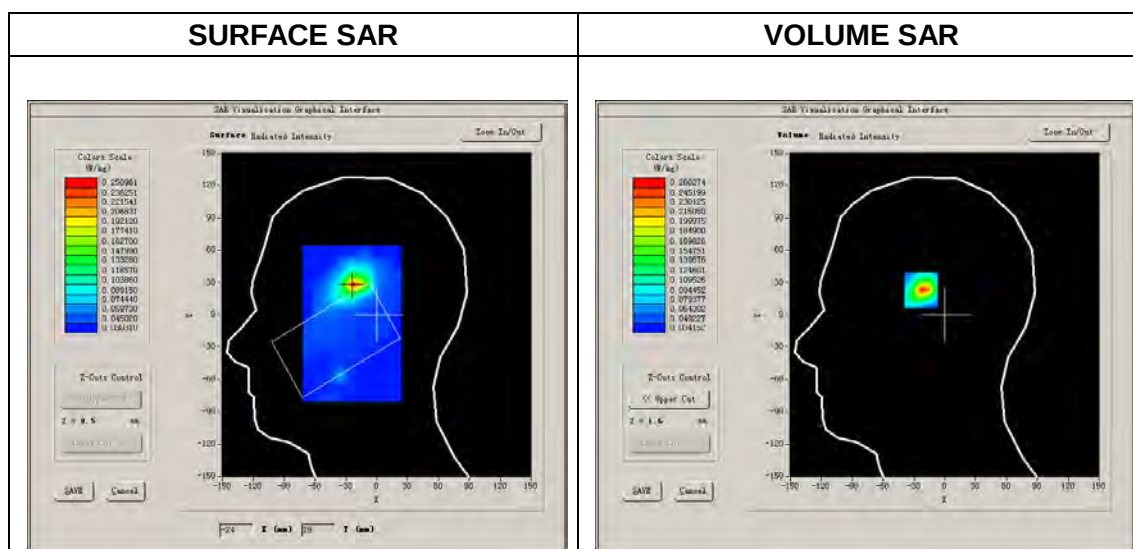
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Right head</u>
<u>Device Position</u>	<u>Tilt</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 120):

Frequency (MHz)	5600.000000
Relative permittivity (real part)	35.562139
Conductivity (S/m)	5.100255
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	22.92
Crest factor:	1:1





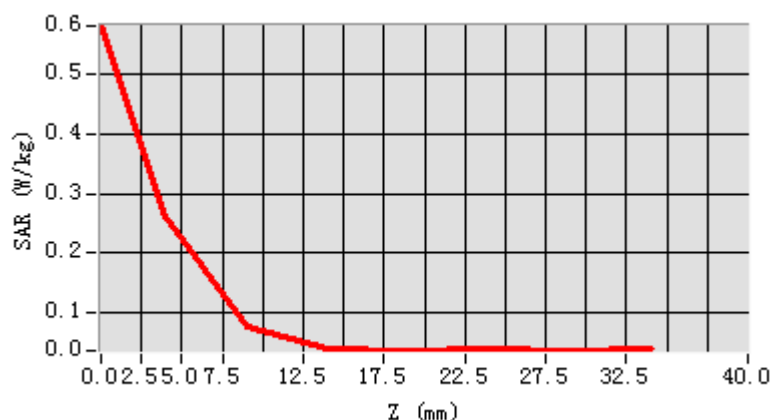
REPORT No. : SZ17070185S01

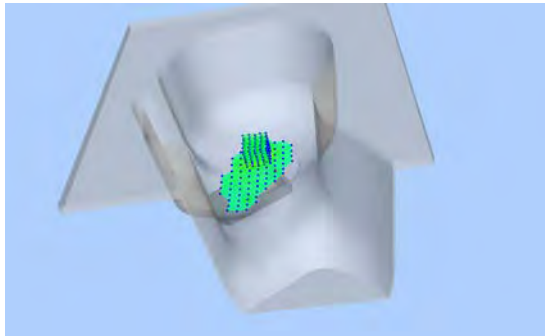
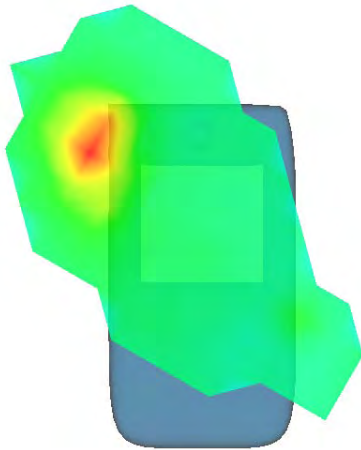
Maximum location: X=-23.00, Y=28.00

SAR Peak: 0.60 W/kg

SAR 10g (W/Kg)	0.102082
SAR 1g (W/Kg)	0.256694

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5797	0.2603	0.0764	0.0421	0.0375	0.0405	0.0388



3D screen shot	Hot spot position
	



MEASUREMENT 105

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 52 seconds

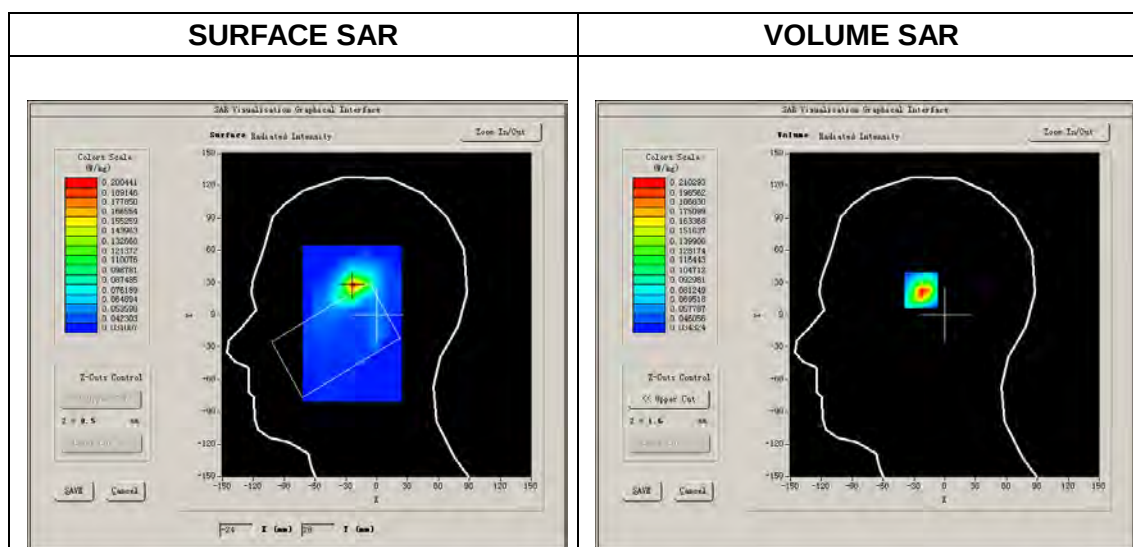
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Right head</u>
<u>Device Position</u>	<u>Tilt</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 157):

Frequency (MHz)	5785.000000
Relative permittivity (real part)	35.334675
Conductivity (S/m)	5.310226
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	22.42
Crest factor:	1:1

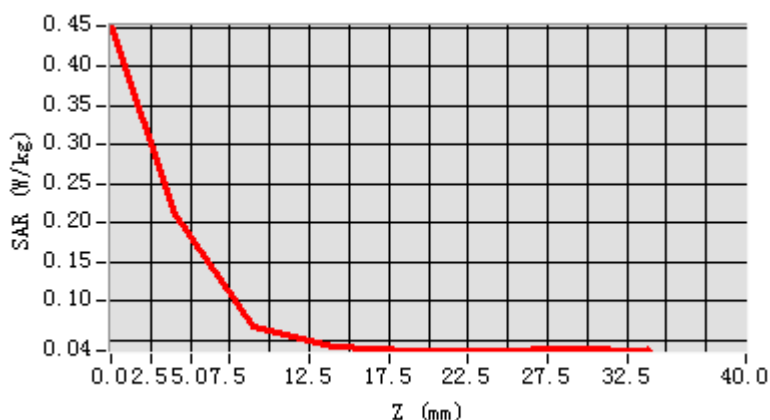


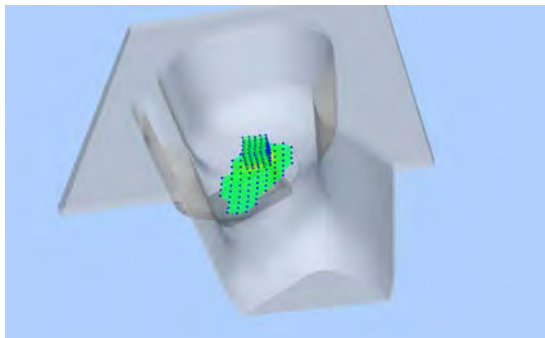
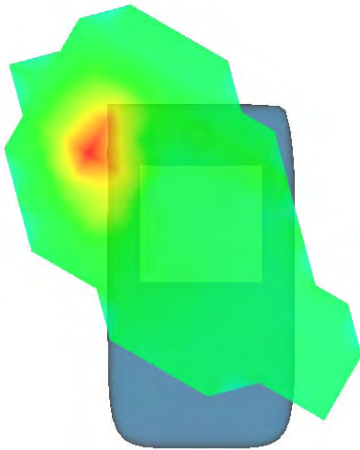
Maximum location: X=-23.00, Y=28.00

SAR Peak: 0.50 W/kg

SAR 10g (W/Kg)	0.090845
SAR 1g (W/Kg)	0.219584

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4521	0.2103	0.0683	0.0417	0.0367	0.0372	0.0380



3D screen shot	Hot spot position
	

**MEASUREMENT 106**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 42 seconds

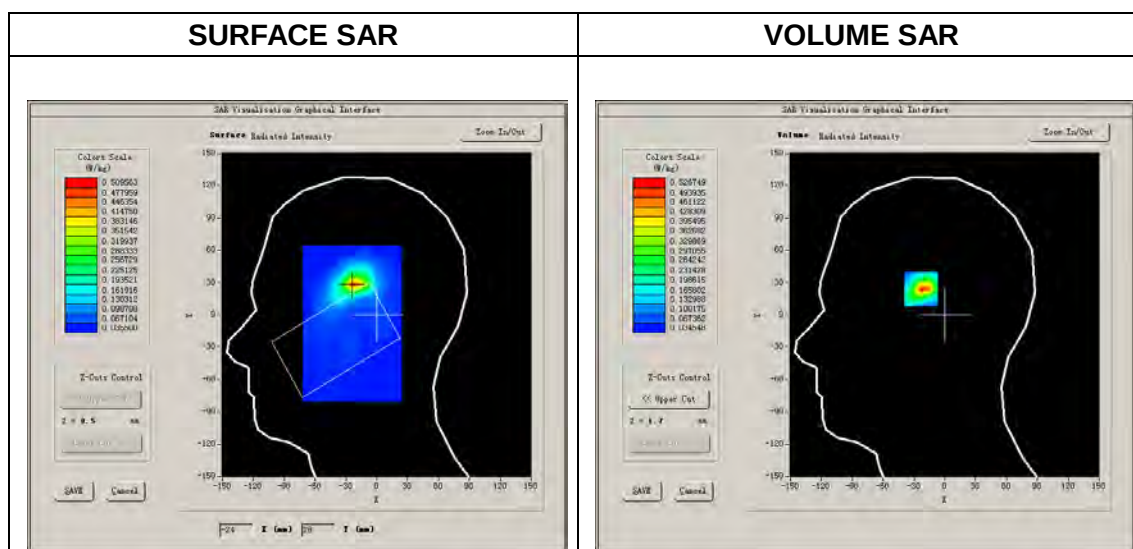
A. Experimental conditions.

Phantom File	<u>surf_sam_plan.txt</u>
Phantom	<u>Right head</u>
Device Position	<u>Tilt</u>
Band	<u>IEEE 802.11a U-NII</u>
Channels	<u>Middle</u>
Signal	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 44):

Frequency (MHz)	5220.000000
Relative permittivity (real part)	36.123014
Conductivity (S/m)	4.665260
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	21.61
Crest factor:	1:1



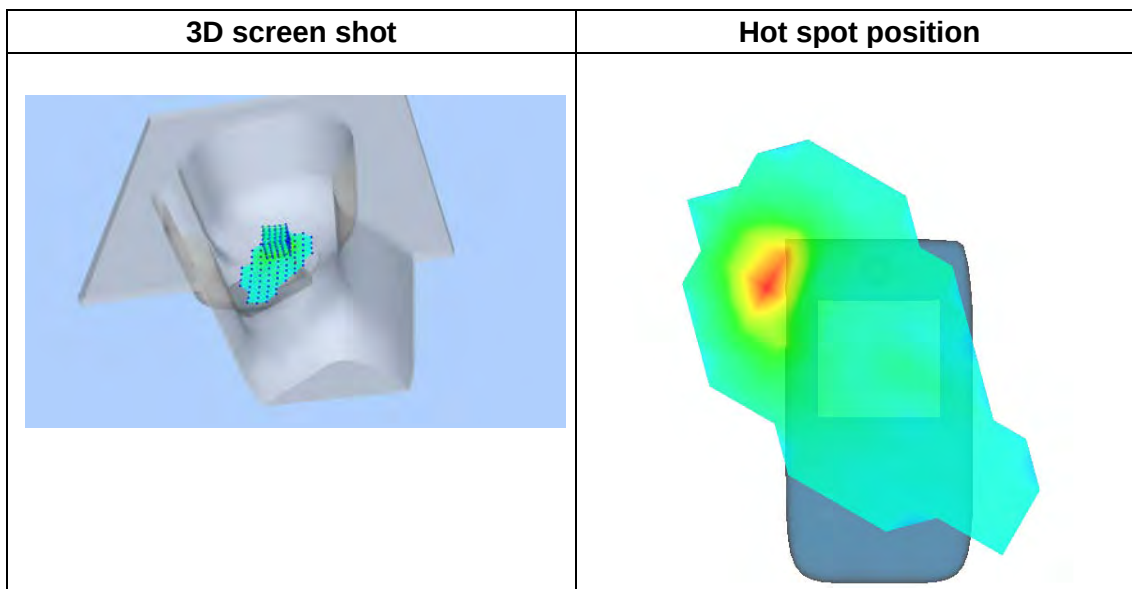
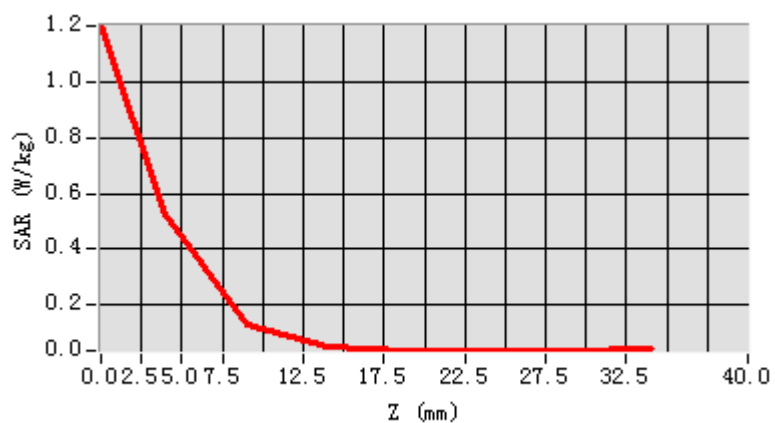


Maximum location: X=-23.00, Y=29.00

SAR Peak: 1.23 W/kg

SAR 10g (W/Kg)	0.179579
SAR 1g (W/Kg)	0.513582

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.1986	0.5267	0.1335	0.0544	0.0394	0.0392	0.0375





MEASUREMENT 107

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 53 seconds

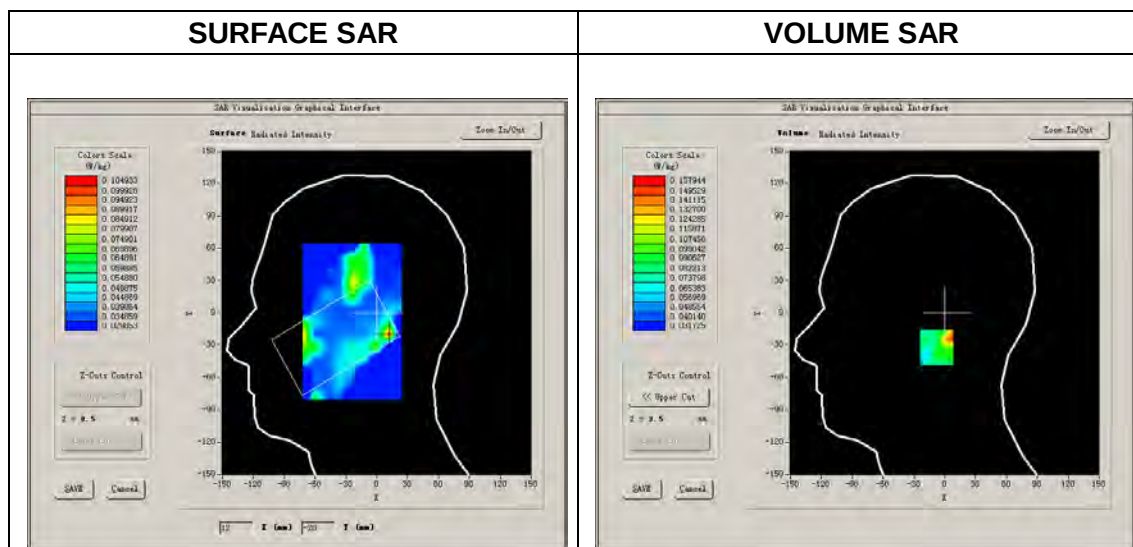
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 120):

Frequency (MHz)	5600.000000
Relative permittivity (real part)	35.562139
Conductivity (S/m)	5.100255
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	22.92
Crest factor:	1:1

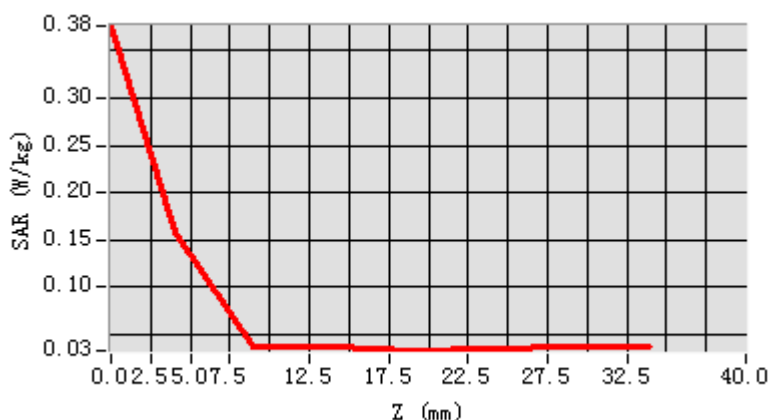


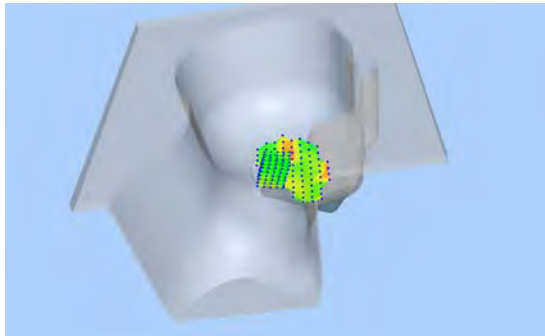
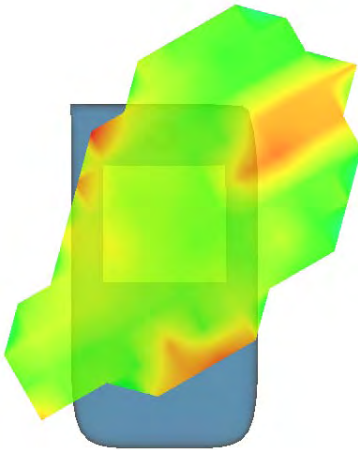
Maximum location: X=5.00, Y=-32.00

SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.073526
SAR 1g (W/Kg)	0.150012

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3764	0.1579	0.0377	0.0368	0.0327	0.0352	0.0358



3D screen shot	Hot spot position
	

**MEASUREMENT 108**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 52 seconds

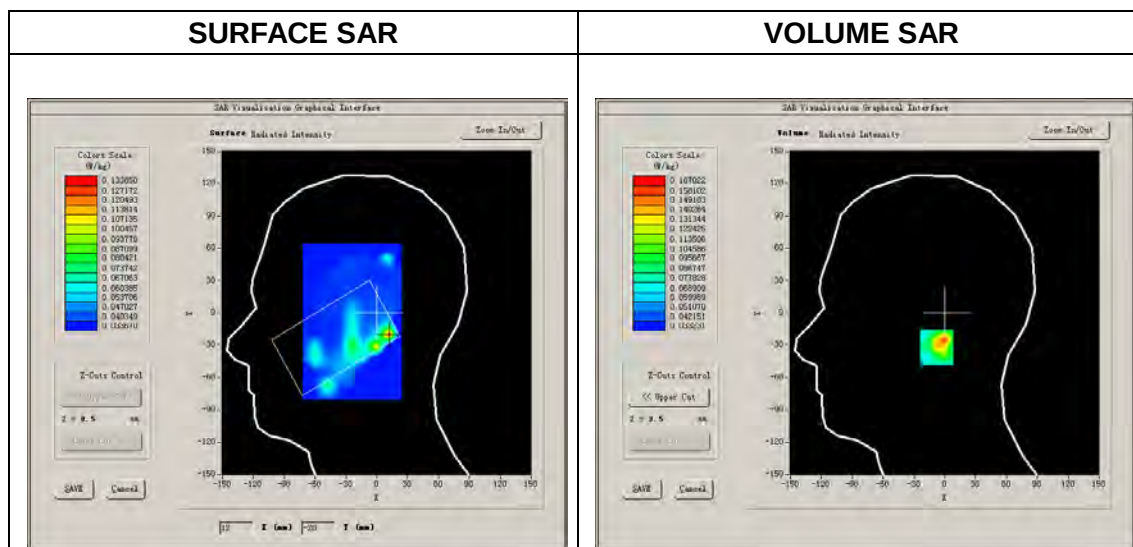
A. Experimental conditions.

<u>Phantom File</u>	<u>surf sam plan.txt</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 157):

Frequency (MHz)	5785.000000
Relative permittivity (real part)	35.334675
Conductivity (S/m)	5.310226
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	22.42
Crest factor:	1:1

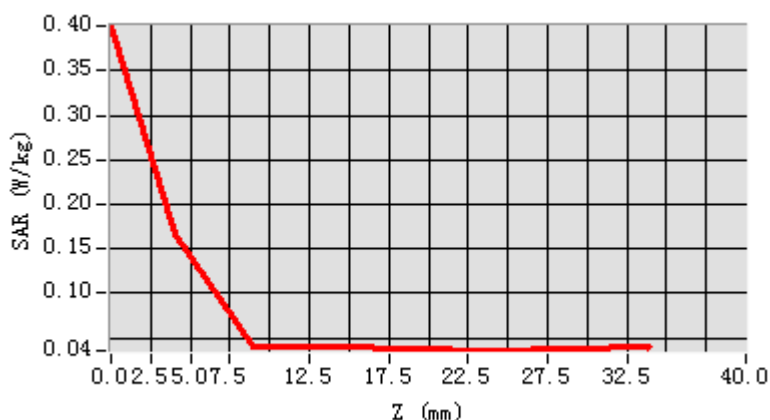


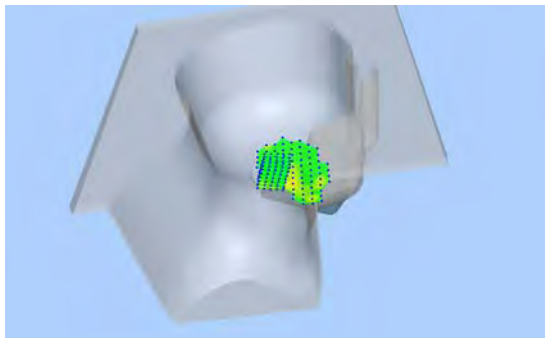
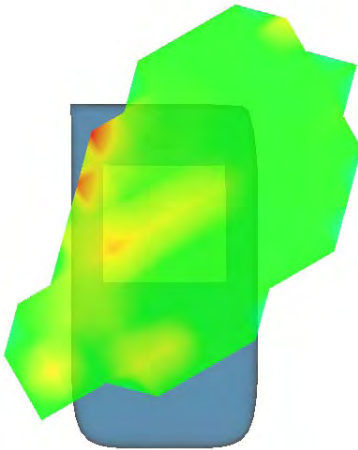
Maximum location: X=5.00, Y=-32.00

SAR Peak: 0.37 W/kg

SAR 10g (W/Kg)	0.080771
SAR 1g (W/Kg)	0.165202

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4005	0.1670	0.0400	0.0390	0.0372	0.0356	0.0382



3D screen shot	Hot spot position
	



MEASUREMENT 109

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 49 seconds

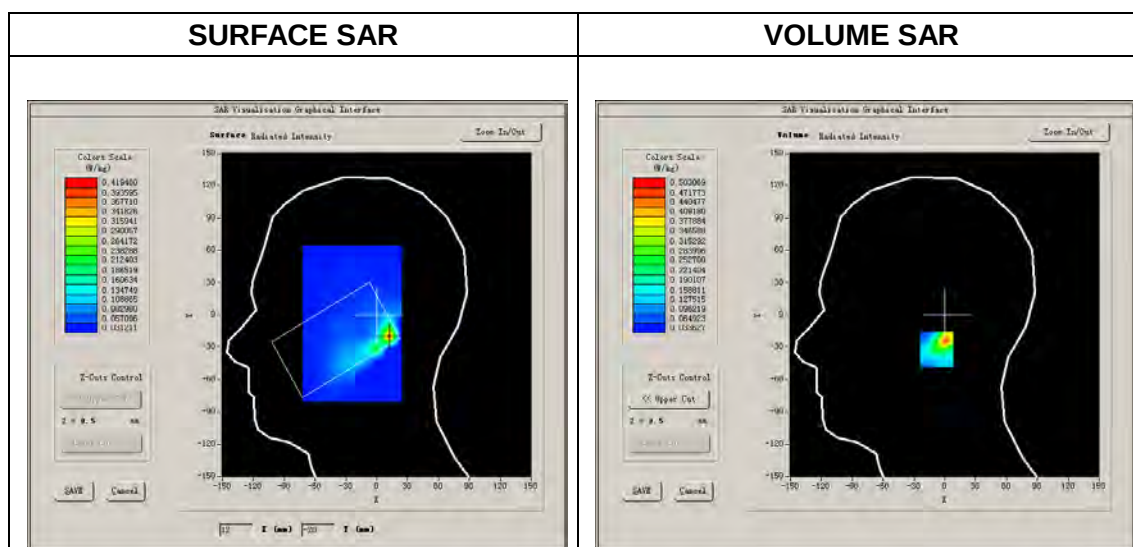
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Cheek</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 44):

Frequency (MHz)	5220.000000
Relative permittivity (real part)	36.123014
Conductivity (S/m)	4.665260
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	21.61
Crest factor:	1:1





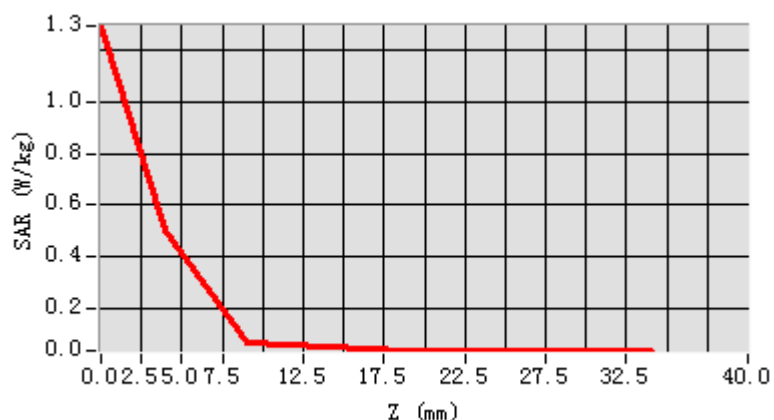
REPORT No. : SZ17070185S01

Maximum location: X=5.00, Y=-32.00

SAR Peak: 1.15 W/kg

SAR 10g (W/Kg)	0.172506
SAR 1g (W/Kg)	0.456750

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.2926	0.5031	0.0688	0.0514	0.0391	0.0386	0.0372



3D screen shot	Hot spot position

**MEASUREMENT 110**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 51 seconds

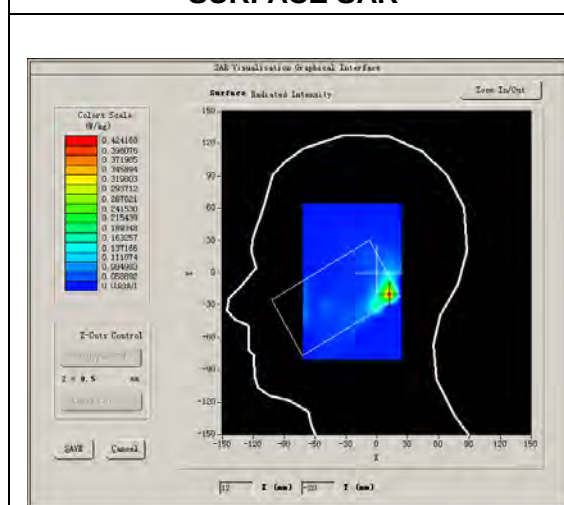
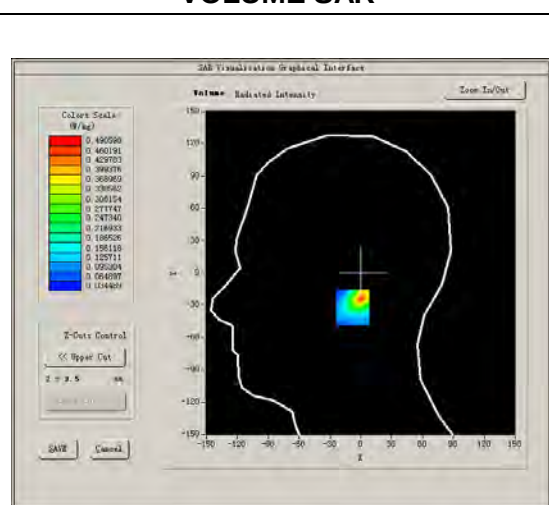
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Tilt</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 44):

Frequency (MHz)	5220.000000
Relative permittivity (real part)	36.123014
Conductivity (S/m)	4.665260
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	21.61
Crest factor:	1:1

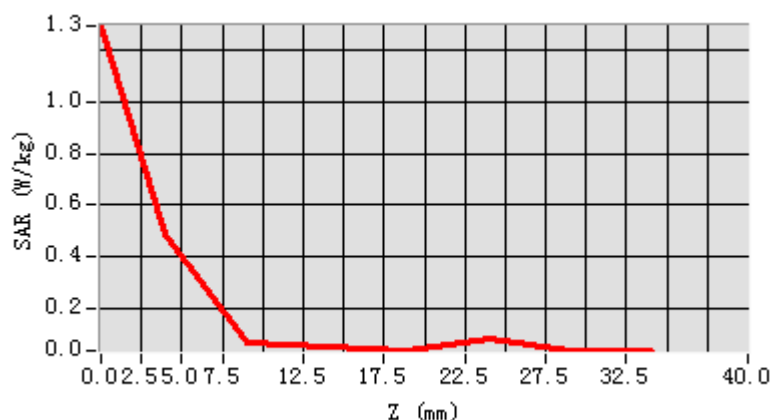
SURFACE SAR**VOLUME SAR**

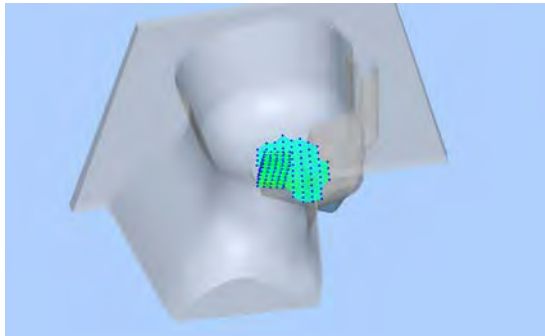
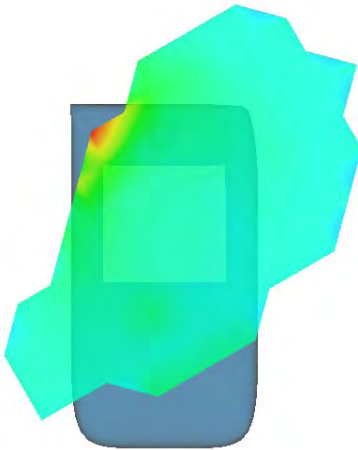
Maximum location: X=5.00, Y=-32.00

SAR Peak: 1.08 W/kg

SAR 10g (W/Kg)	0.182948
SAR 1g (W/Kg)	0.450553

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.2957	0.4906	0.0646	0.0550	0.0381	0.0817	0.0362



3D screen shot	Hot spot position
	

**MEASUREMENT 111**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 22 seconds

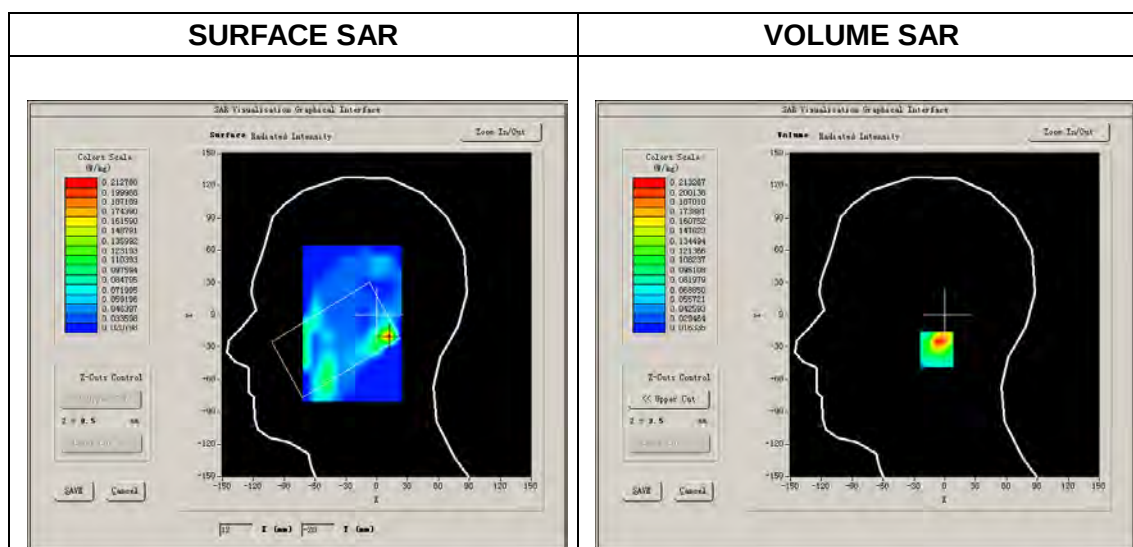
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Tilt</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 120):

Frequency (MHz)	5600.000000
Relative permittivity (real part)	35.562139
Conductivity (S/m)	5.100255
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	22.92
Crest factor:	1:1

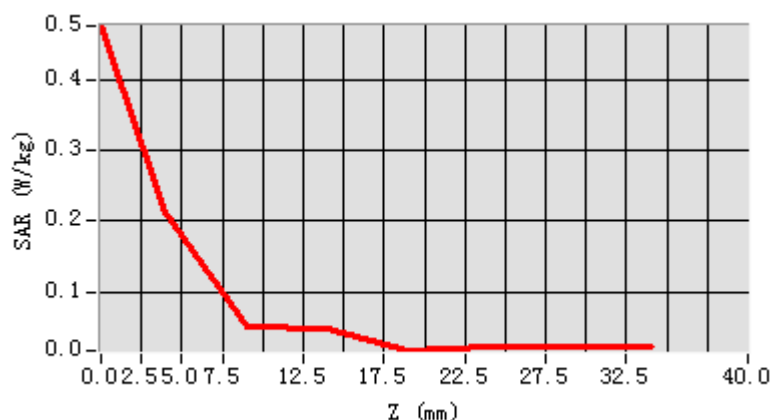


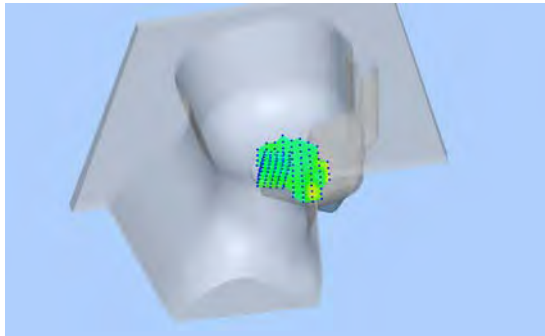
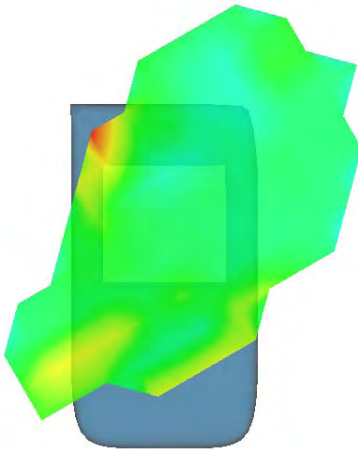
Maximum location: X=5.00, Y=-32.00

SAR Peak: 0.46 W/kg

SAR 10g (W/Kg)	0.092425
SAR 1g (W/Kg)	0.210222

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4774	0.2133	0.0505	0.0469	0.0163	0.0209	0.0214



3D screen shot	Hot spot position
	

**MEASUREMENT 112**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 52 seconds

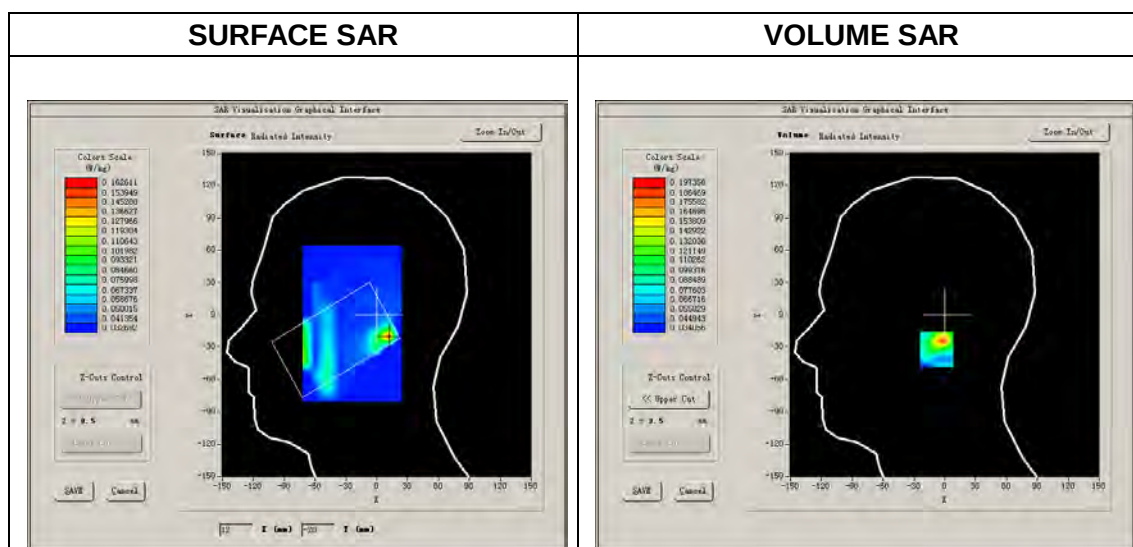
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Tilt</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 157):

Frequency (MHz)	5785.000000
Relative permittivity (real part)	35.334675
Conductivity (S/m)	5.310226
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	22.42
Crest factor:	1:1

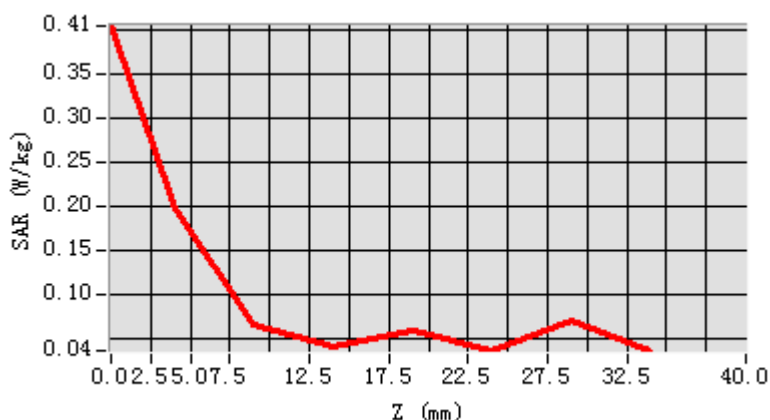


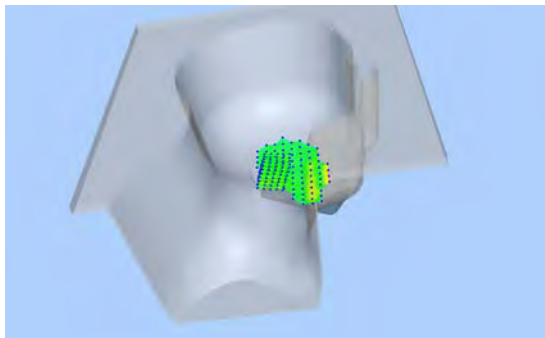
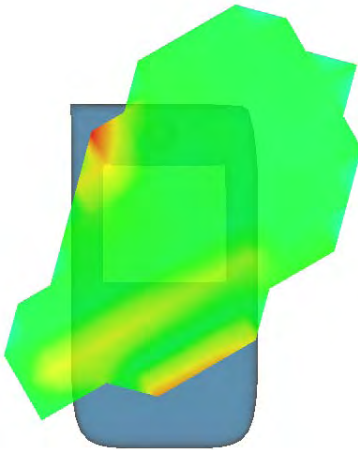
Maximum location: X=5.00, Y=-32.00

SAR Peak: 0.39 W/kg

SAR 10g (W/Kg)	0.091445
SAR 1g (W/Kg)	0.180771

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4051	0.1974	0.0662	0.0405	0.0589	0.0362	0.0697



3D screen shot	Hot spot position
	

**MEASUREMENT 113**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 1 seconds

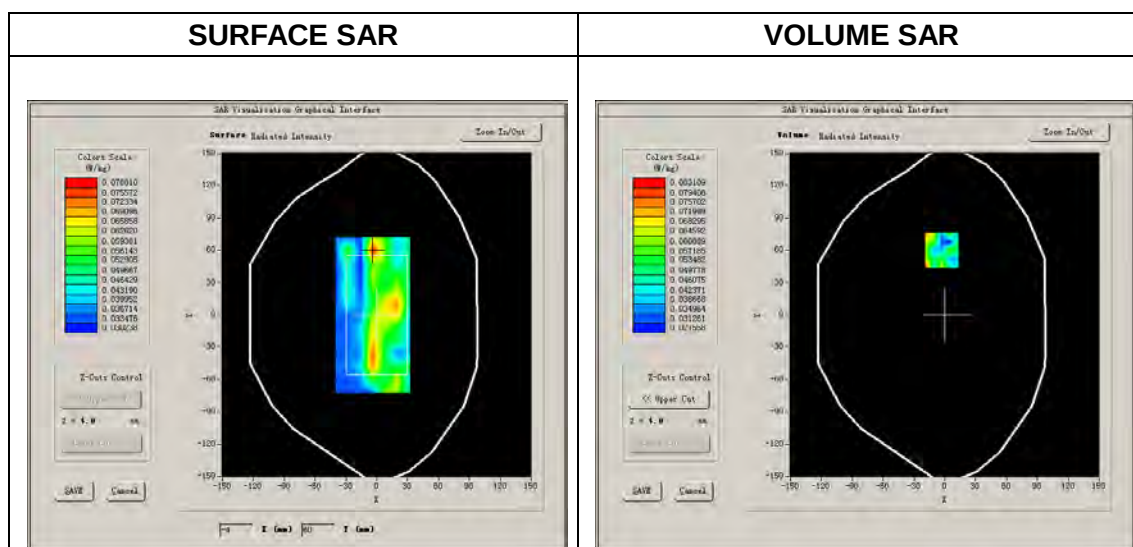
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 157):

Frequency (MHz)	5785.000000
Relative permittivity (real part)	48.093428
Conductivity (S/m)	5.930716
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	23.02
Crest factor:	1:1

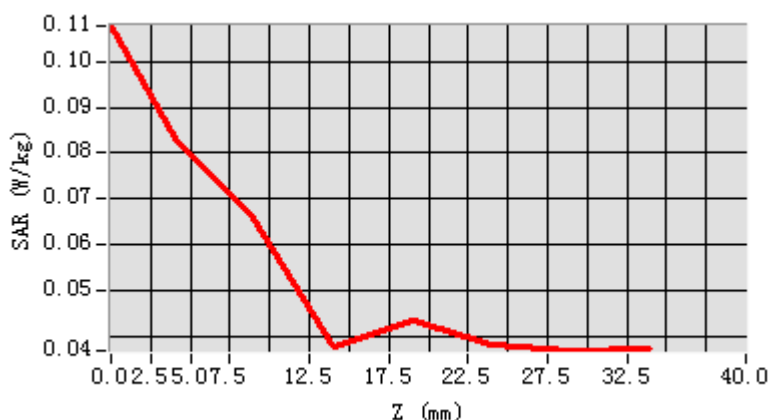


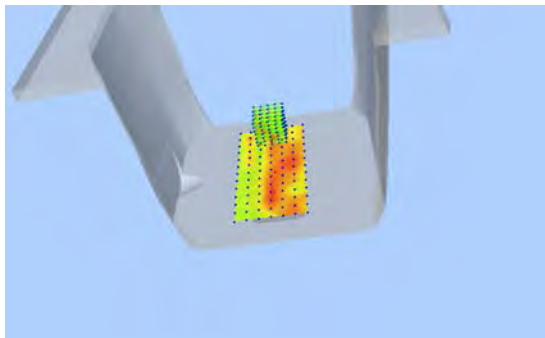
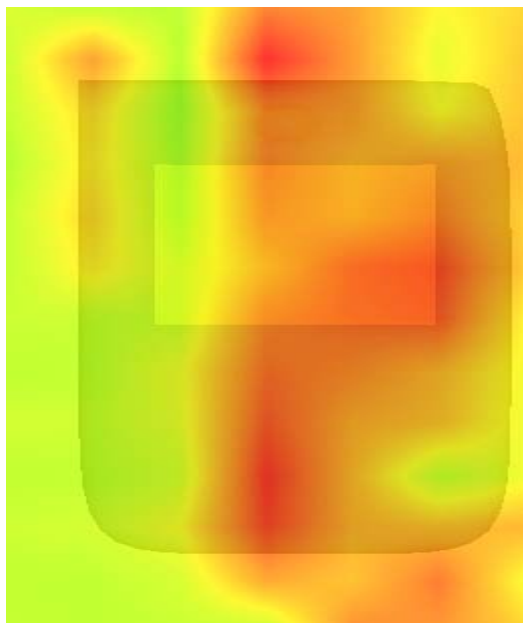
Maximum location: X=-3.00, Y=60.00

SAR Peak: 0.19 W/kg

SAR 10g (W/Kg)	0.055427
SAR 1g (W/Kg)	0.078120

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1077	0.0831	0.0656	0.0377	0.0433	0.0381	0.0369



3D screen shot	Hot spot position
	



MEASUREMENT 114

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 1 seconds

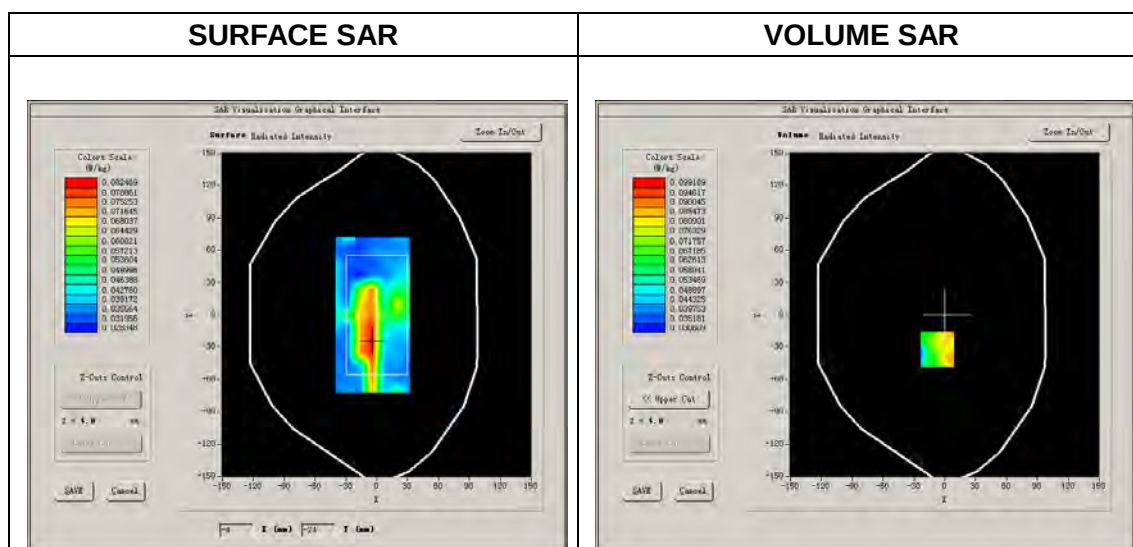
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 120):

Frequency (MHz)	5600.000000
Relative permittivity (real part)	48.394381
Conductivity (S/m)	5.7432600
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	23.69
Crest factor:	1:1

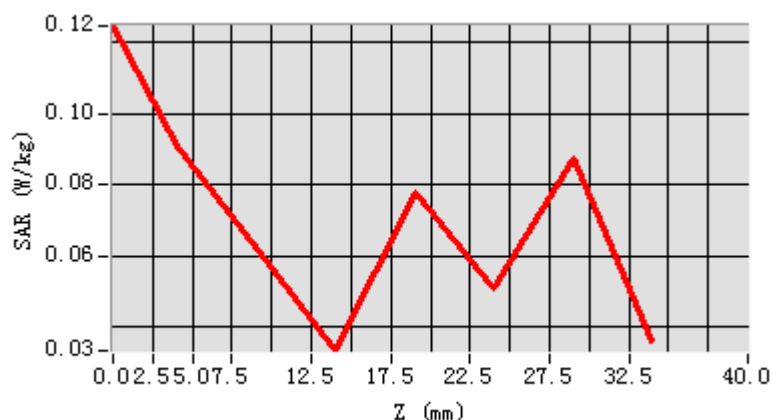


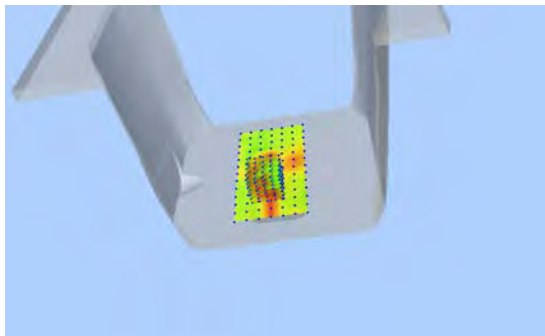
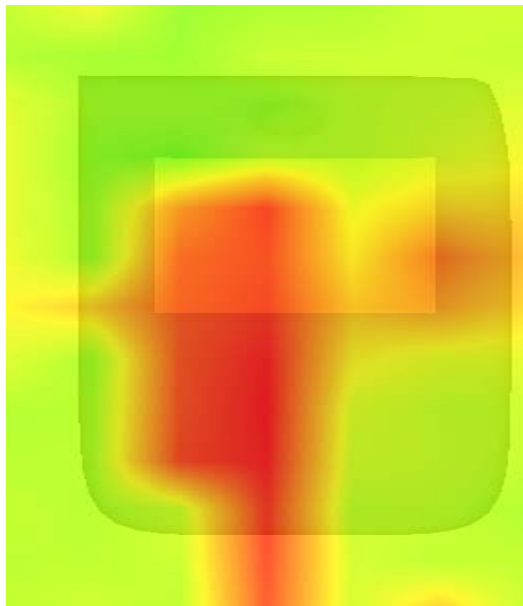
Maximum location: X=-7.00, Y=-32.00

SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.076546
SAR 1g (W/Kg)	0.094132

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1247	0.0907	0.0626	0.0332	0.0778	0.0509	0.0874



3D screen shot	Hot spot position
	



MEASUREMENT 115

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 59 seconds

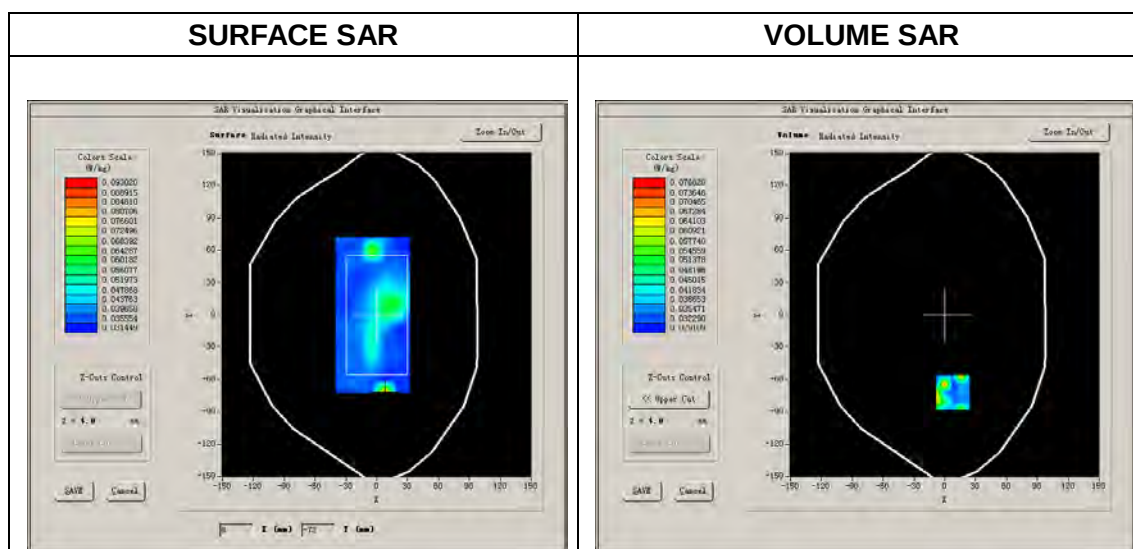
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 120):

Frequency (MHz)	5600.000000
Relative permittivity (real part)	48.394381
Conductivity (S/m)	5.7432600
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	23.69
Crest factor:	1:1





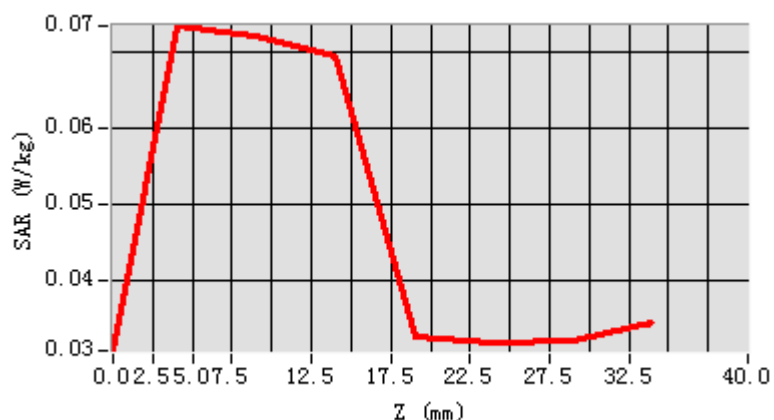
REPORT No. : SZ17070185S01

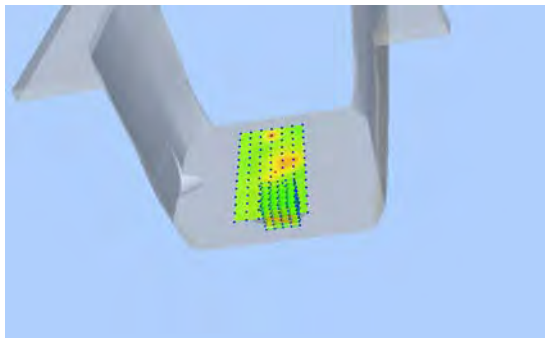
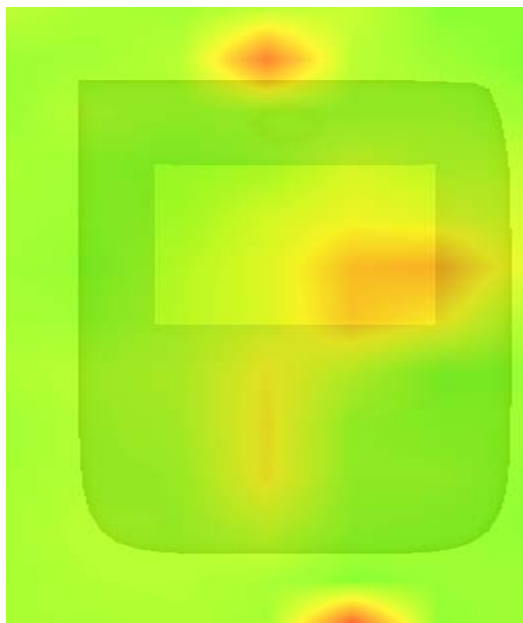
Maximum location: X=8.00, Y=-72.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.051833
SAR 1g (W/Kg)	0.183546

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0306	0.0735	0.0723	0.0697	0.0326	0.0318	0.0320



3D screen shot	Hot spot position
	



MEASUREMENT 116

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 56 seconds

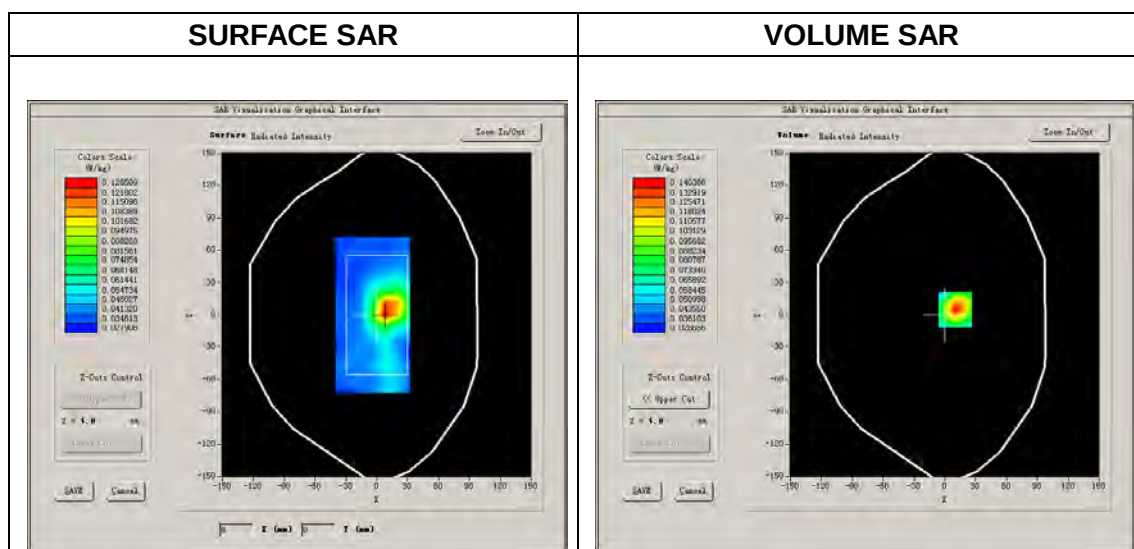
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 120):

Frequency (MHz)	5600.000000
Relative permittivity (real part)	48.394381
Conductivity (S/m)	5.7432600
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	23.69
Crest factor:	1:1



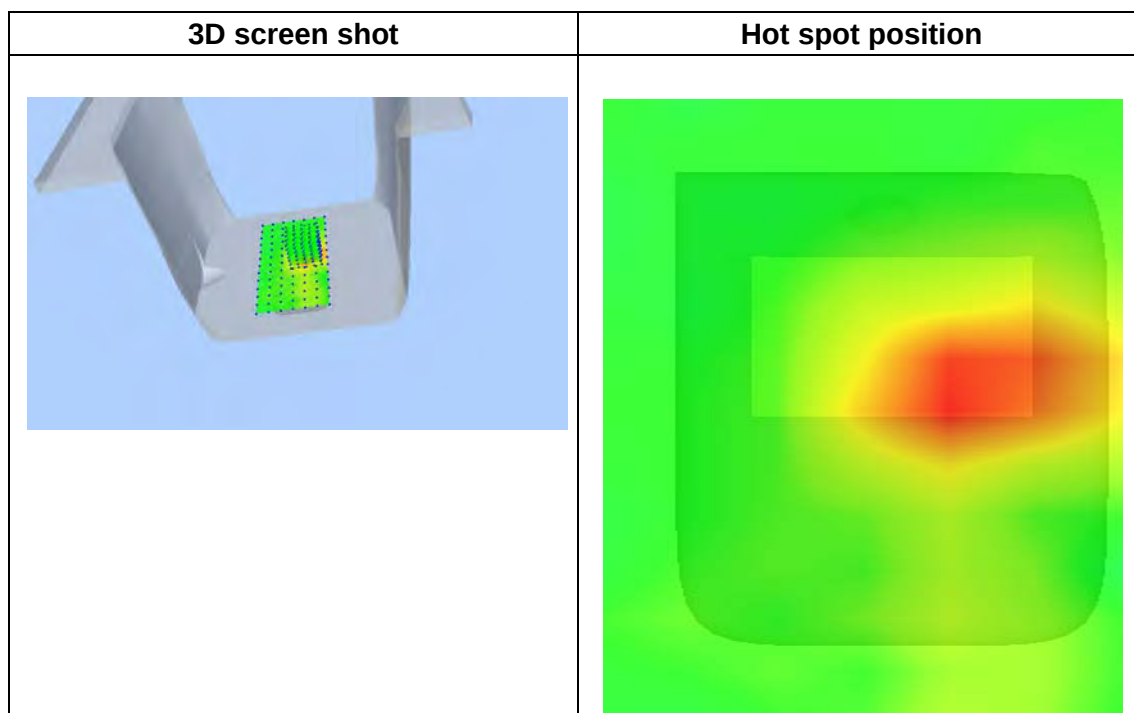
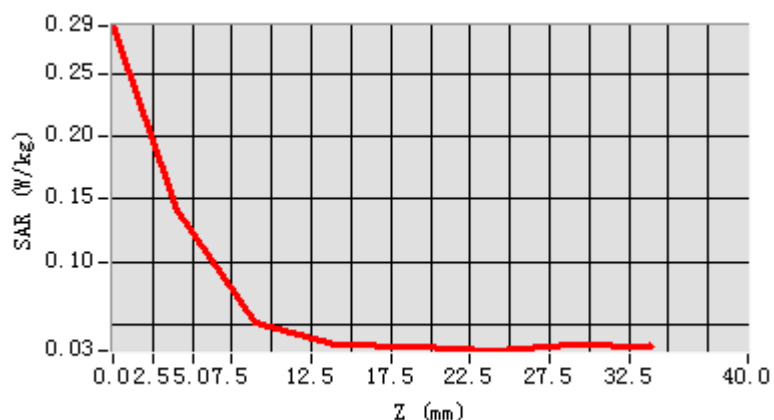


Maximum location: X=10.00, Y=5.00

SAR Peak: 0.28 W/kg

SAR 10g (W/Kg)	0.078204
SAR 1g (W/Kg)	0.150276

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2877	0.1404	0.0526	0.0350	0.0333	0.0296	0.0339





MEASUREMENT 117

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 58 seconds

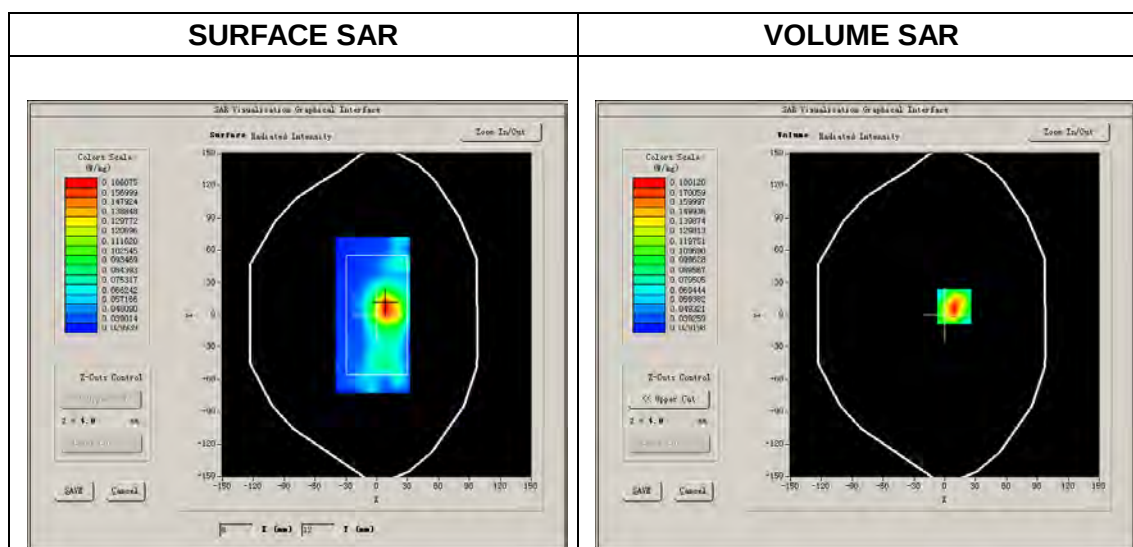
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 44):

Frequency (MHz)	5220.000000
Relative permittivity (real part)	48.273014
Conductivity (S/m)	5.543260
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	22.11
Crest factor:	1:1

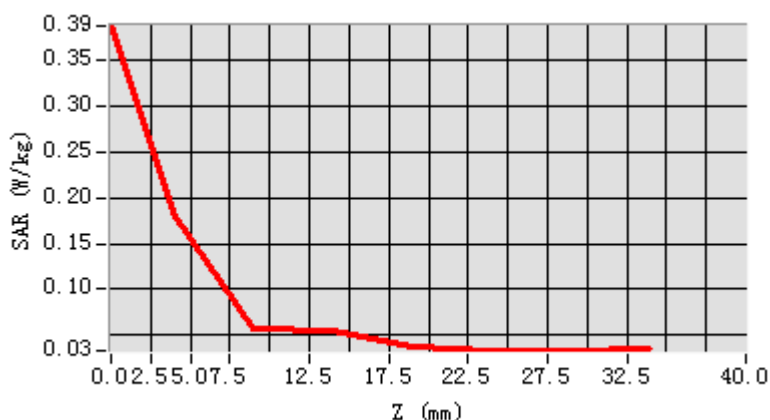


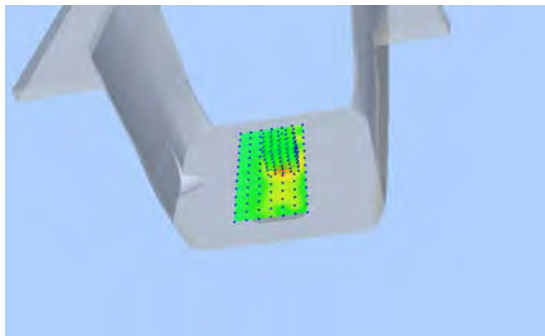
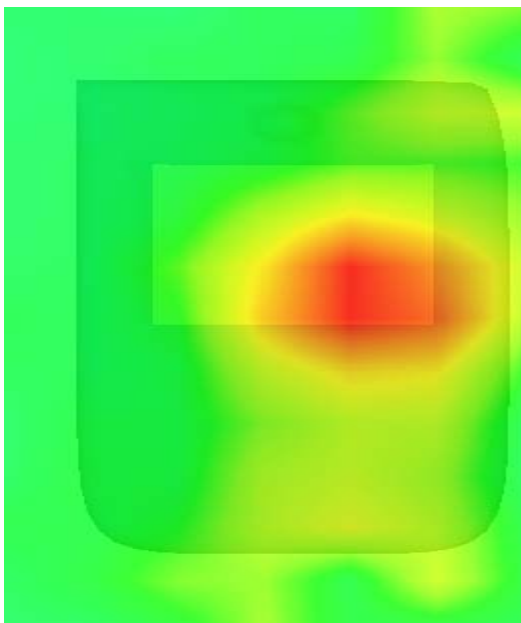
Maximum location: X=9.00, Y=8.00

SAR Peak: 0.42 W/kg

SAR 10g (W/Kg)	0.096839
SAR 1g (W/Kg)	0.200496

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3877	0.1801	0.0574	0.0557	0.0365	0.0338	0.0331



3D screen shot	Hot spot position
	



MEASUREMENT 118

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 58 seconds

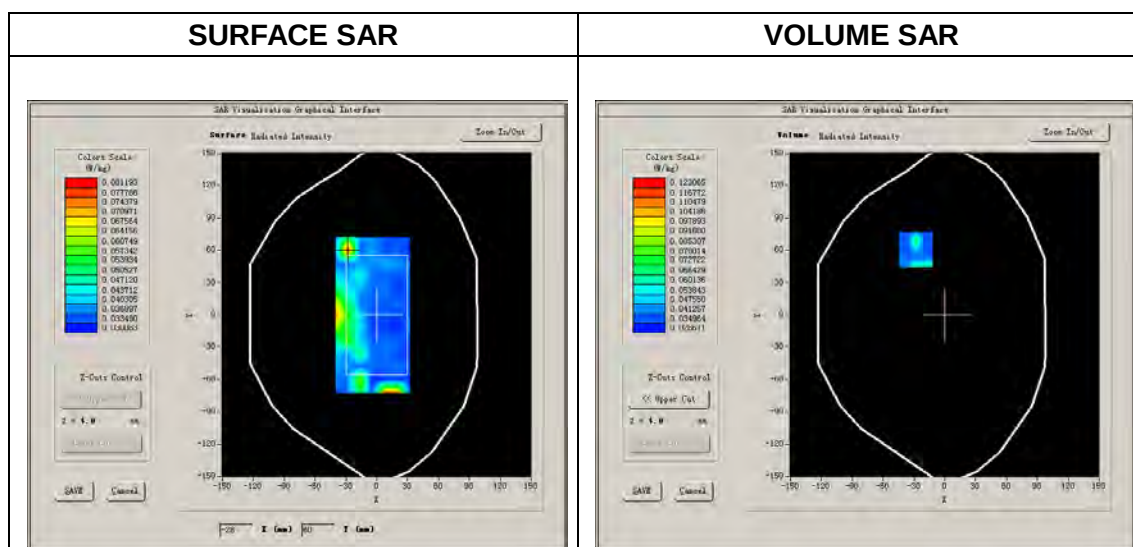
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 157):

Frequency (MHz)	5785.000000
Relative permittivity (real part)	48.093428
Conductivity (S/m)	5.930716
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	23.02
Crest factor:	1:1

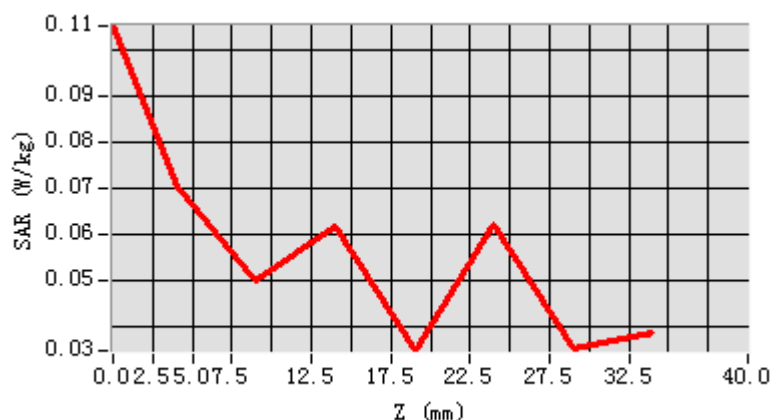


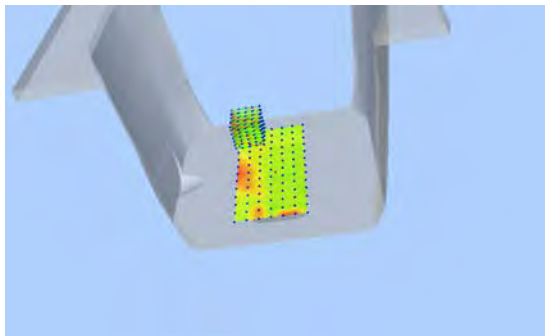
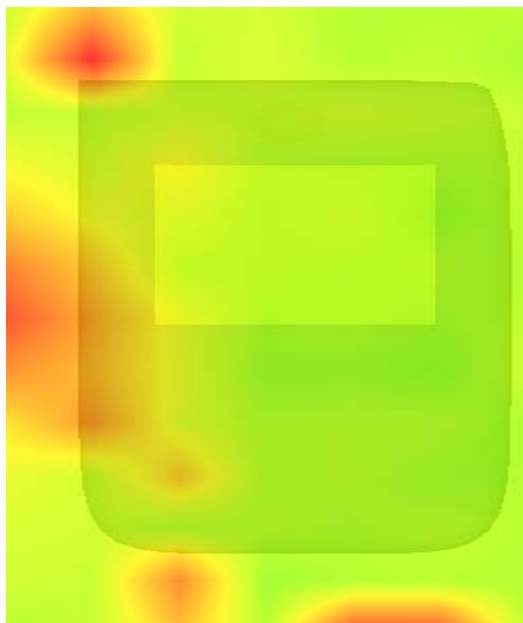
Maximum location: X=-28.00, Y=61.00

SAR Peak: 0.16 W/kg

SAR 10g (W/Kg)	0.054187
SAR 1g (W/Kg)	0.059538

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1053	0.0705	0.0498	0.0616	0.0348	0.0623	0.0354



3D screen shot	Hot spot position
	



MEASUREMENT 119

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 55 seconds

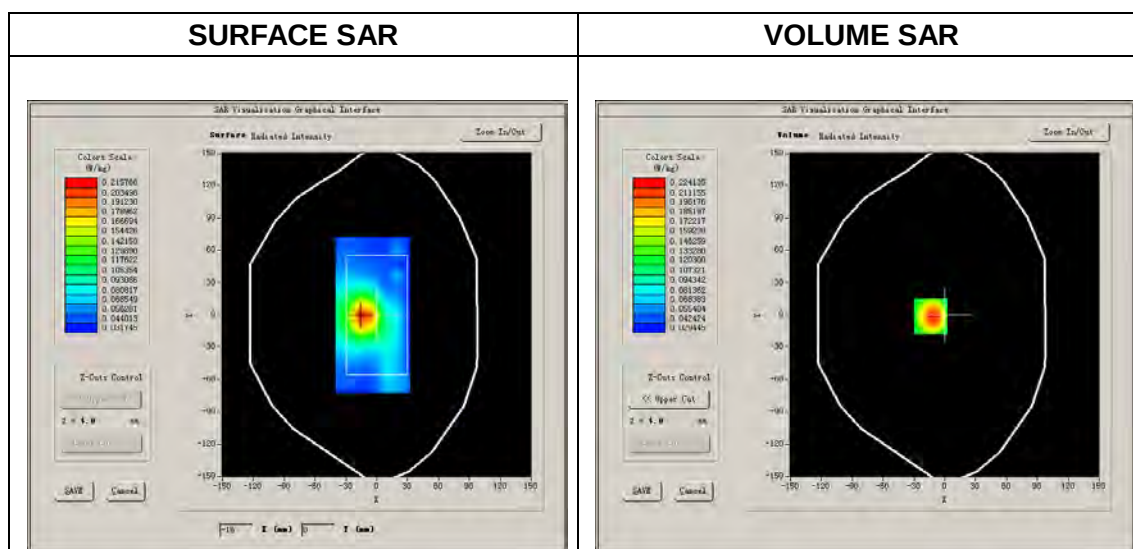
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 44):

Frequency (MHz)	5220.000000
Relative permittivity (real part)	48.273014
Conductivity (S/m)	5.543260
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	22.11
Crest factor:	1:1



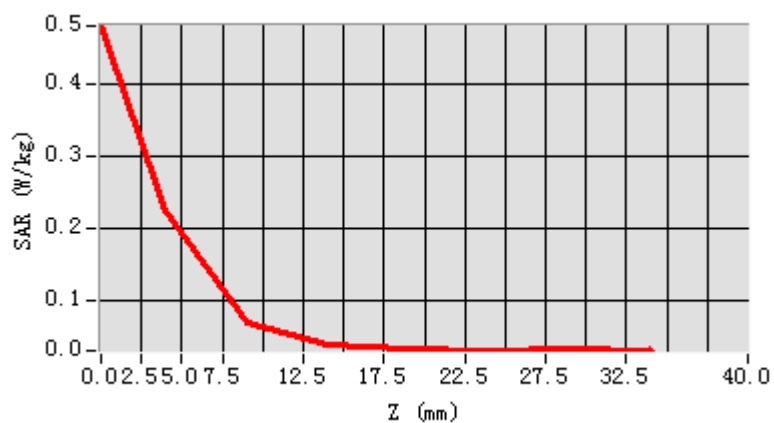


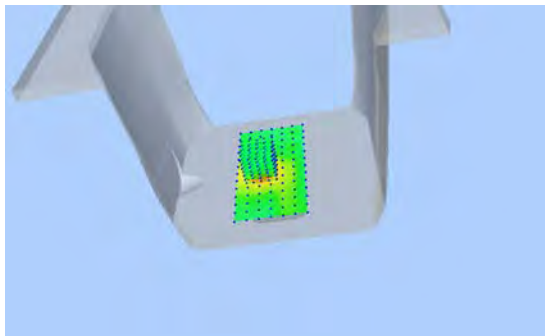
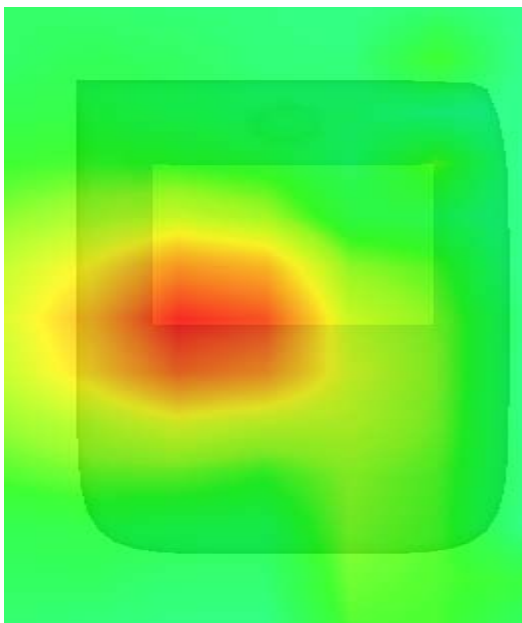
Maximum location: X=-14.00, Y=-1.00

SAR Peak: 0.48 W/kg

SAR 10g (W/Kg)	0.117922
SAR 1g (W/Kg)	0.249962

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4786	0.2241	0.0717	0.0408	0.0336	0.0320	0.0344



3D screen shot	Hot spot position
	

**MEASUREMENT 120**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 58 seconds

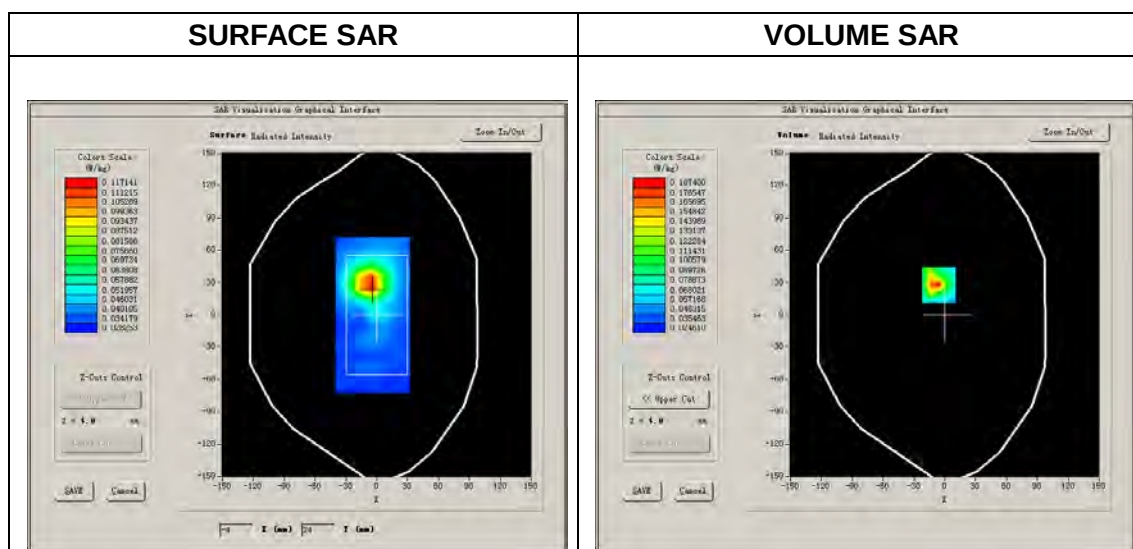
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 157):

Frequency (MHz)	5785.000000
Relative permittivity (real part)	48.093428
Conductivity (S/m)	5.930716
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	23.02
Crest factor:	1:1



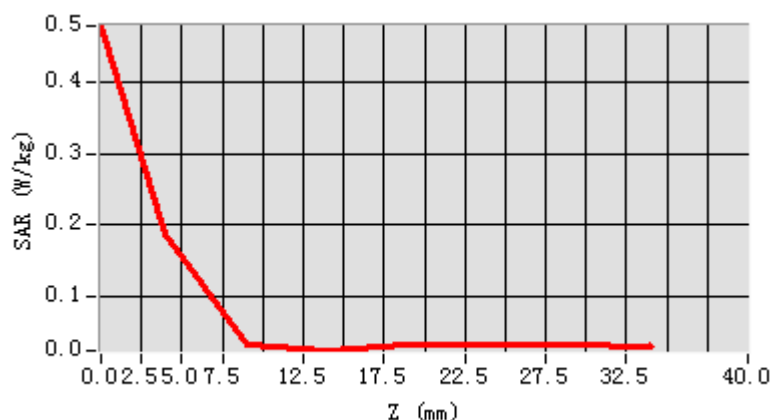


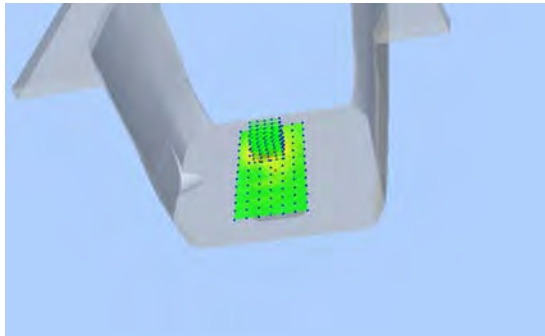
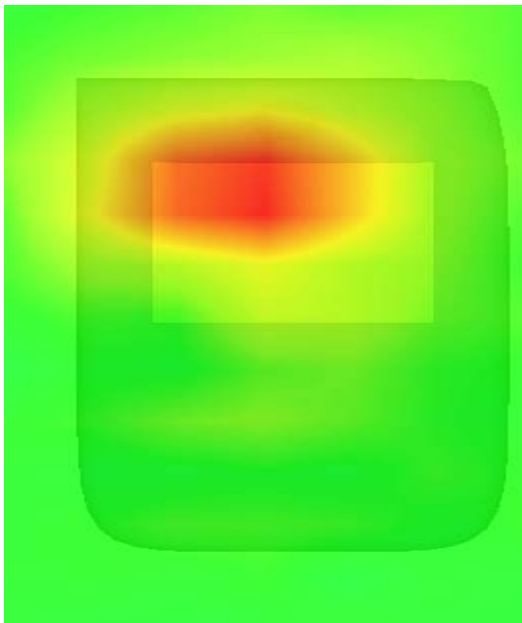
Maximum location: X=-6.00, Y=28.00

SAR Peak: 0.48 W/kg

SAR 10g (W/Kg)	0.086592
SAR 1g (W/Kg)	0.205594

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4783	0.1874	0.0330	0.0246	0.0325	0.0341	0.0341



3D screen shot	Hot spot position
	



MEASUREMENT 121

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 57 seconds

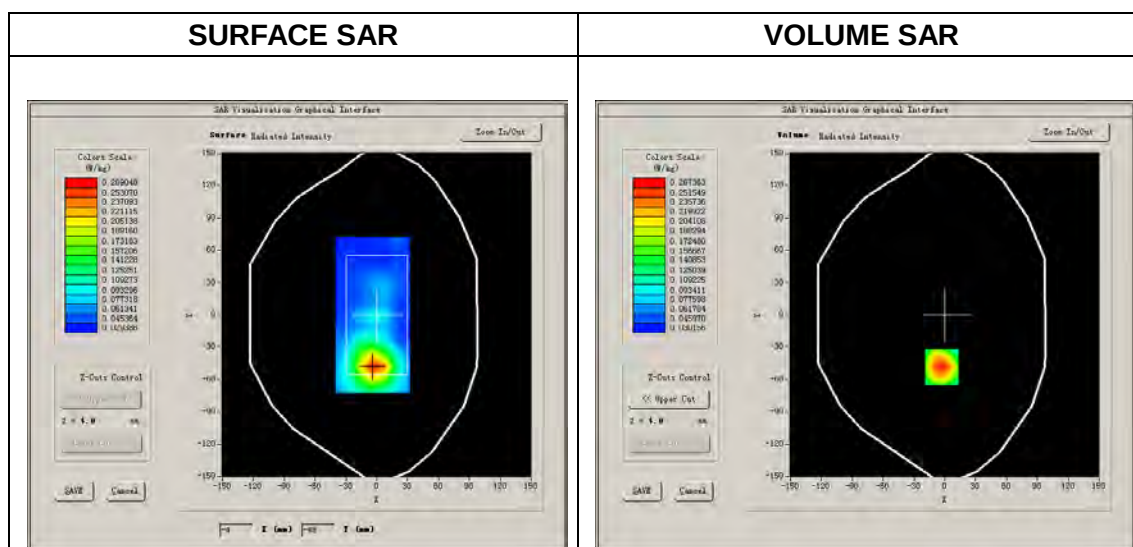
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 44):

Frequency (MHz)	5220.000000
Relative permittivity (real part)	48.273014
Conductivity (S/m)	5.543260
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	22.11
Crest factor:	1:1

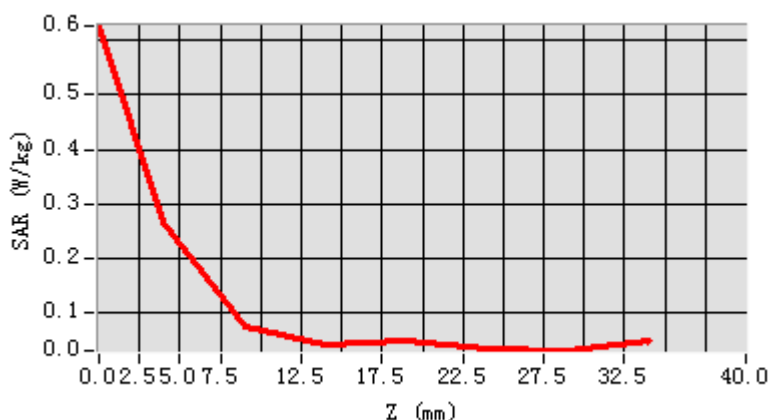


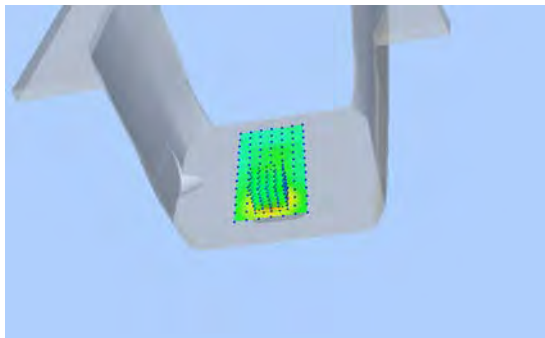
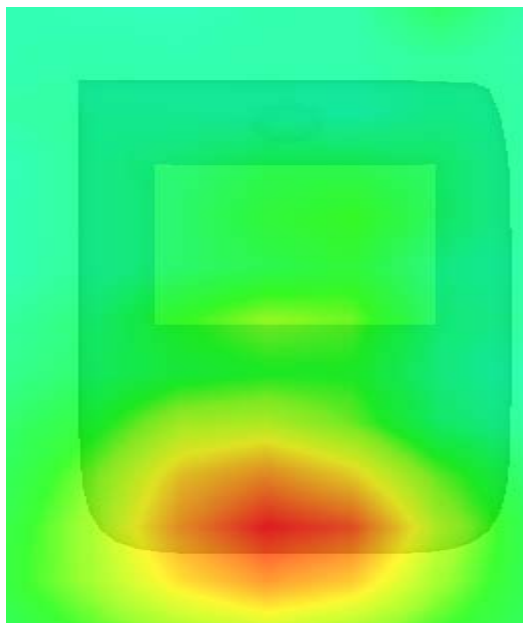
Maximum location: X=-3.00, Y=-48.00

SAR Peak: 0.60 W/kg

SAR 10g (W/Kg)	0.143318
SAR 1g (W/Kg)	0.304238

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6261	0.2674	0.0772	0.0426	0.0484	0.0365	0.0313



3D screen shot	Hot spot position
	



MEASUREMENT 122

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 59 seconds

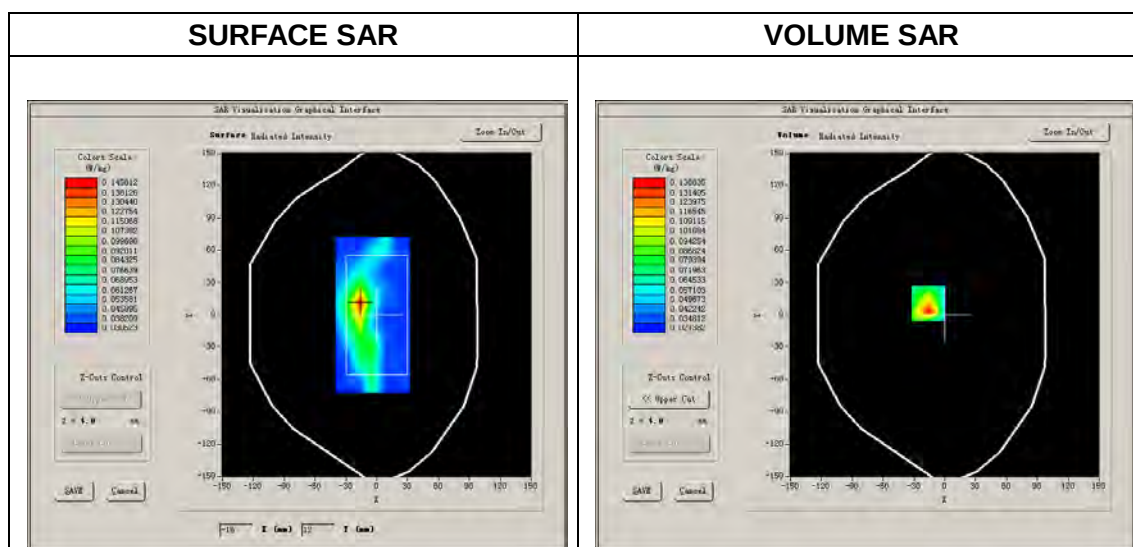
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 120):

Frequency (MHz)	5600.000000
Relative permittivity (real part)	48.394381
Conductivity (S/m)	5.7432600
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	23.69
Crest factor:	1:1





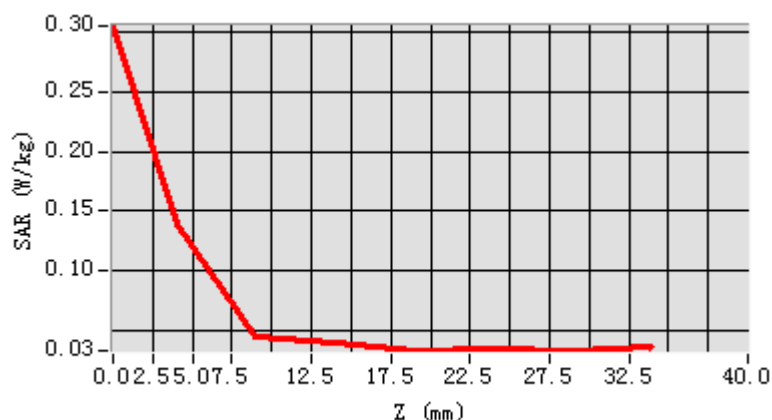
REPORT No. : SZ17070185S01

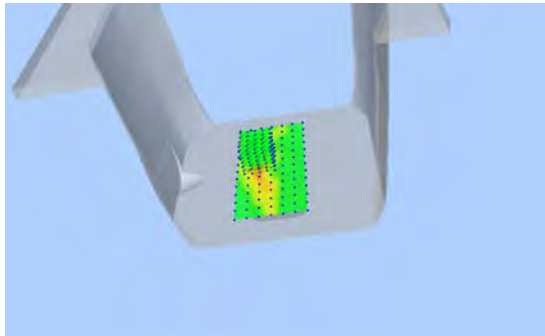
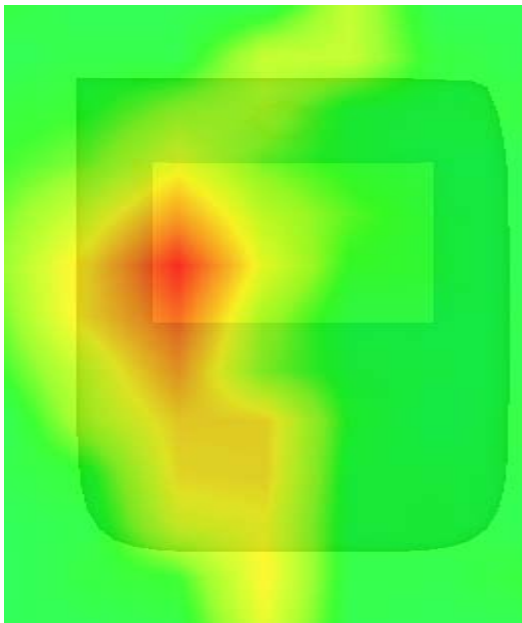
Maximum location: X=-16.00, Y=11.00

SAR Peak: 0.30 W/kg

SAR 10g (W/Kg)	0.075179
SAR 1g (W/Kg)	0.150084

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3046	0.1388	0.0458	0.0397	0.0335	0.0356	0.0337



3D screen shot	Hot spot position
	



MEASUREMENT 123

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 58 seconds

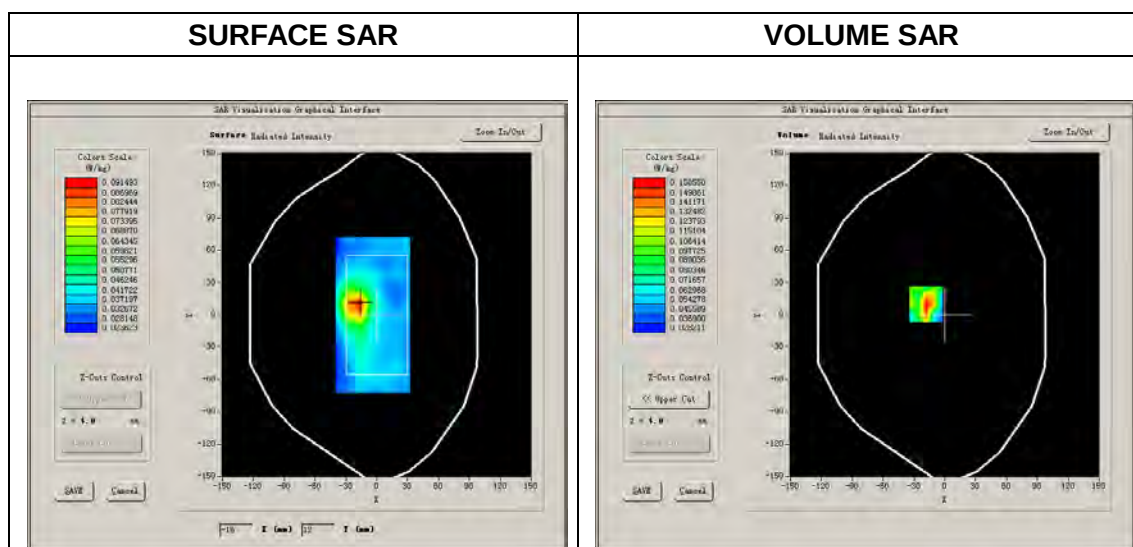
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 157):

Frequency (MHz)	5785.000000
Relative permittivity (real part)	48.093428
Conductivity (S/m)	5.930716
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	23.02
Crest factor:	1:1



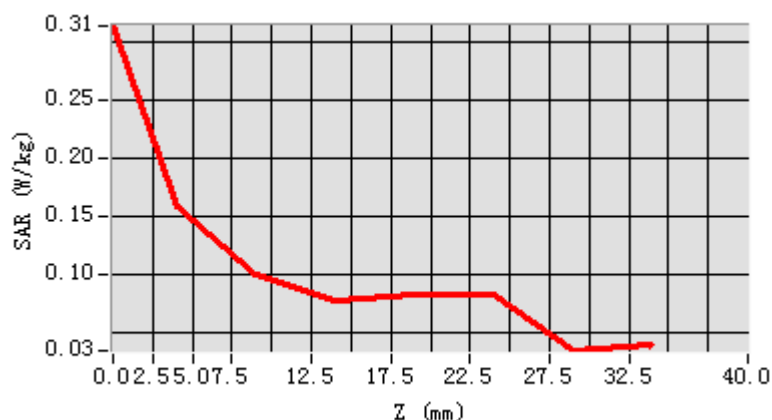


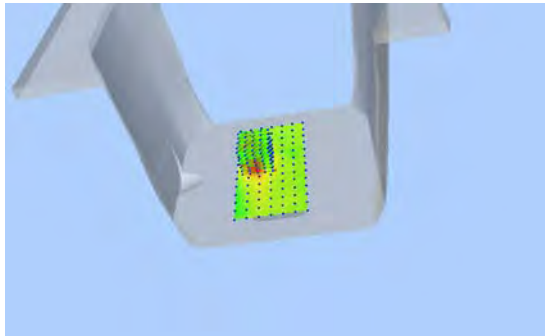
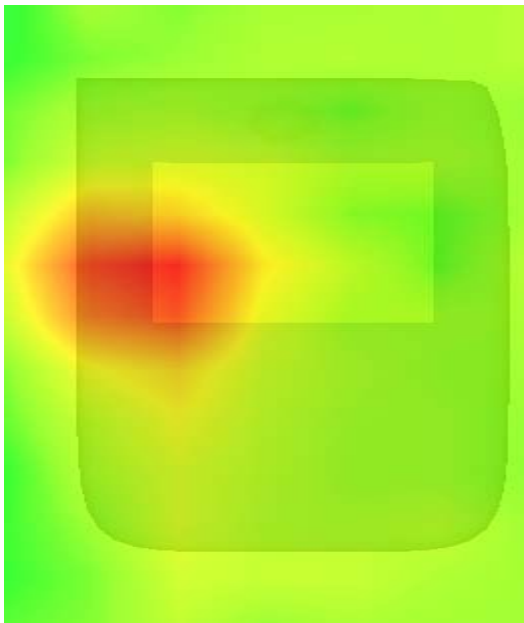
Maximum location: X=-18.00, Y=10.00

SAR Peak: 0.37 W/kg

SAR 10g (W/Kg)	0.099957
SAR 1g (W/Kg)	0.186499

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3137	0.1585	0.0992	0.0777	0.0831	0.0837	0.0345



3D screen shot	Hot spot position
	

**MEASUREMENT 124**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 59 seconds

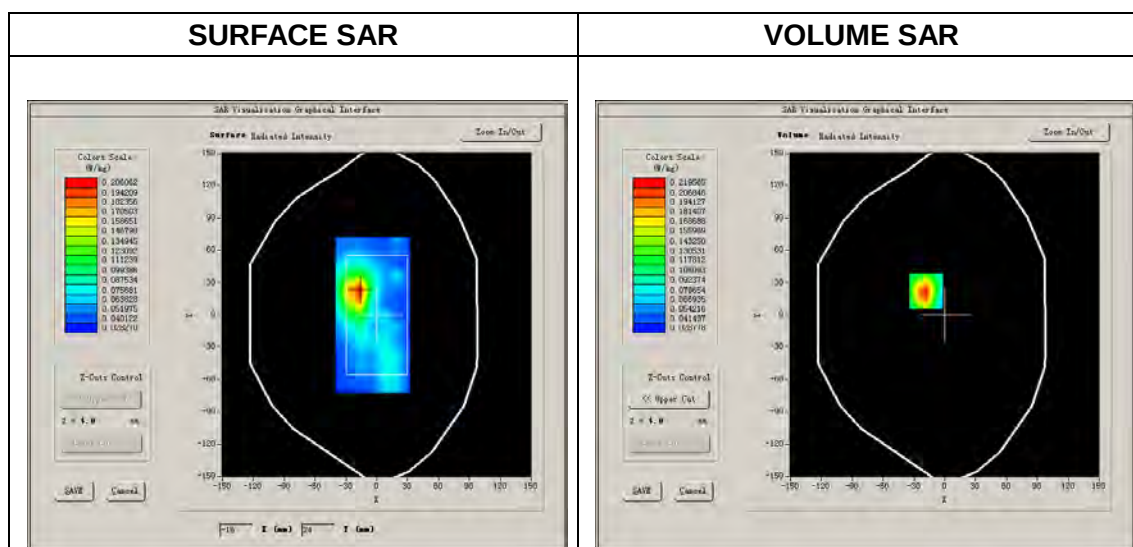
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11a U-NII</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>OFDM</u>

B. SAR Measurement Results

Middle Band SAR (Channel 44):

Frequency (MHz)	5220.000000
Relative permittivity (real part)	48.273014
Conductivity (S/m)	5.543260
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	22.11
Crest factor:	1:1



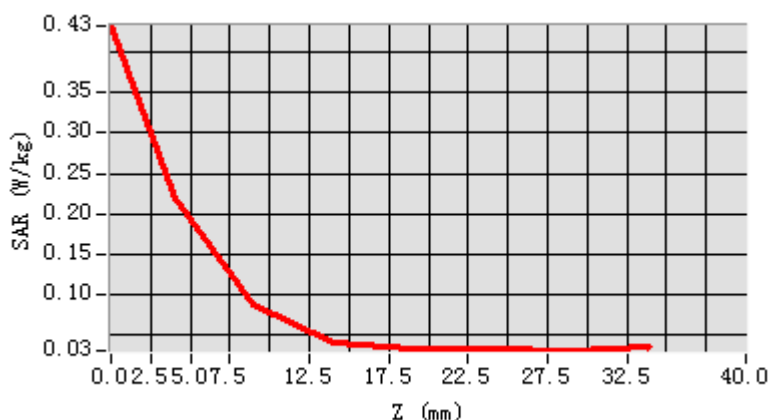


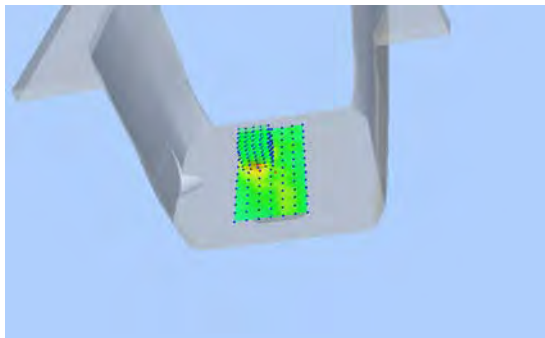
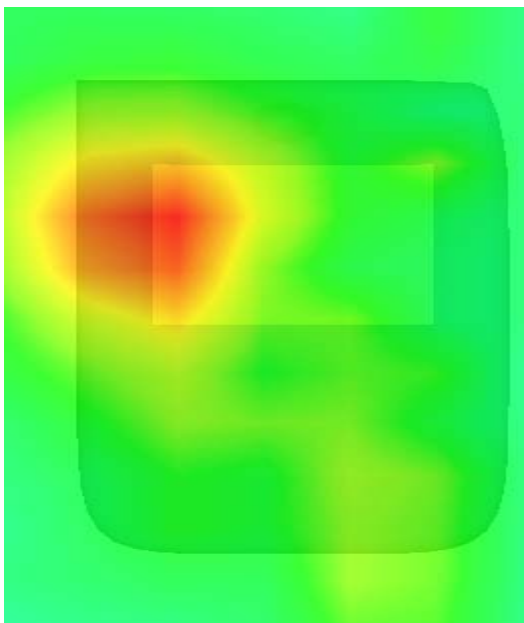
Maximum location: X=-18.00, Y=22.00

SAR Peak: 0.45 W/kg

SAR 10g (W/Kg)	0.109147
SAR 1g (W/Kg)	0.235732

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4320	0.2196	0.0870	0.0416	0.0326	0.0330	0.0309



3D screen shot	Hot spot position
	

**MEASUREMENT 125**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

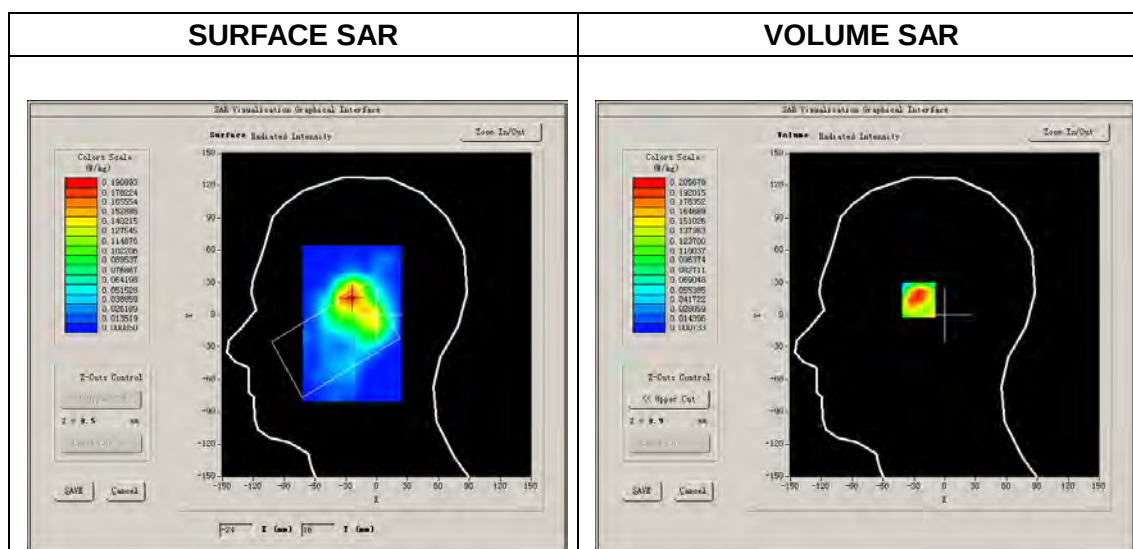
Measurement duration: 13 minutes 43 seconds

A. Experimental conditions.

<u>Phantom File</u>	<u>surf sam plan.txt</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>DSSS</u>

B. SAR Measurement ResultsMiddle Band SAR (Channel 6):

Frequency (MHz)	2437.000000
Relative permittivity (real part)	39.284446
Conductivity (S/m)	1.836061
Power drift (%)	-0.650000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.82
Crest factor:	1:1



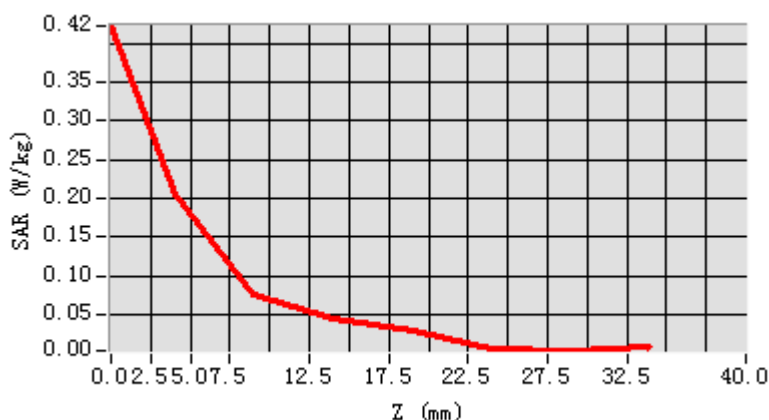


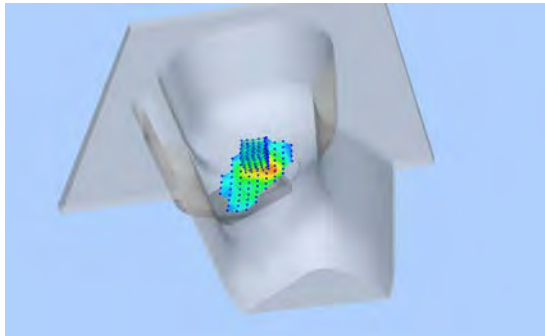
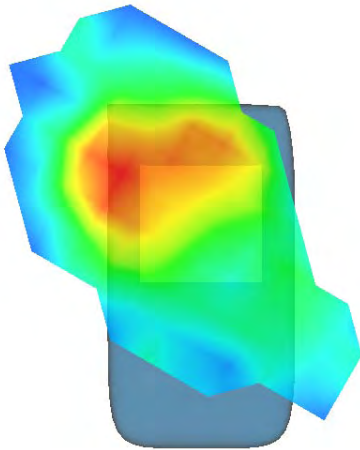
Maximum location: X=-25.00, Y=17.00

SAR Peak: 0.34 W/kg

SAR 10g (W/Kg)	0.090232
SAR 1g (W/Kg)	0.193720

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4220	0.2057	0.0756	0.0456	0.0292	0.0071	0.0033



3D screen shot	Hot spot position
	



MEASUREMENT 126

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13minutes 54 seconds

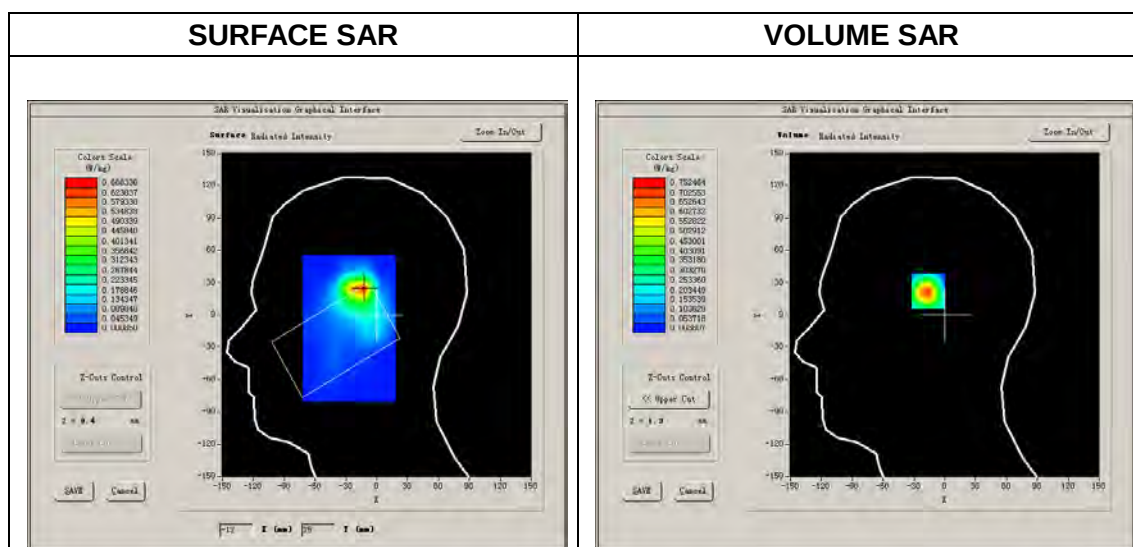
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</u>
<u>Phantom</u>	<u>Right head</u>
<u>Device Position</u>	<u>Tilt</u>
<u>Band</u>	<u>IEEE 802.11b ISM</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>DSSS</u>

B. SAR Measurement Results

Middle Band SAR (Channel 6)

Frequency (MHz)	2437.000000
Relative permittivity (real part)	39.284446
Conductivity (S/m)	1.836061
Power drift (%)	-0.650000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.82
Crest factor:	1:1

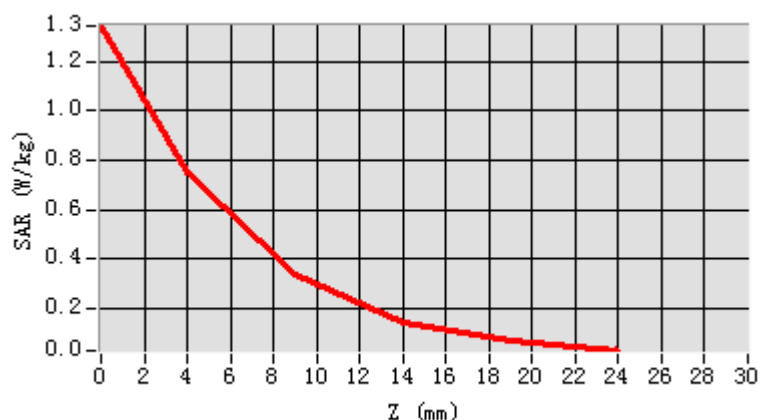


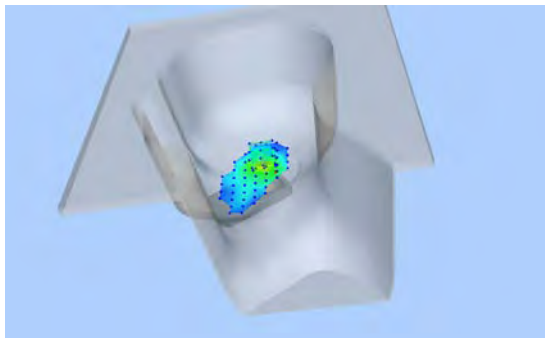
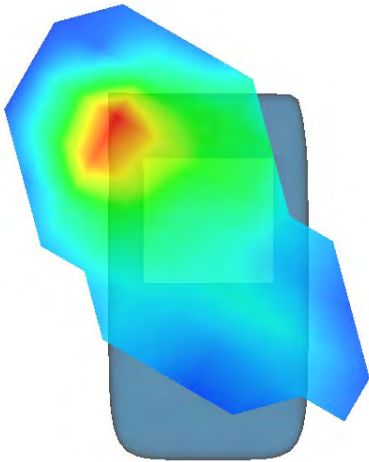
Maximum location: X=-15.00, Y=24.00

SAR Peak: 1.36 W/kg

SAR 10g (W/Kg)	0.030990
SAR 1g (W/Kg)	0.085362

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.3446	0.7525	0.3385	0.1472	0.0680



3D screen shot	Hot spot position
	

**MEASUREMENT 127**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13minutes 56 seconds

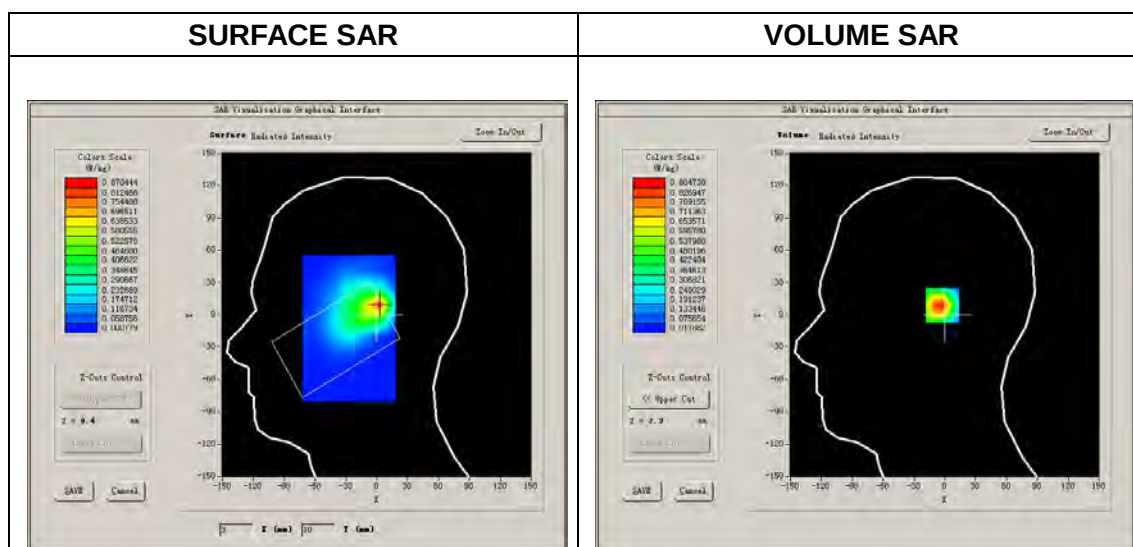
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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>DSSS</u>

B. SAR Measurement Results

Middle Band SAR (Channel 6)

Frequency (MHz)	2437.000000
Relative permittivity (real part)	39.284446
Conductivity (S/m)	1.836061
Power drift (%)	-0.650000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.82
Crest factor:	1:1

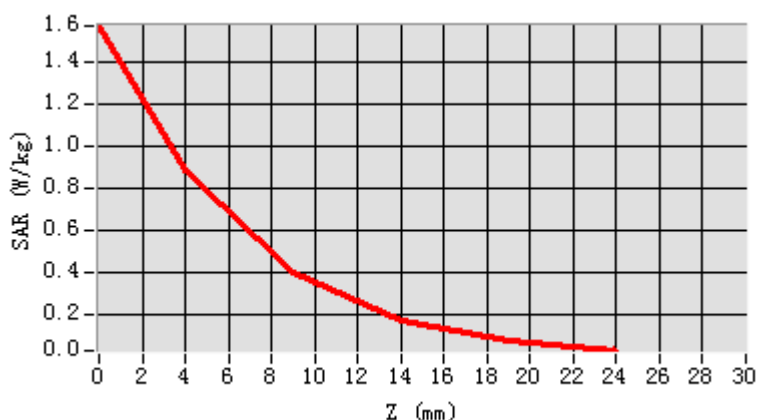


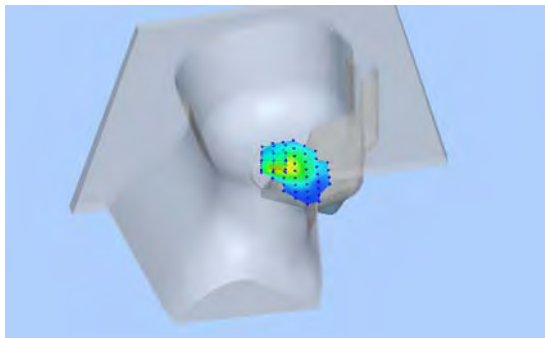
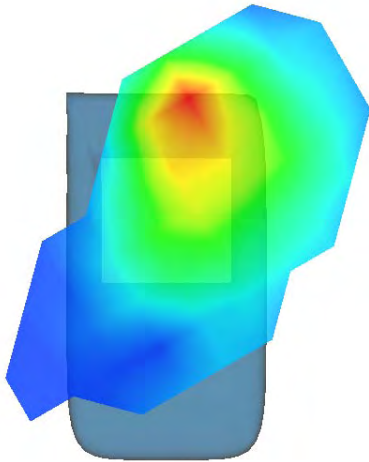
Maximum location: X=2.00, Y=9.00

SAR Peak: 1.61 W/kg

SAR 10g (W/Kg)	0.047130
SAR 1g (W/Kg)	0.104646

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.5740	0.8847	0.3989	0.1714	0.0756



3D screen shot	Hot spot position
	

**MEASUREMENT 128**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

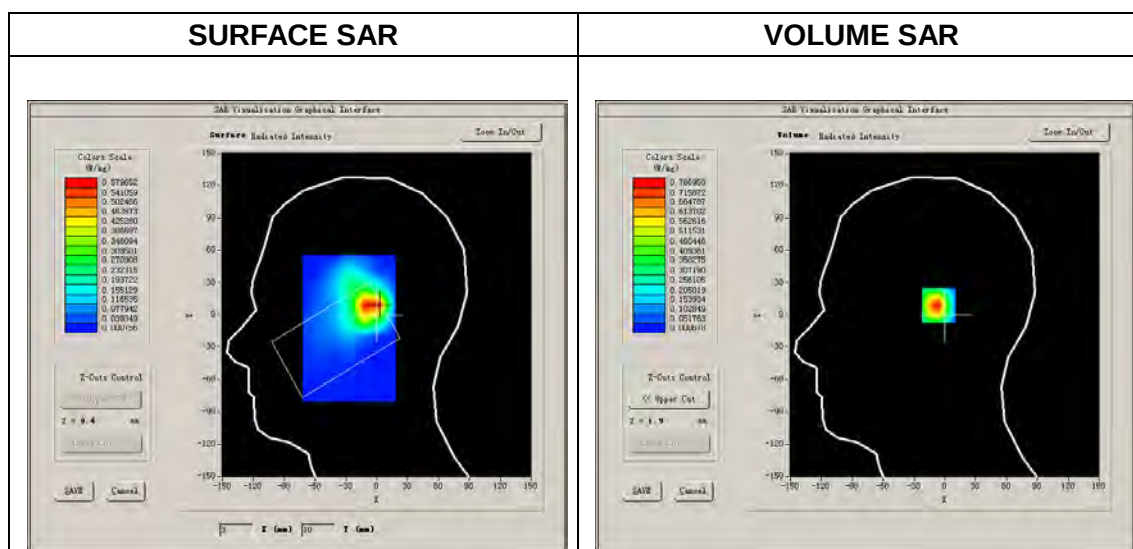
Measurement duration: 13minutes 56 seconds

A. Experimental conditions.

<u>Phantom File</u>	<u>surf sam plan.txt</u>
<u>Phantom</u>	<u>Left head</u>
<u>Device Position</u>	<u>Tilt</u>
<u>Band</u>	<u>IEEE 802.11b ISM</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>DSSS</u>

B. SAR Measurement ResultsMiddle Band SAR (Channel 6)

Frequency (MHz)	2437.000000
Relative permittivity (real part)	39.284446
Conductivity (S/m)	1.836061
Power drift (%)	-0.650000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.82
Crest factor:	1:1



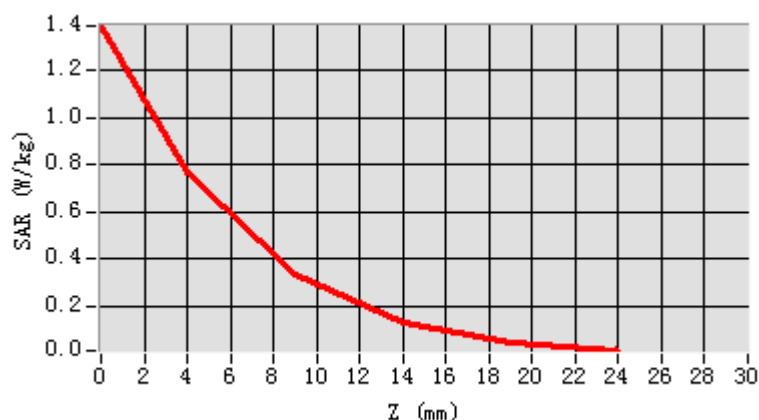


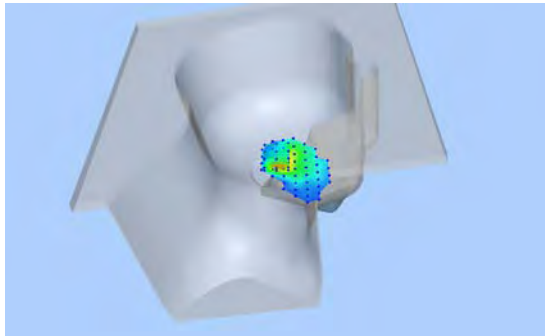
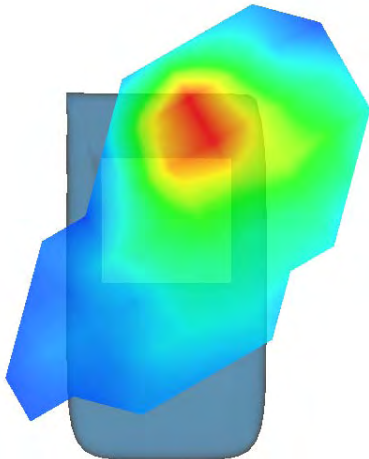
Maximum location: X=-2.00, Y=9.00

SAR Peak: 1.42 W/kg

SAR 10g (W/Kg)	0.031602
SAR 1g (W/Kg)	0.077419

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.3872	0.7670	0.3326	0.1317	0.0493



3D screen shot	Hot spot position
	

**MEASUREMENT 129**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 56 seconds

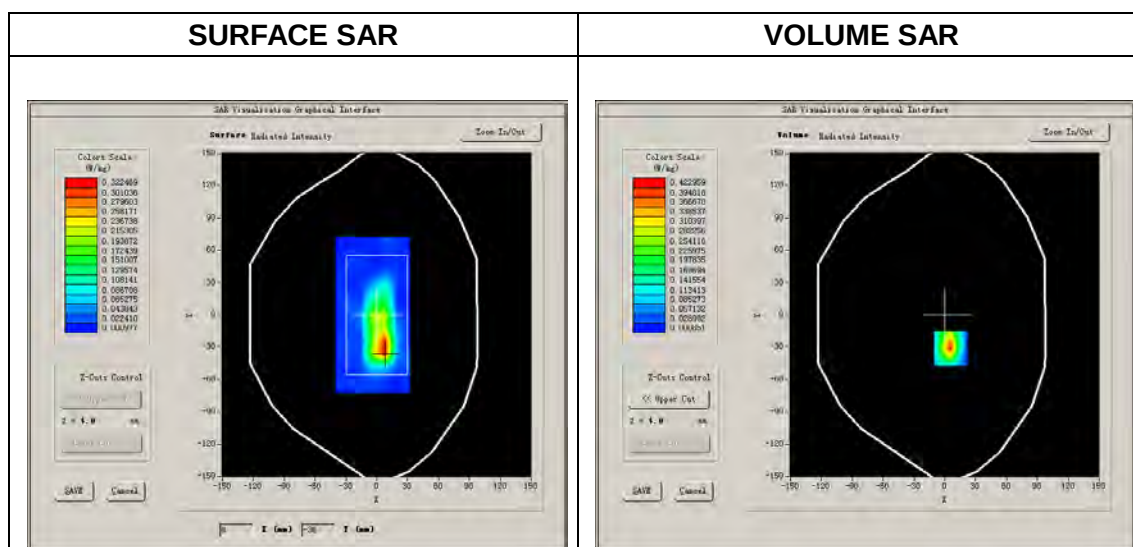
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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>DSSS</u>

B. SAR Measurement Results

Middle Band SAR (Channel 6)

Frequency (MHz)	2437.000000
Relative permittivity (real part)	52.884446
Conductivity (S/m)	1.966143
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.96
Crest factor:	1:1

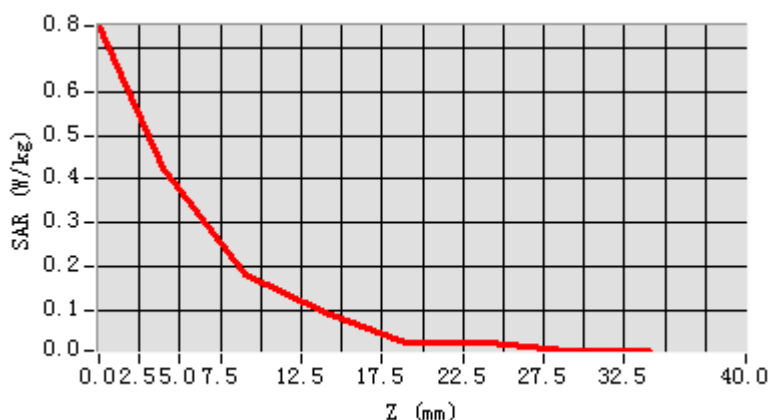


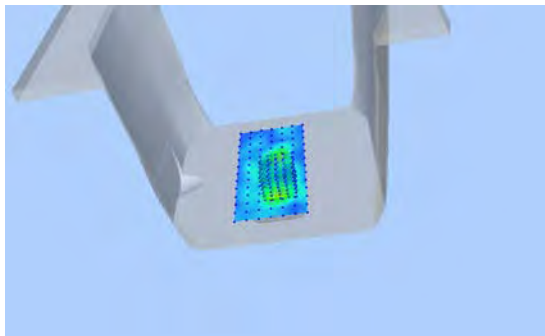
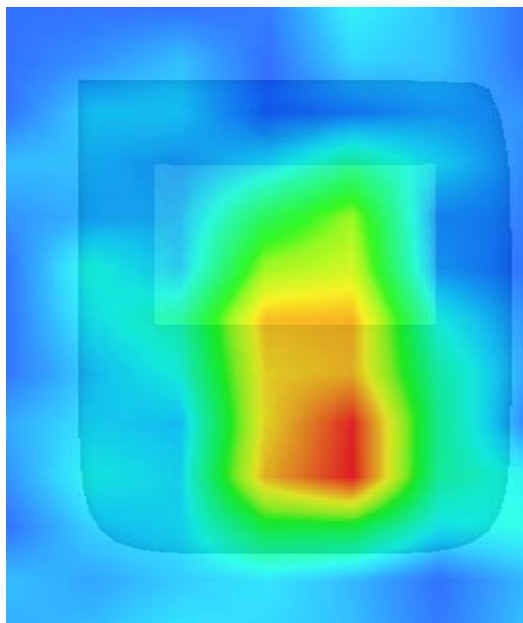
Maximum location: X=6.00, Y=-31.00

SAR Peak: 0.75 W/kg

SAR 10g (W/Kg)	0.143297
SAR 1g (W/Kg)	0.370286

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.7509	0.4230	0.1821	0.0951	0.0230	0.0260	0.0066



3D screen shot	Hot spot position
	

**MEASUREMENT 130**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 0 seconds

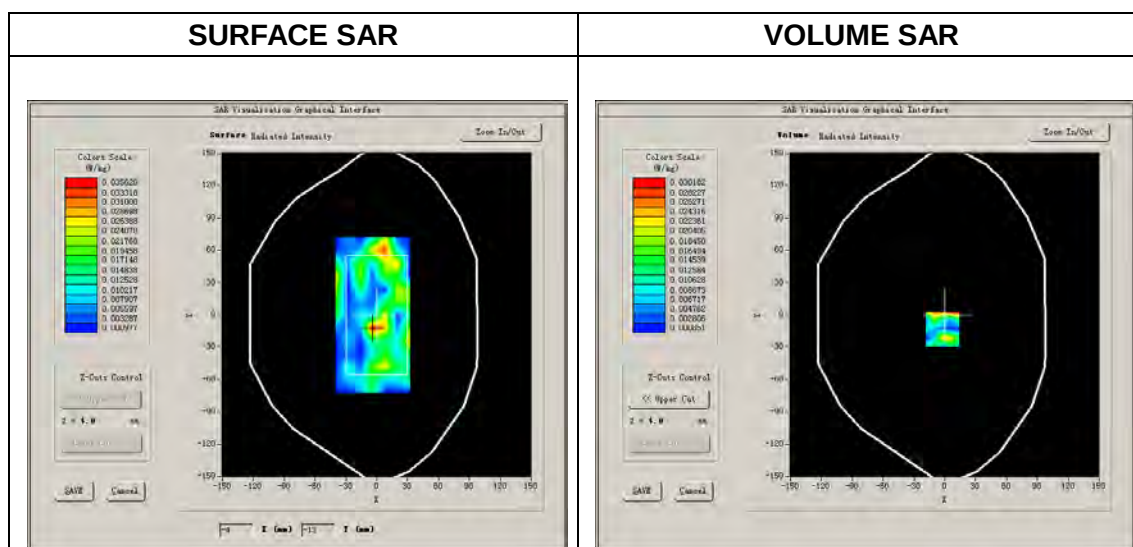
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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>DSSS</u>

B. SAR Measurement Results

Middle Band SAR (Channel 6)

Frequency (MHz)	2437.000000
Relative permittivity (real part)	52.884446
Conductivity (S/m)	1.966143
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.96
Crest factor:	1:1

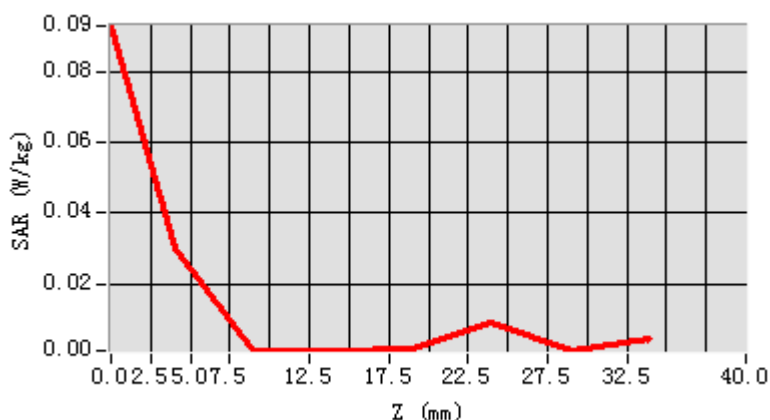


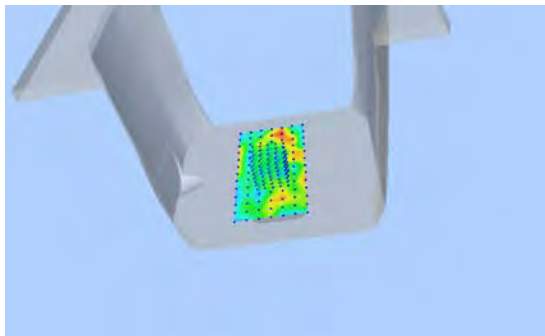
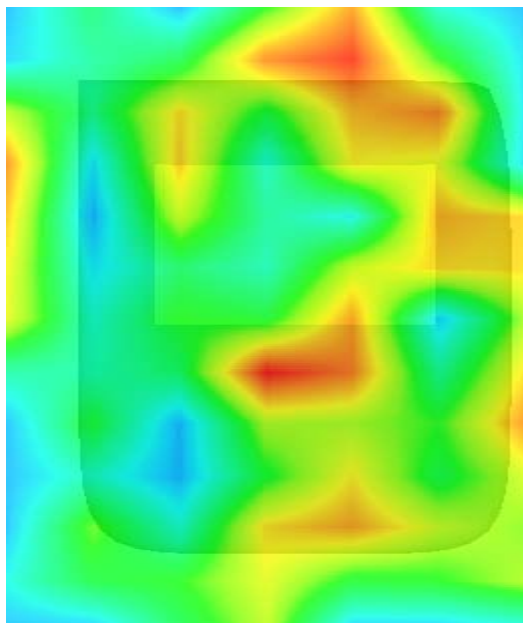
Maximum location: X=-2.00, Y=-13.00

SAR Peak: 0.08 W/kg

SAR 10g (W/Kg)	0.109752
SAR 1g (W/Kg)	0.216255

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0934	0.0302	0.0009	0.0010	0.0016	0.0089	0.0010



3D screen shot	Hot spot position
	



MEASUREMENT 131

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13 minutes 0 seconds

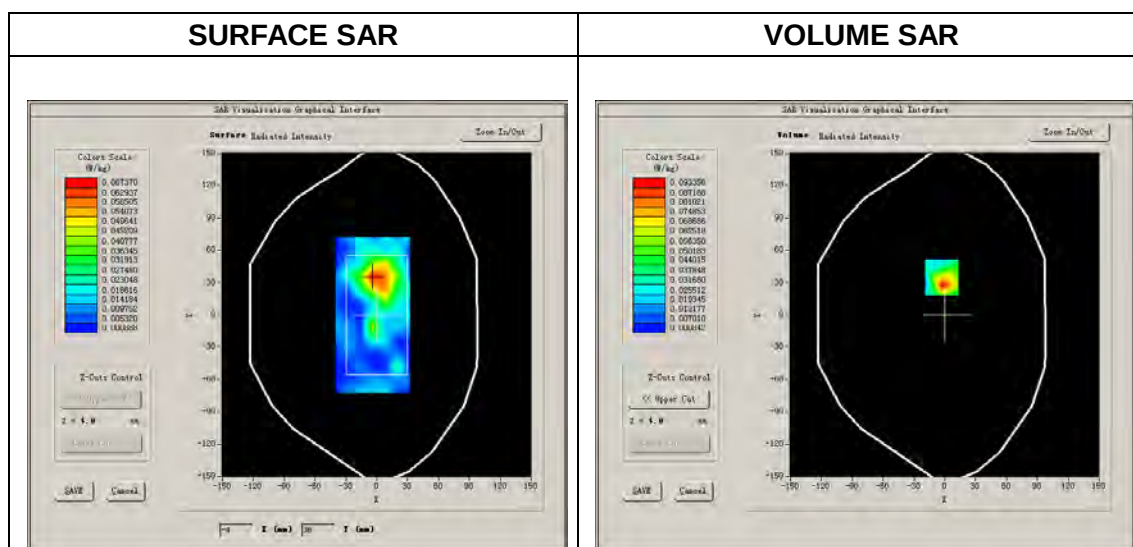
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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>DSSS</u>

B. SAR Measurement Results

Middle Band SAR (Channel 6)

Frequency (MHz)	2437.000000
Relative permittivity (real part)	52.884446
Conductivity (S/m)	1.966143
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.96
Crest factor:	1:1

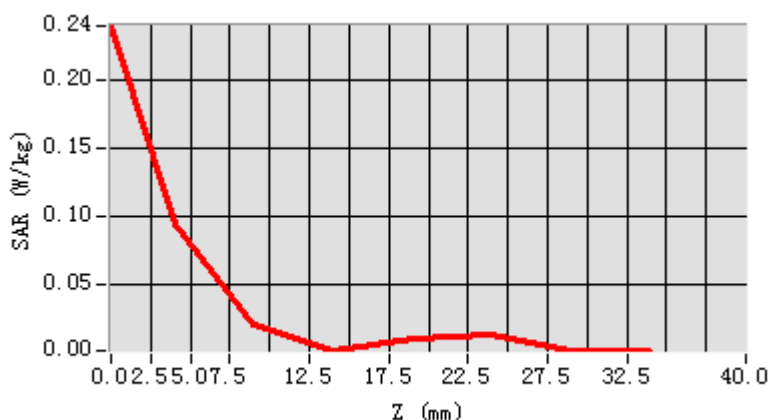


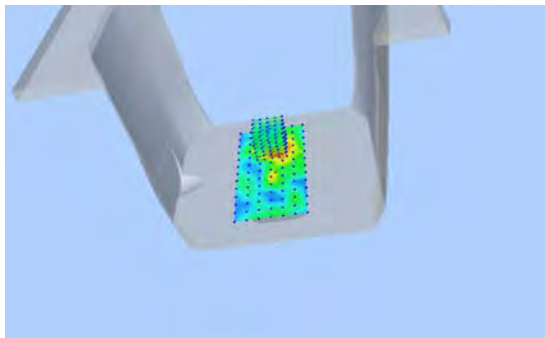
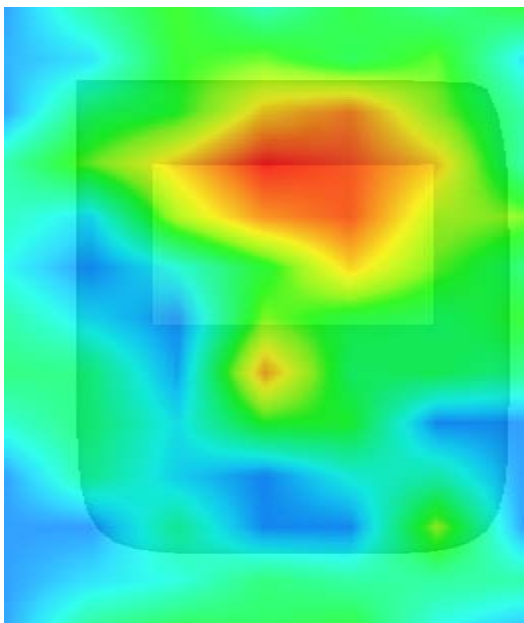
Maximum location: X=-3.00, Y=35.00

SAR Peak: 0.16 W/kg

SAR 10g (W/Kg)	0.077304
SAR 1g (W/Kg)	0.188458

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2396	0.0934	0.0197	0.0012	0.0092	0.0133	0.0015



3D screen shot	Hot spot position
	



MEASUREMENT 132

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

Measurement duration: 13minutes 57 seconds

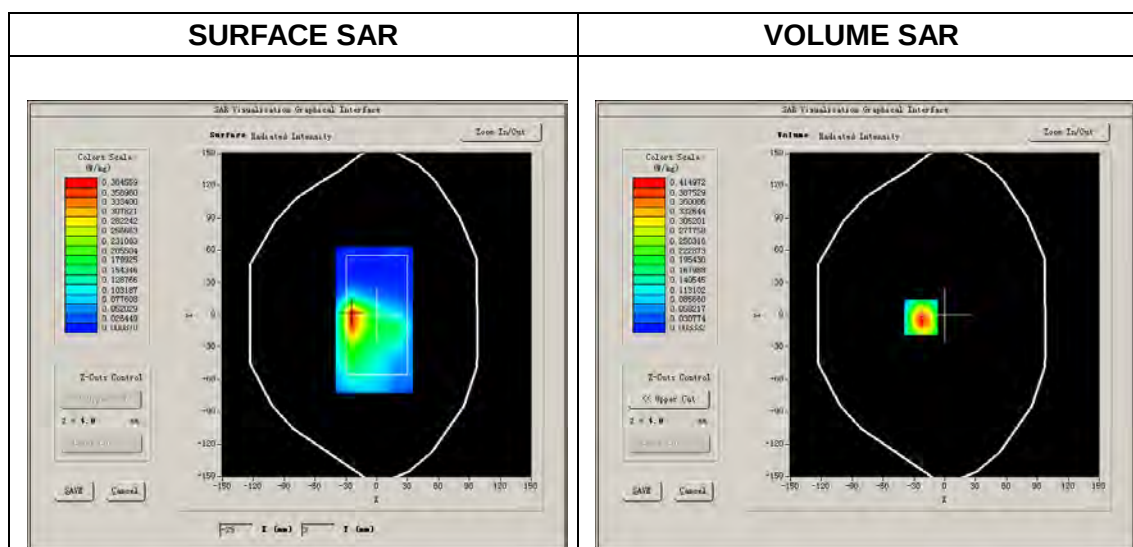
A. Experimental conditions.

<u>Phantom File</u>	<u>surf_sam_plan.txt</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>DSSS</u>

B. SAR Measurement Results

Middle Band SAR (Channel 6)

Frequency (MHz)	2437.000000
Relative permittivity (real part)	52.884446
Conductivity (S/m)	1.966143
Power drift (%)	-3.450000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.7°C
ConvF:	4.96
Crest factor:	1:1



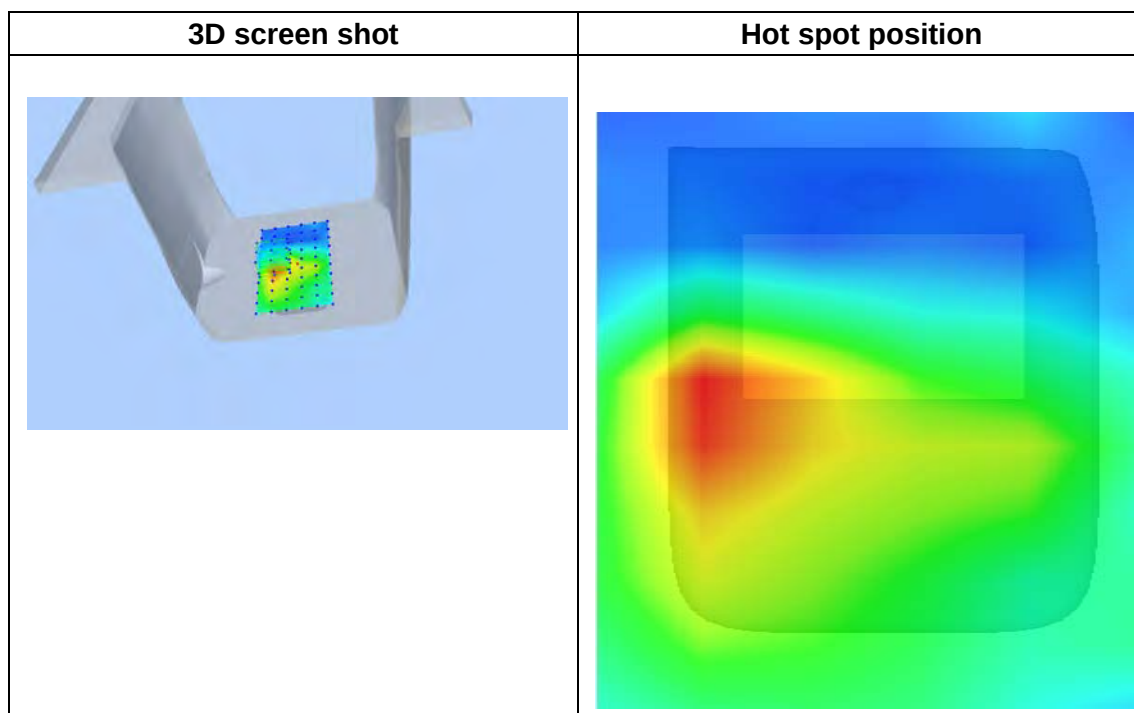
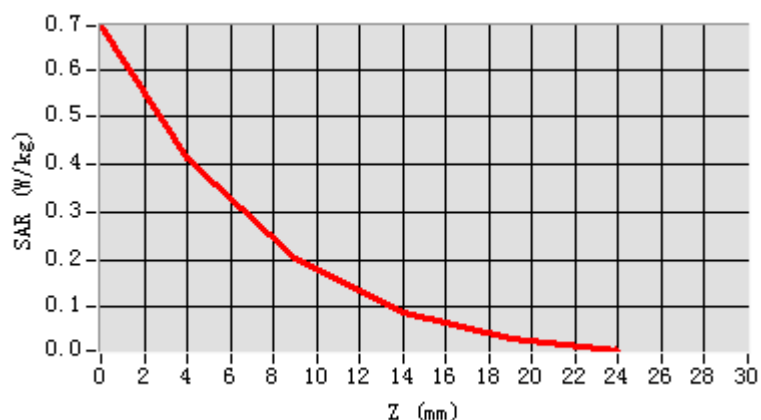


Maximum location: X=-23.00, Y=-2.00

SAR Peak: 0.70 W/kg

SAR 10g (W/Kg)	0.064104
SAR 1g (W/Kg)	0.116101

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6920	0.4150	0.2028	0.0899	0.0347



**ANNEX C SYSTEM CHECK DATA****System Performance Check Data (835MHz Head)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.01

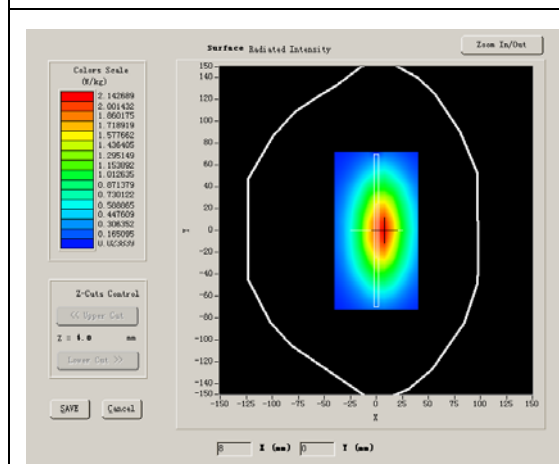
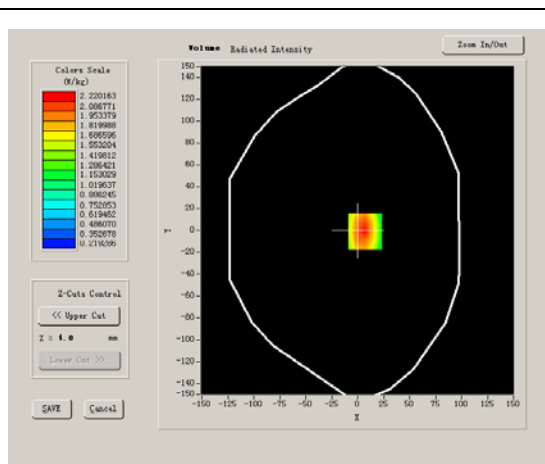
Measurement duration: 13 minutes 28 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	835MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

Frequency (MHz)	835.000000
Relative permittivity (real part)	41.182291
Conductivity (S/m)	0.891718
Power drift (%)	1.070000
Ambient Temperature:	22.6°C
Liquid Temperature:	21.2°C
ConvF:	6.13
Crest factor:	1:1

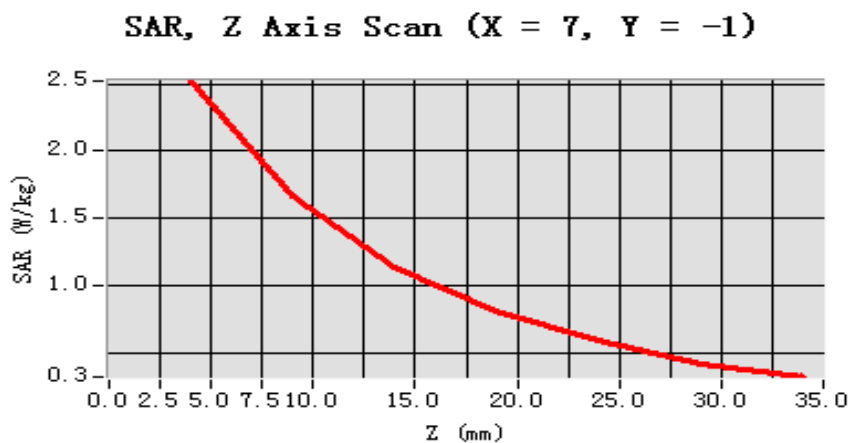
SURFACE SAR**VOLUME SAR**

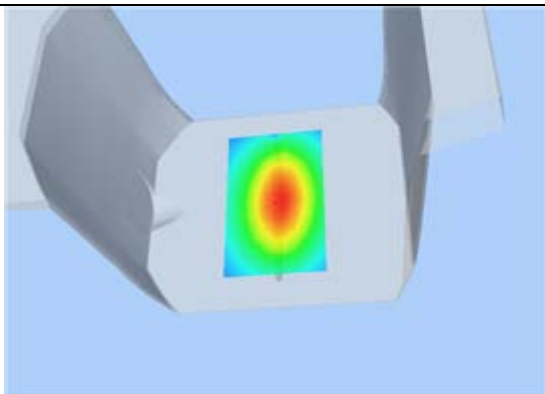
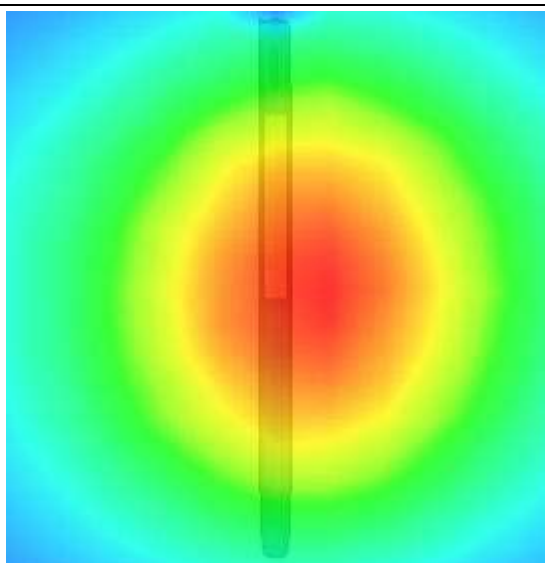
Maximum location: X=7.00, Y=-1.00

SAR 10g (W/Kg)	0.522151
SAR 1g (W/Kg)	0.968476

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	2.5209	1.6629	1.1437	0.8075	0.5889	0.4143



3D scene shot	Hot spot position
	

**System Performance Check Data (835MHz Body)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.01

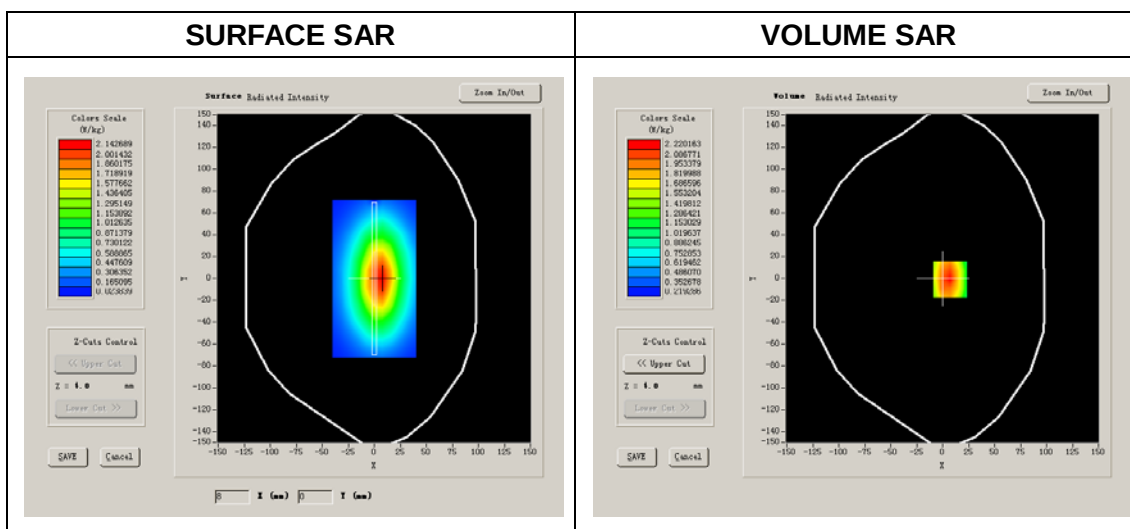
Measurement duration: 13 minutes 28 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	835MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

Frequency (MHz)	835.000000
Relative permittivity (real part)	55.282291
Conductivity (S/m)	0.971718
Power drift (%)	1.070000
Ambient Temperature:	22.6°C
Liquid Temperature:	21.2°C
ConvF:	6.37
Crest factor:	1:1

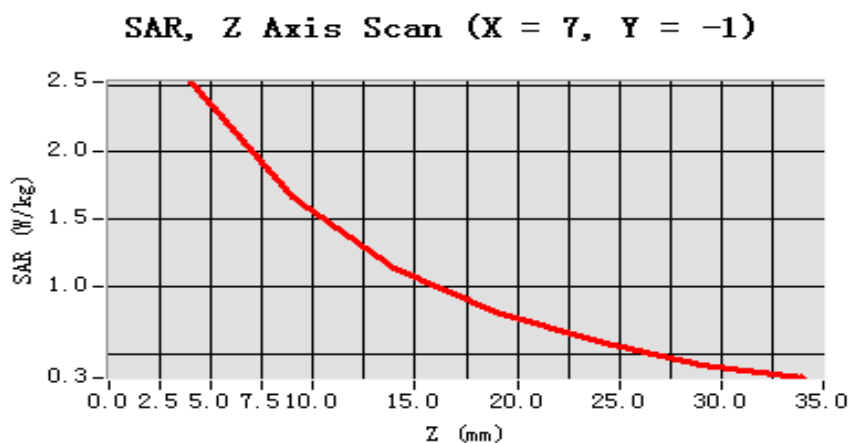


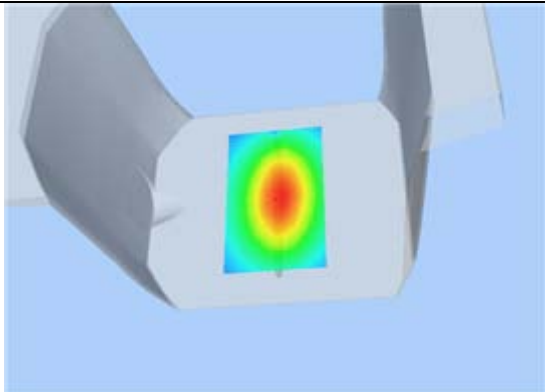
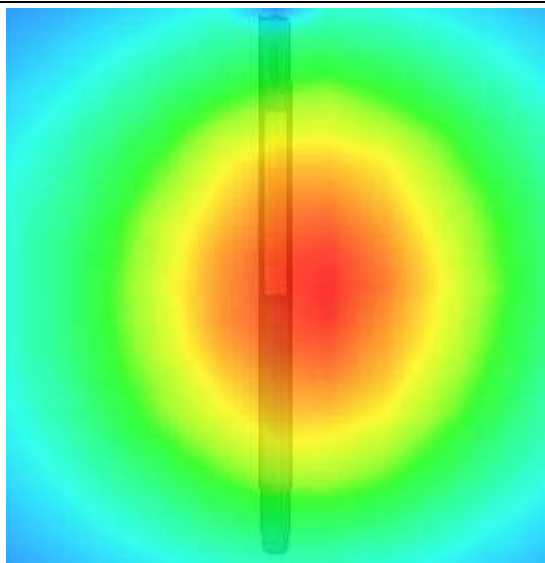
Maximum location: X=7.00, Y=-1.00

SAR 10g (W/Kg)	0.422151
SAR 1g (W/Kg)	0.986576

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	2.5209	1.6629	1.1437	0.8075	0.5889	0.4143



3D scene shot	Hot spot position
	

**System Performance Check Data(1800MHz Head)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

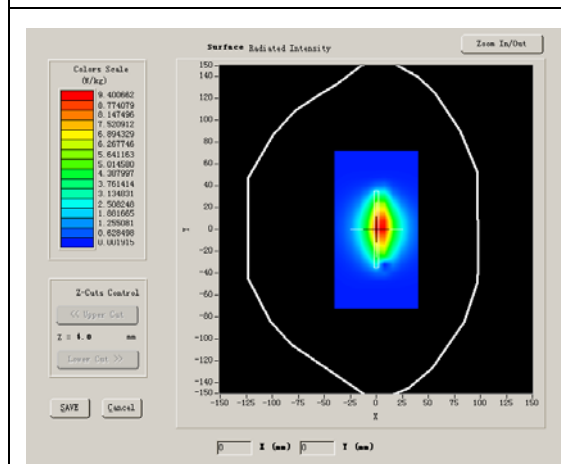
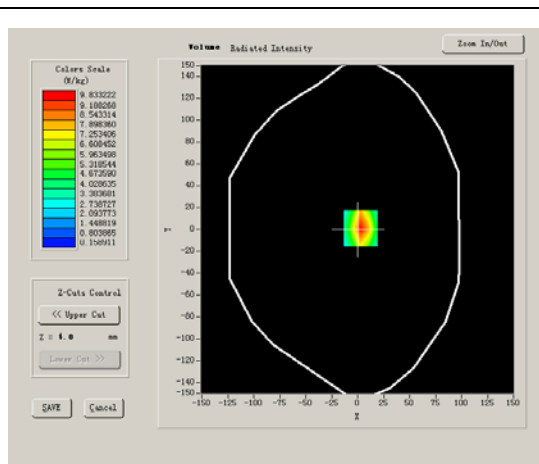
Measurement duration: 13 minutes 27 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	1800MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

Frequency (MHz)	1800.000000
Relative permittivity (real part)	40.095167
Conductivity (S/m)	1.365073
Power drift (%)	0.310000
Ambient Temperature:	22.3°C
Liquid Temperature:	22.6°C
ConvF:	5.21
Crest factor:	1:1

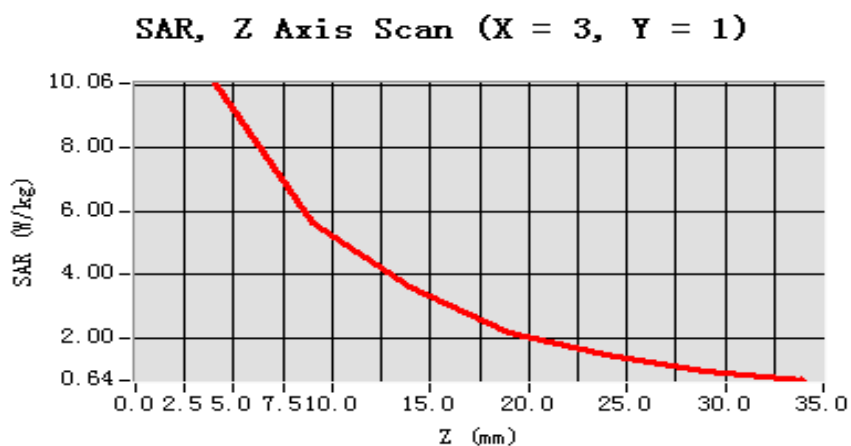
SURFACE SAR**VOLUME SAR**

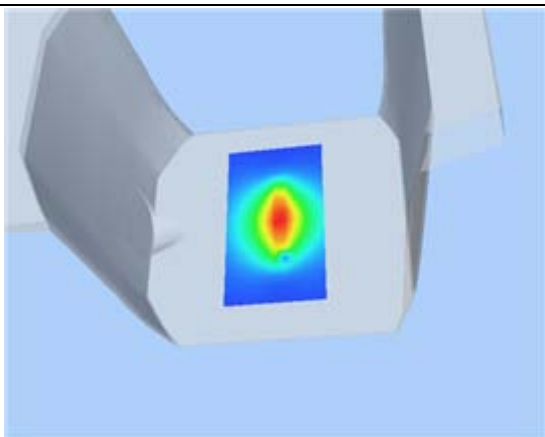
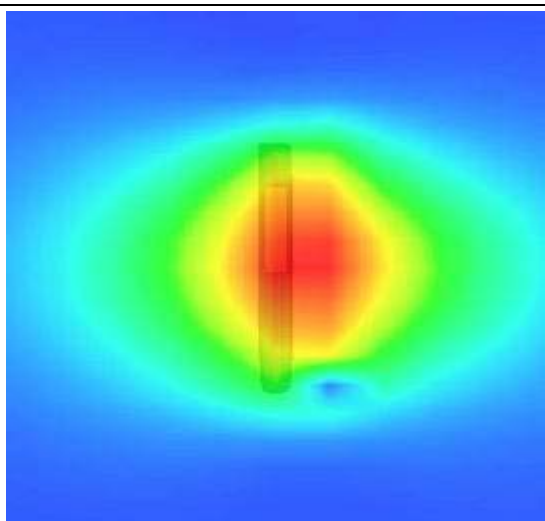
Maximum location: X=3.00, Y=1.00

SAR 10g (W/Kg)	2.048386
SAR 1g (W/Kg)	3.698154

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	10.0621	5.6445	3.6226	2.1642	1.4521	0.9078



3D scene shot	Hot spot position
	

**System Performance Check Data(1800MHz Body)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

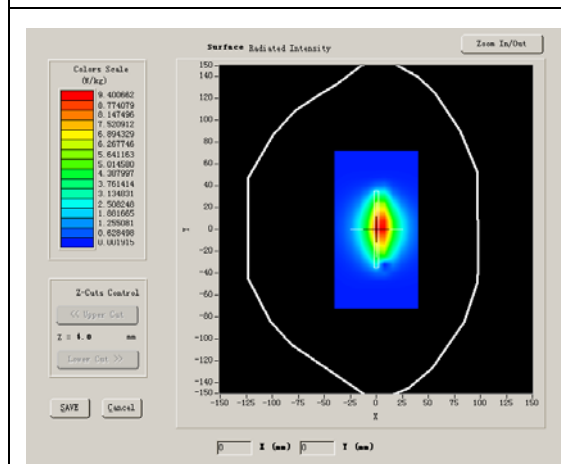
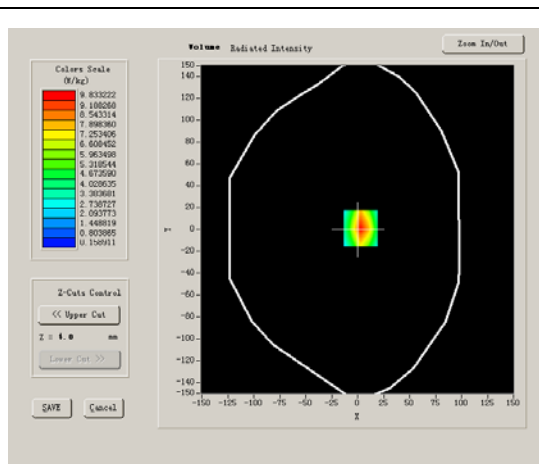
Measurement duration: 13 minutes 27 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	1800MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

Frequency (MHz)	1800.000000
Relative permittivity (real part)	53.295167
Conductivity (S/m)	1.515073
Power drift (%)	0.310000
Ambient Temperature:	22.3°C
Liquid Temperature:	22.6°C
ConvF:	5.38
Crest factor:	1:1

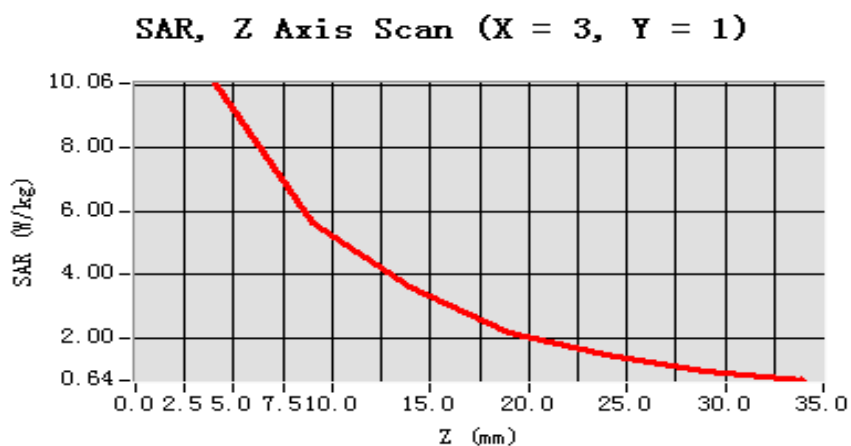
SURFACE SAR**VOLUME SAR**

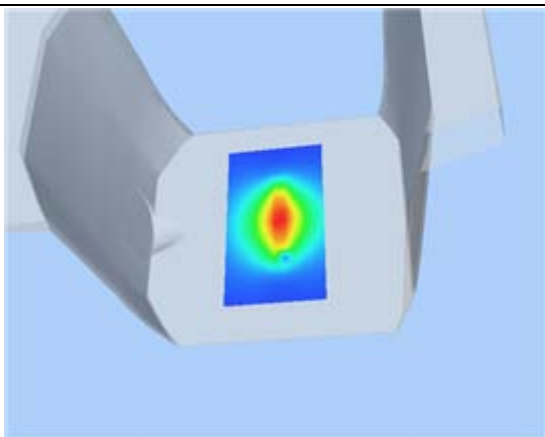
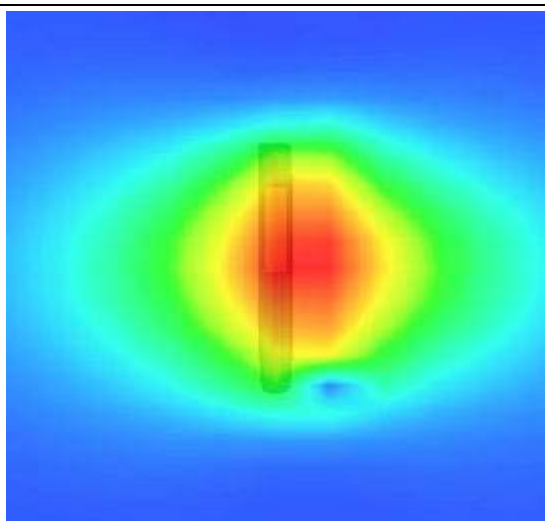
Maximum location: X=3.00, Y=1.00

SAR 10g (W/Kg)	1.938386
SAR 1g (W/Kg)	3.753454

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	10.0621	5.6445	3.6226	2.1642	1.4521	0.9078



3D scene shot	Hot spot position
	

**System Performance Check Data(2000MHz Head)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.01

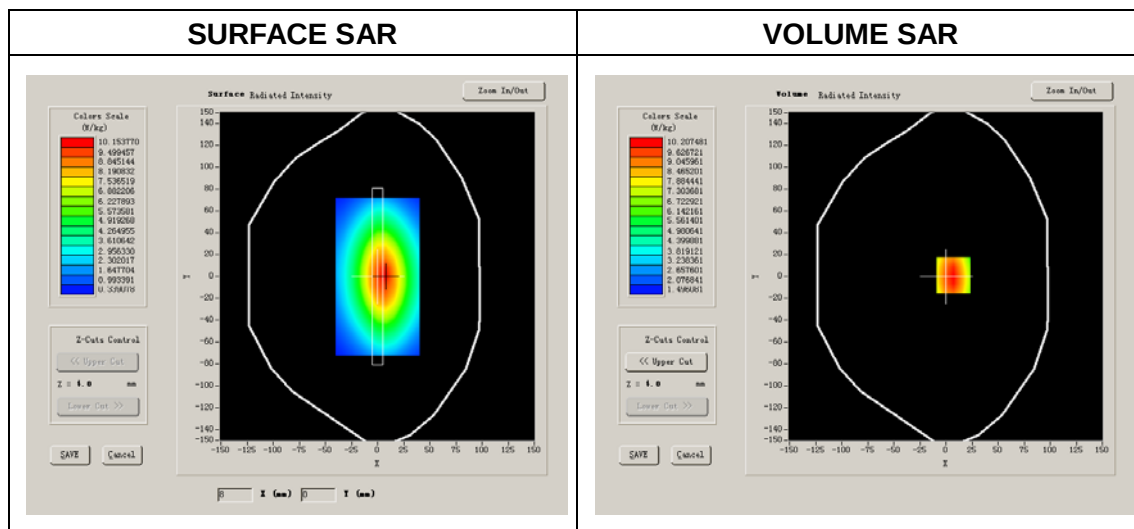
Measurement duration: 13 minutes 27 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	2000MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

Frequency (MHz)	2000.000000
Relative permittivity (real part)	39.984477
Conductivity (S/m)	1.414283
Power drift (%)	-0.830000
Ambient Temperature:	22.1°C
Liquid Temperature:	22.4°C
ConvF:	5.61
Crest factor:	1:1



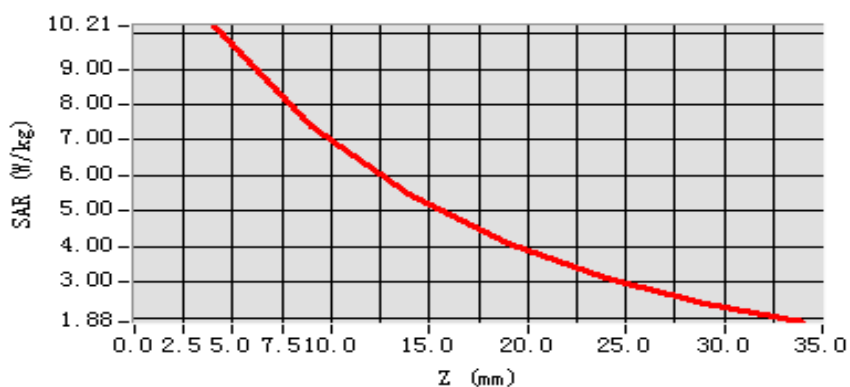
Maximum location: X=7.00, Y=1.00

SAR 10g (W/Kg)	1.992518
SAR 1g (W/Kg)	4.255954

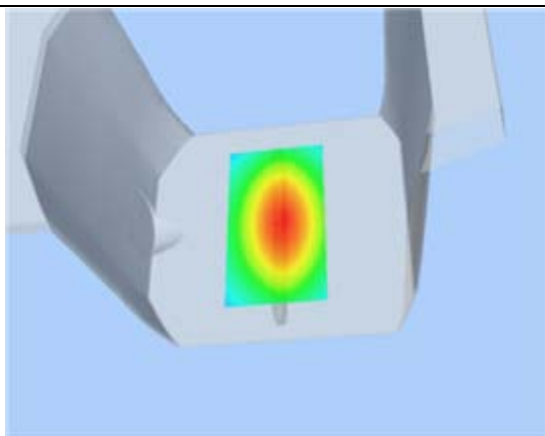
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	10.2075	7.3996	5.4654	4.1101	3.1286	2.4128

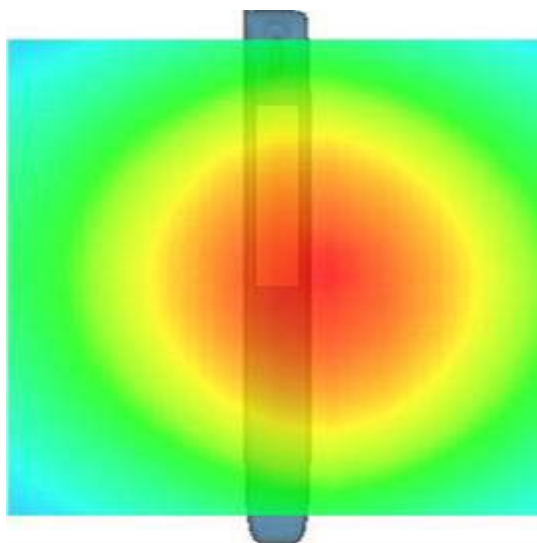
SAR, Z Axis Scan (X = 7, Y = 1)



3D scene shot



Hot spot position



**System Performance Check Data(2000MHz Body)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.01

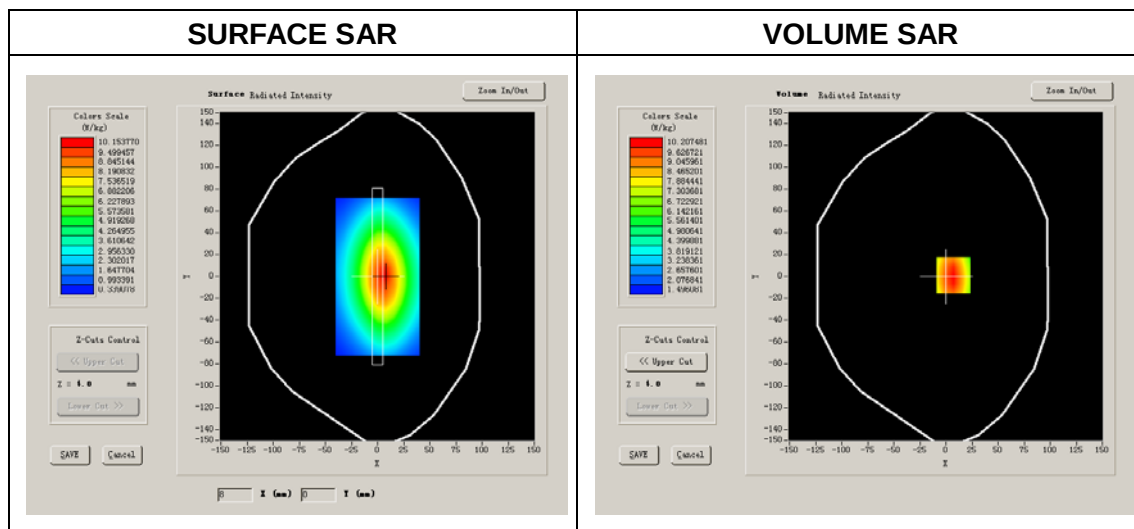
Measurement duration: 13 minutes 27 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	2000MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

Frequency (MHz)	2000.000000
Relative permittivity (real part)	53.285167
Conductivity (S/m)	1.515073
Power drift (%)	-1.860000
Ambient Temperature:	22.1°C
Liquid Temperature:	22.4°C
ConvF:	5.61
Crest factor:	1:1



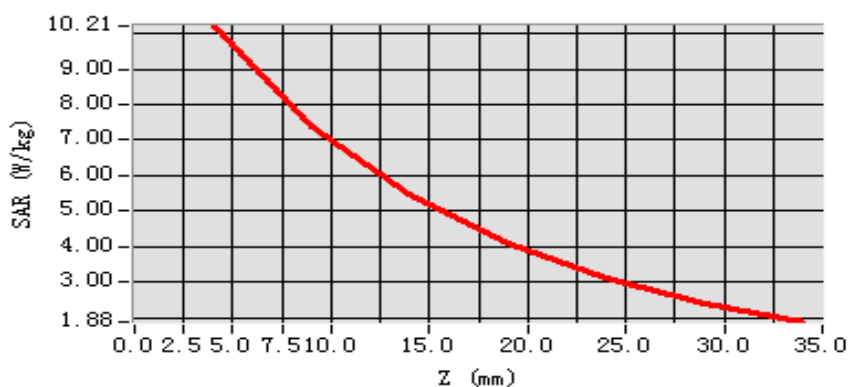
Maximum location: X=7.00, Y=1.00

SAR 10g (W/Kg)	2.092518
SAR 1g (W/Kg)	4.119540

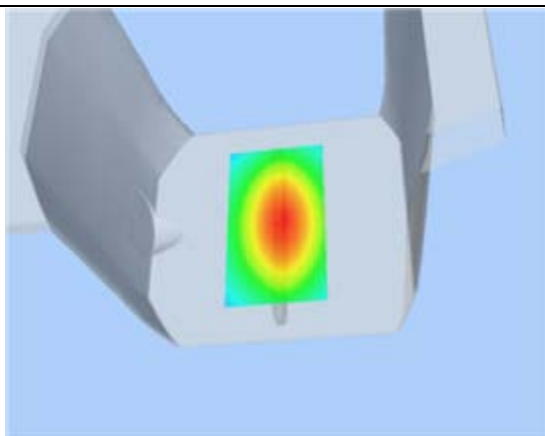
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	10.2075	7.3996	5.4654	4.1101	3.1286	2.4128

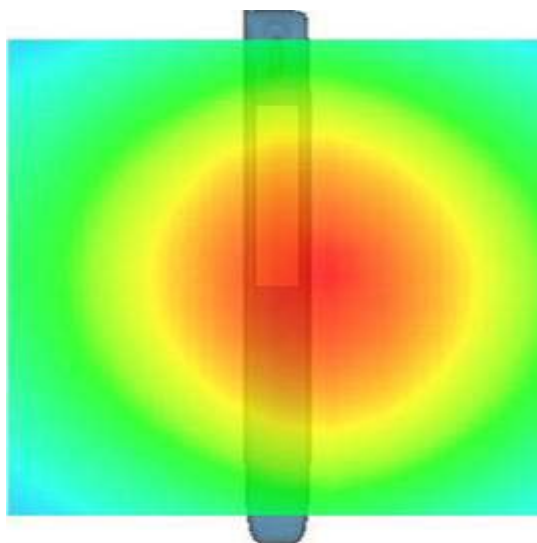
SAR, Z Axis Scan (X = 7, Y = 1)



3D scene shot



Hot spot position



**System Performance Check Data(2450MHz Head)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

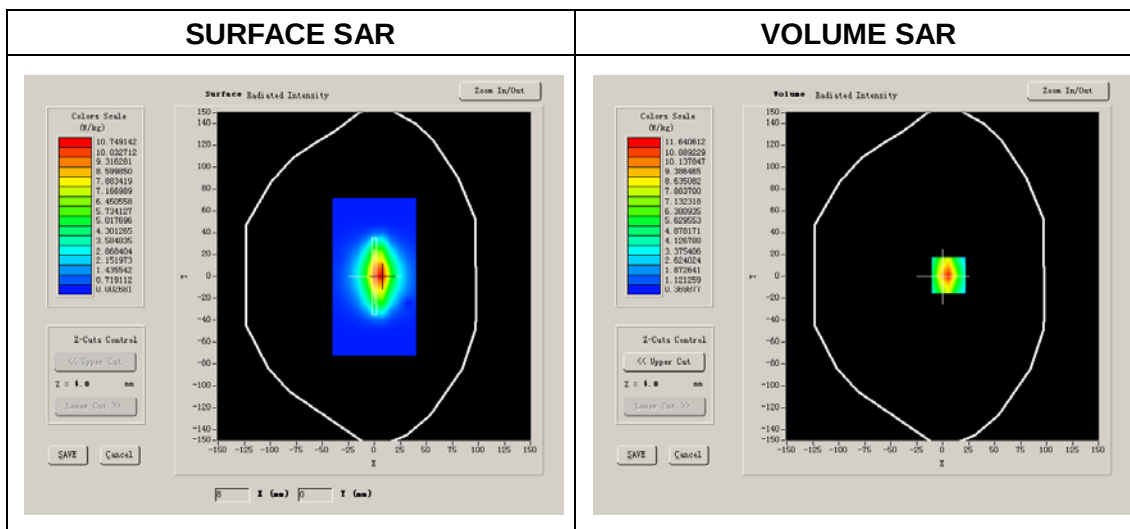
Measurement duration: 13 minutes 31 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	2450MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

Frequency (MHz)	2450.000000
Relative permittivity (real part)	39.284446
Conductivity (S/m)	1.836061
Power Drift (%)	1.080000
Ambient Temperature:	22.0°C
Liquid Temperature:	21.8°C
ConvF:	4.74
Crest factor:	1:1

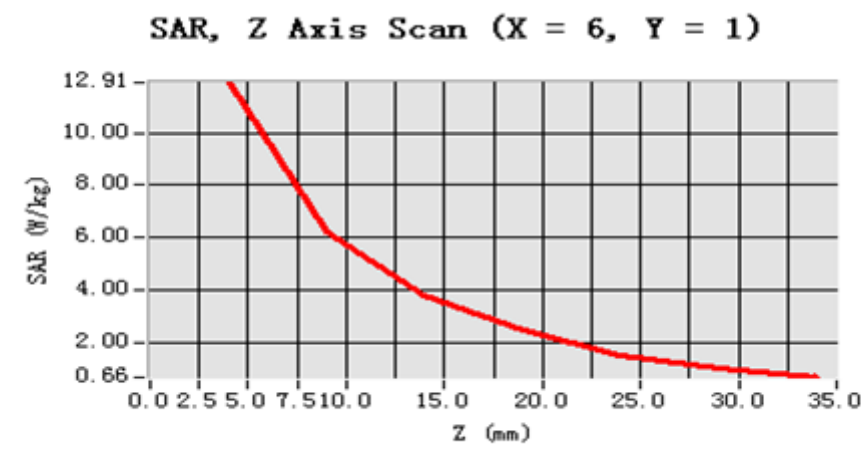


Maximum location: X=6.00, Y=1.00

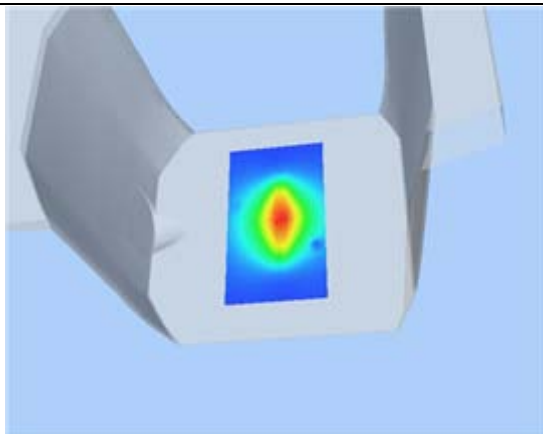
SAR 10g (W/Kg)	2.377250
SAR 1g (W/Kg)	5.326074

Z Axis Scan

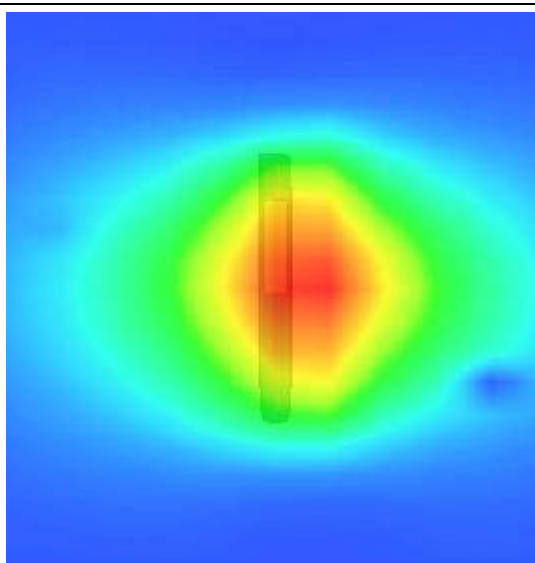
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	12.9615	6.2096	3.8187	2.4504	1.5036	1.0219



3D scene shot



Hot spot position



**System Performance Check Data(2450MHz Body)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.03

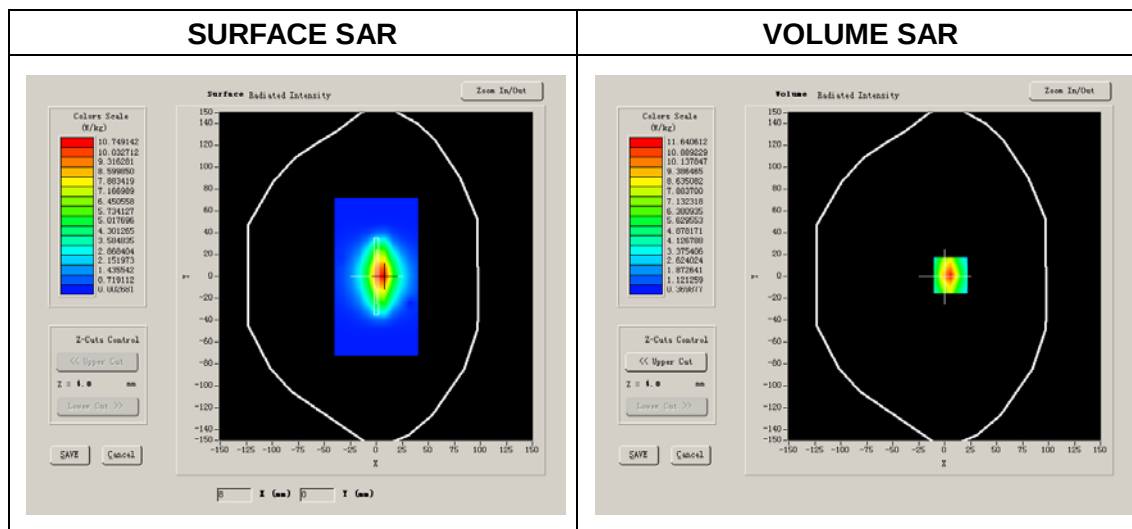
Measurement duration: 13 minutes 31 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	2450MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

Frequency (MHz)	2450.000000
Relative permittivity (real part)	52.884446
Conductivity (S/m)	1.966143
Power Drift (%)	1.080000
Ambient Temperature:	22.0°C
Liquid Temperature:	21.8°C
ConvF:	4.93
Crest factor:	1:1

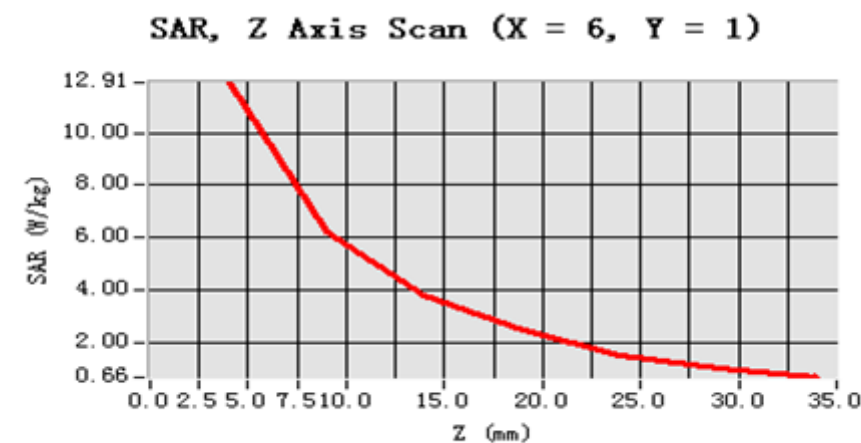


Maximum location: X=6.00, Y=1.00

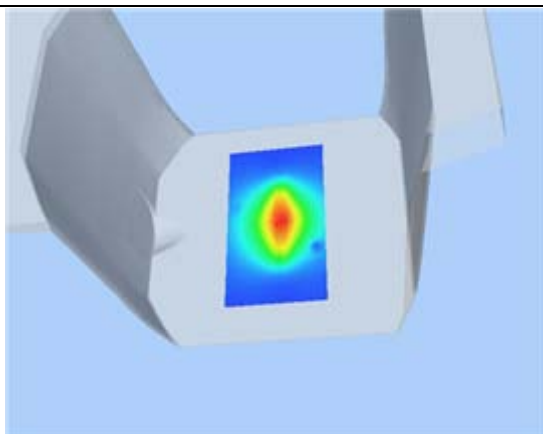
SAR 10g (W/Kg)	2.377250
SAR 1g (W/Kg)	5.081074

Z Axis Scan

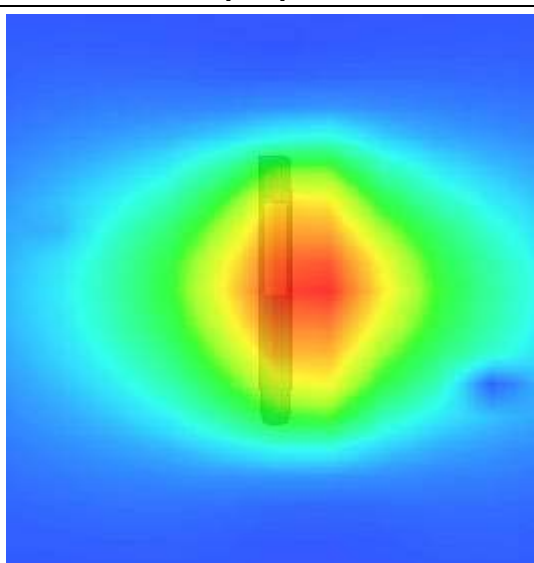
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	12.9615	6.2096	3.8187	2.4504	1.5036	1.0219



3D scene shot



Hot spot position



**System Performance Check Data(2600MHz Head)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

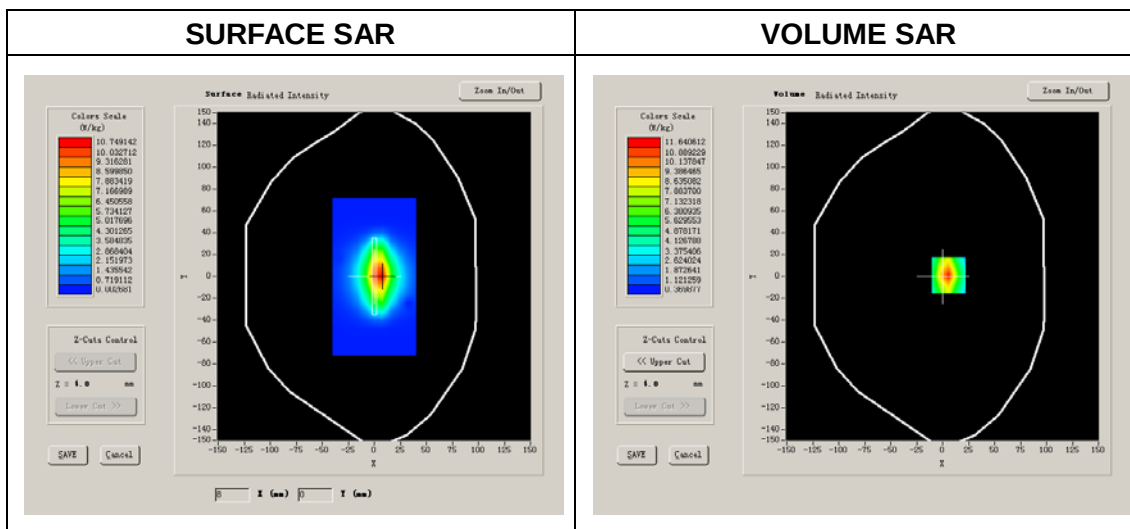
Measurement duration: 13 minutes 31 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	2600MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

Frequency (MHz)	2600.000000
Relative permittivity (real part)	39.024564
Conductivity (S/m)	1.975236
Power Drift (%)	1.080000
Ambient Temperature:	22.0°C
Liquid Temperature:	21.8°C
ConvF:	4.74
Crest factor:	1:1

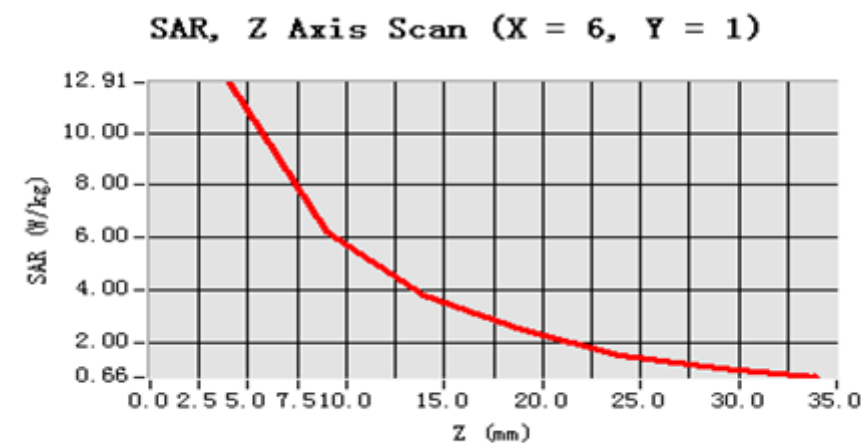


Maximum location: X=6.00, Y=1.00

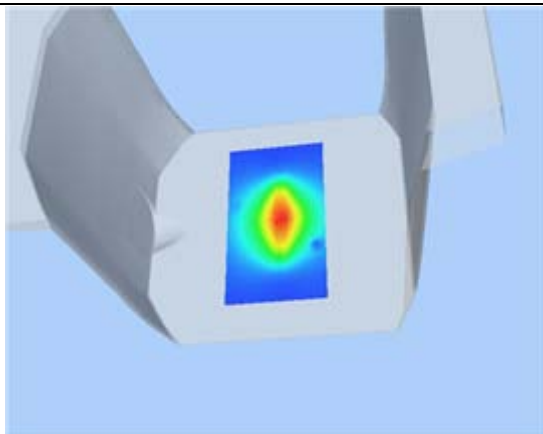
SAR 10g (W/Kg)	2.498154
SAR 1g (W/Kg)	5.681472

Z Axis Scan

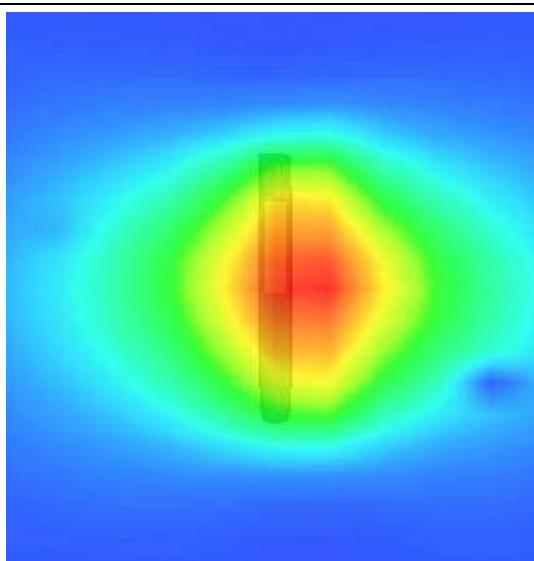
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	12.9745	6.2193	3.8245	2.4624	1.5033	1.0220



3D scene shot



Hot spot position



**System Performance Check Data(2600MHz Body)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.08.02

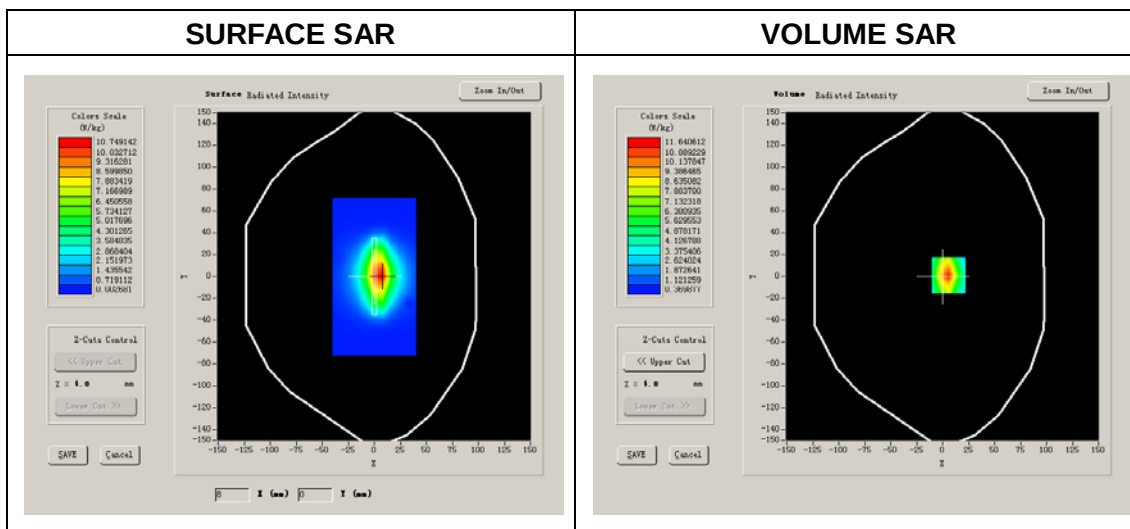
Measurement duration: 13 minutes 31 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	2600MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

Frequency (MHz)	2600.000000
Relative permittivity (real part)	52.362564
Conductivity (S/m)	2.105256
Power Drift (%)	1.380000
Ambient Temperature:	22.0°C
Liquid Temperature:	21.8°C
ConvF:	4.93
Crest factor:	1:1

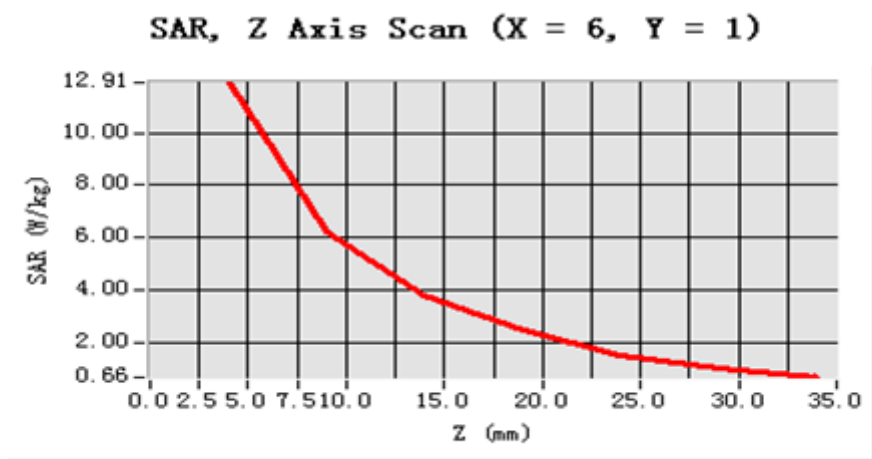


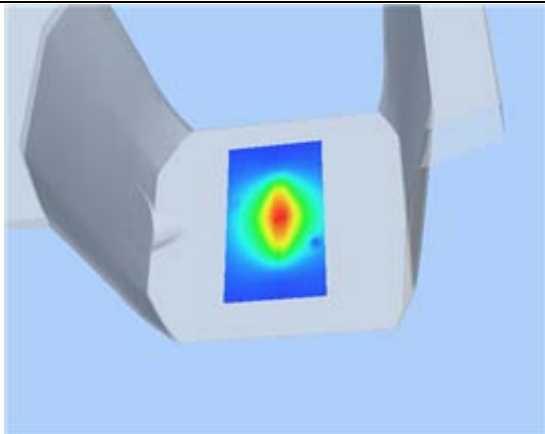
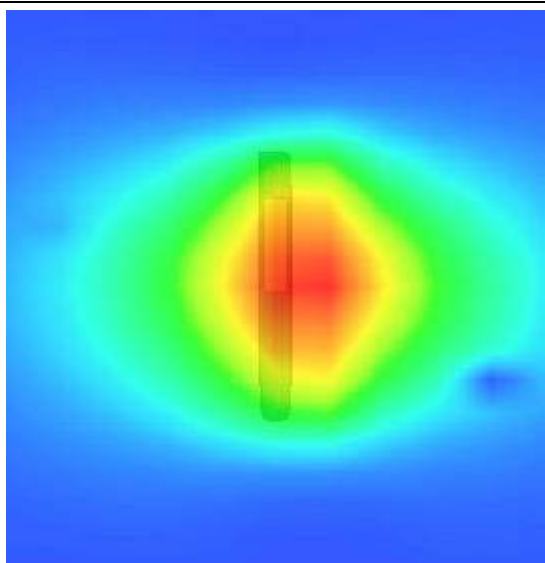
Maximum location: X=6.00, Y=1.00

SAR 10g (W/Kg)	2.569854
SAR 1g (W/Kg)	5.386472

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	12.9745	6.2193	3.8245	2.4624	1.5033	1.0220



3D scene shot	Hot spot position
	

**System Performance Check Data(5200MHz Head)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2017.08.03

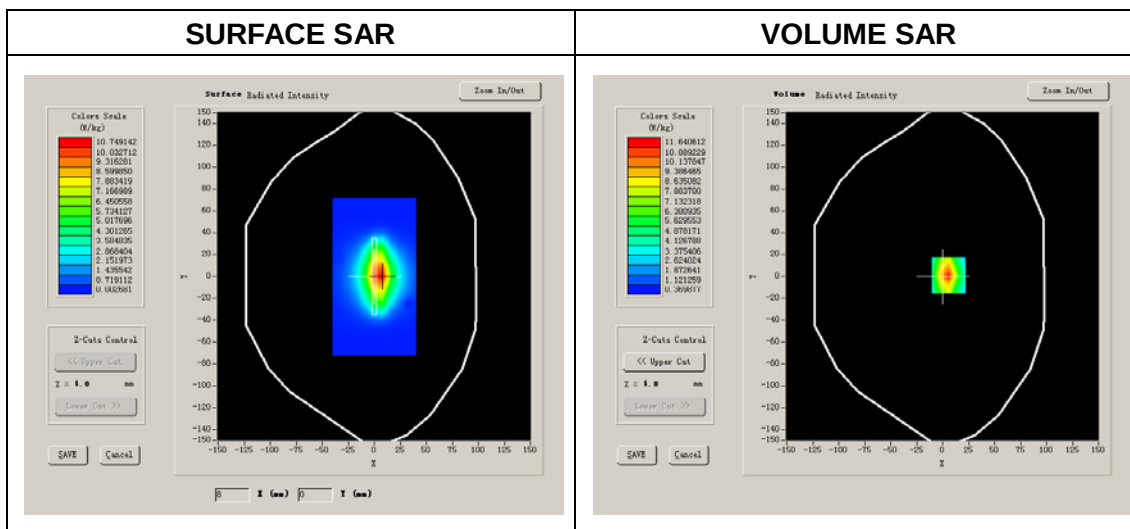
Measurement duration: 13 minutes 27 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Device Position	
Band	5200MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

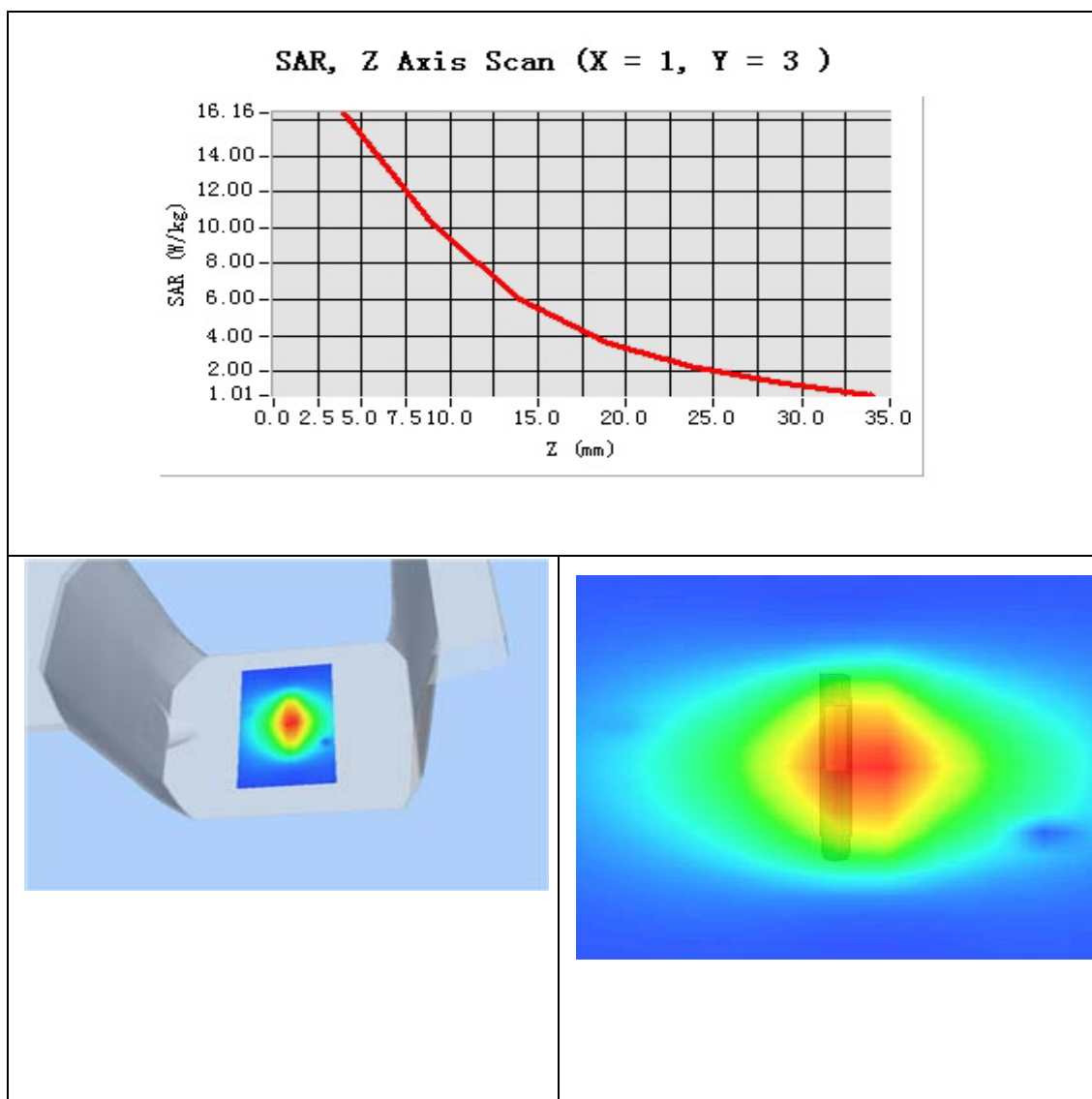
Frequency (MHz)	5200.000000
Relative permittivity (real part)	36.123014
Conductivity (S/m)	4.665260
Power Drift (%)	2.310000
Ambient Temperature:	22.9°C
Liquid Temperature:	22.1°C
ConvF:	21.61
Crest factor:	1:1



Maximum location: X=1.00, Y=3.00

SAR 10g (W/Kg)	8.551263
SAR 1g (W/Kg)	16.398864

Z Axis Scan



**System Performance Check Data(5600MHz Head)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2017.08.03

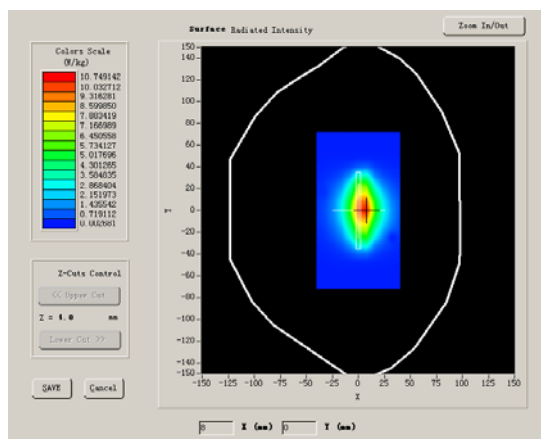
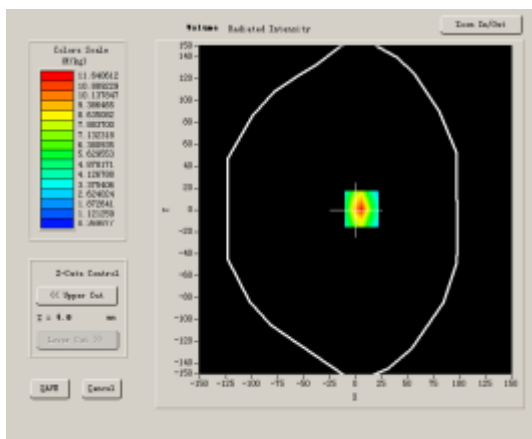
Measurement duration: 13 minutes 27 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Device Position	
Band	5600MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

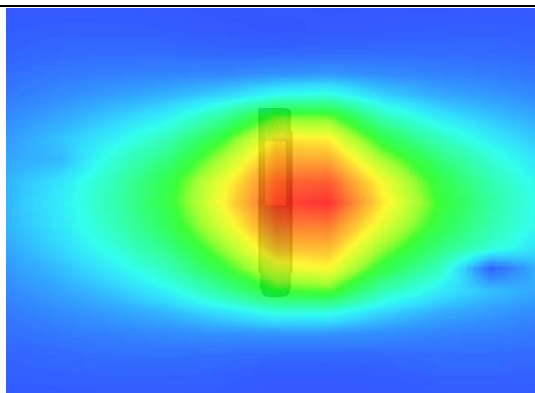
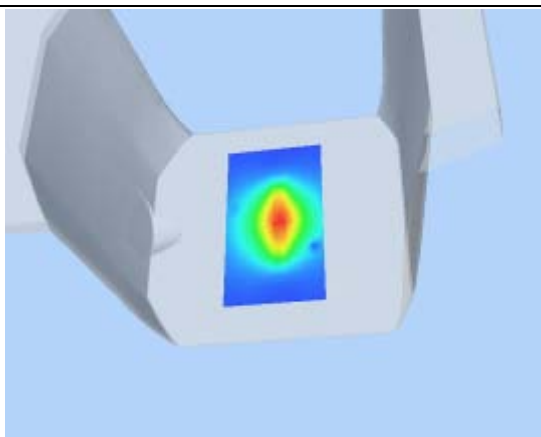
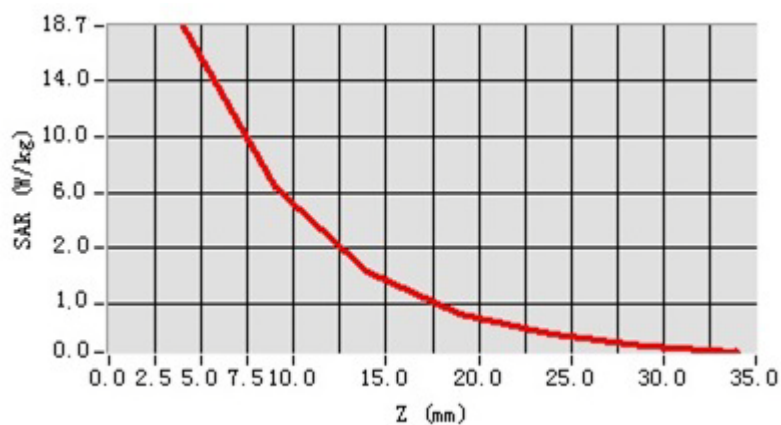
Frequency (MHz)	5600.000000
Relative permittivity (real part)	35.562139
Conductivity (S/m)	5.100255
Power Drift (%)	1.080000
Ambient Temperature:	22.9°C
Liquid Temperature:	22.1°C
ConvF:	22.92
Crest factor:	1:1

SURFACE SAR**VOLUME SAR**

Maximum location: X=-1.00, Y=-5.00

SAR 10g (W/Kg)	10.553669
SAR 1g (W/Kg)	17.144263

Z Axis Scan



**System Performance Check Data(5800MHz Head)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2017.08.03

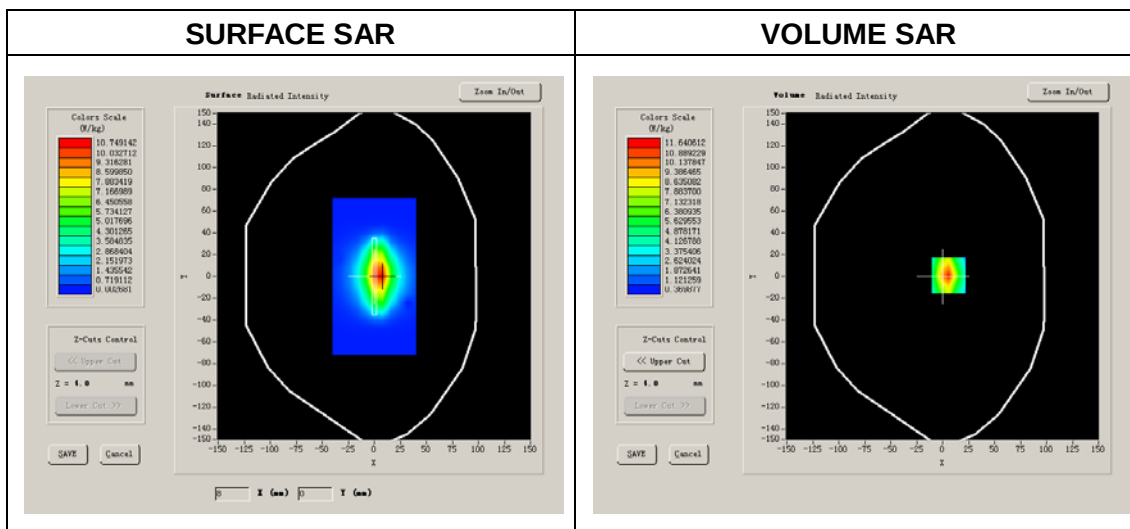
Measurement duration: 13 minutes 27 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Device Position	
Band	5800MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

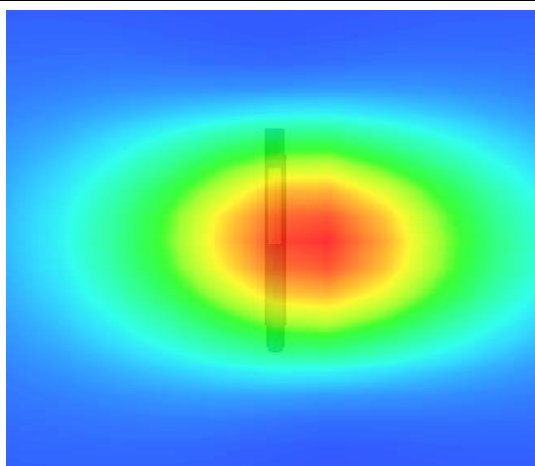
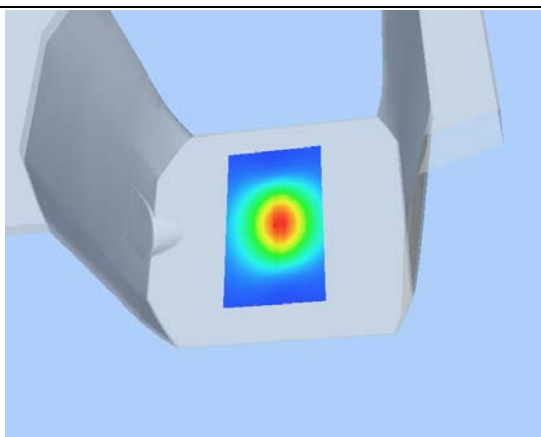
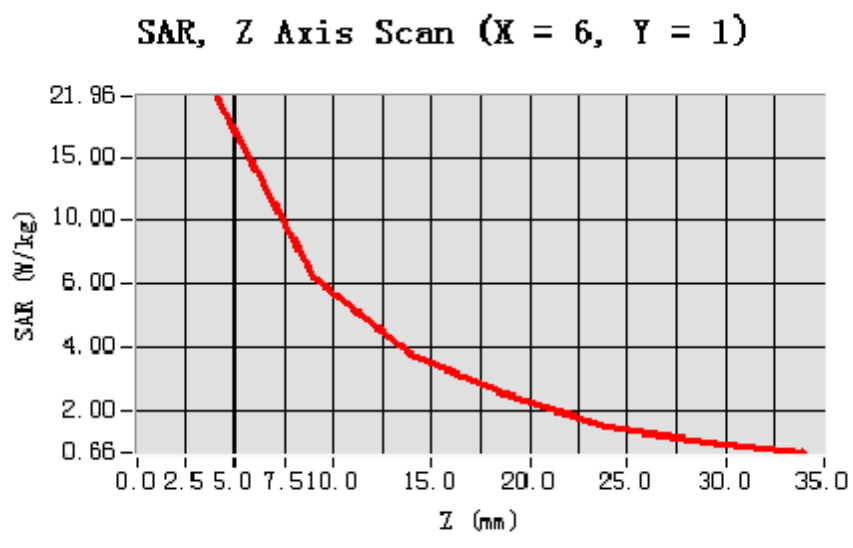
Frequency (MHz)	5800.000000
Relative permittivity (real part)	35.334675
Conductivity (S/m)	5.310226
Power Drift (%)	1.260000
Ambient Temperature:	22.9°C
Liquid Temperature:	22.1°C
ConvF:	22.42
Crest factor:	1:1



Maximum location: X=-6.00, Y=-1.00

SAR 10g (W/Kg)	9.994412
SAR 1g (W/Kg)	17.711256

Z Axis Scan



**System Performance Check Data(5200MHz Body)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2017.08.03

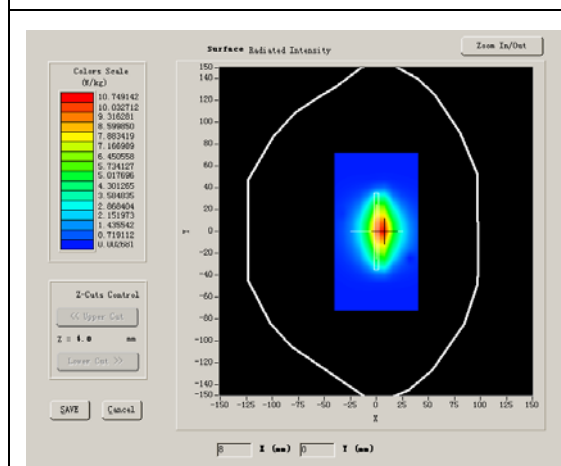
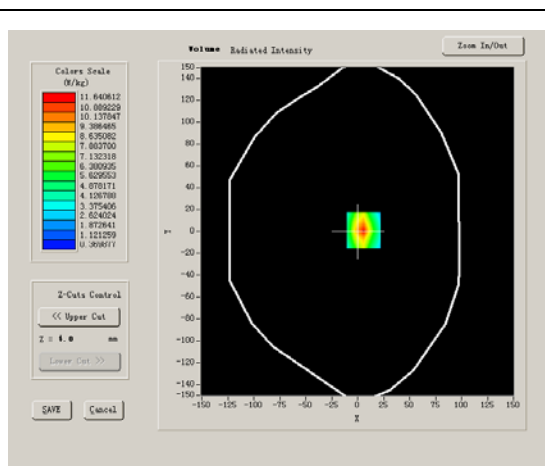
Measurement duration: 13 minutes 27 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Device Position	
Band	5200MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

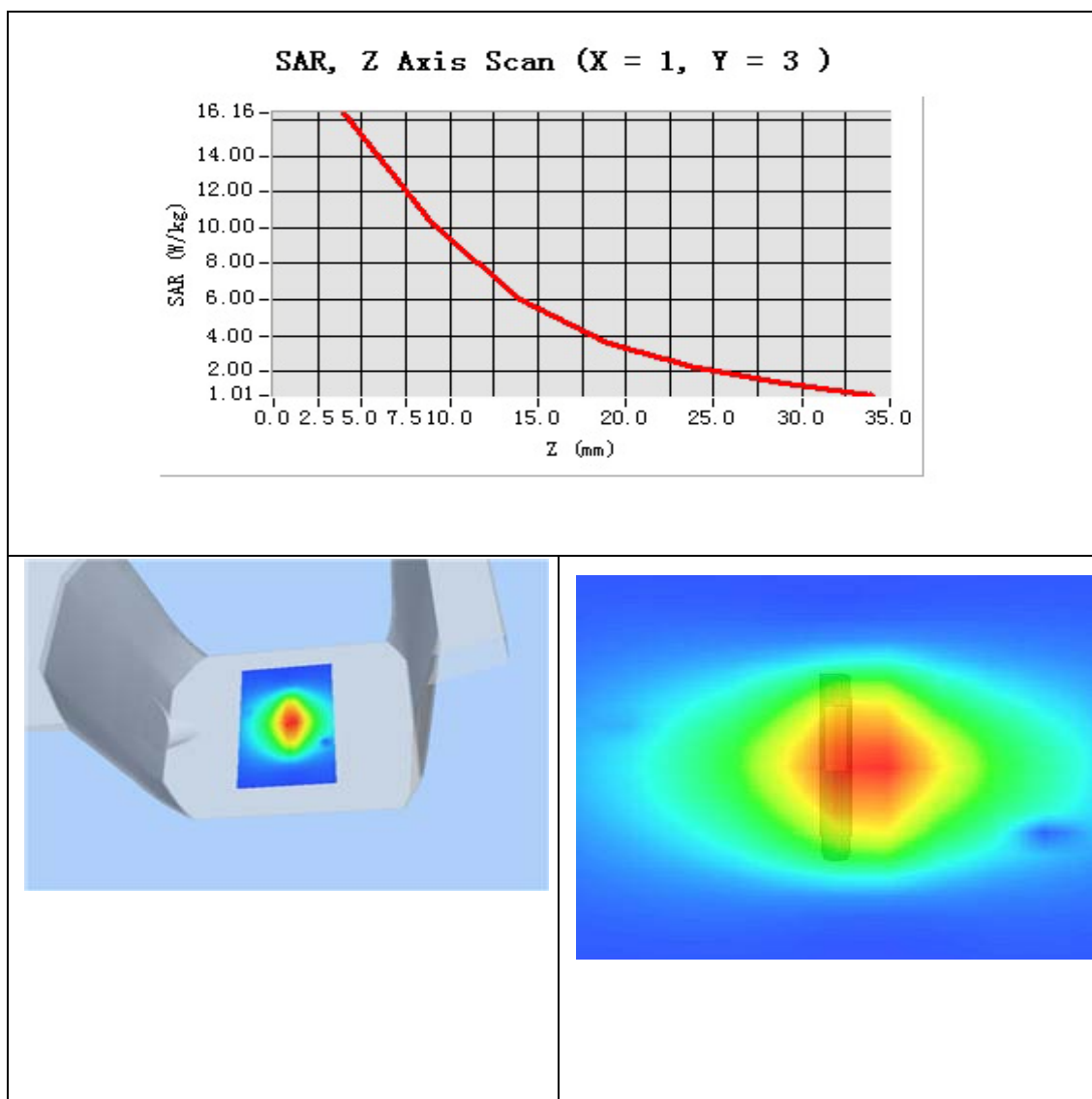
Frequency (MHz)	5200.000000
Relative permittivity (real part)	48.273014
Conductivity (S/m)	5.543260
Power Drift (%)	2.310000
Ambient Temperature:	22.9°C
Liquid Temperature:	22.1°C
ConvF:	22.11
Crest factor:	1:1

SURFACE SAR**VOLUME SAR**

Maximum location: X=1.00, Y=3.00

SAR 10g (W/Kg)	8.024355
SAR 1g (W/Kg)	16.28442

Z Axis Scan



**System Performance Check Data(5600MHz Body)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2017.08.03

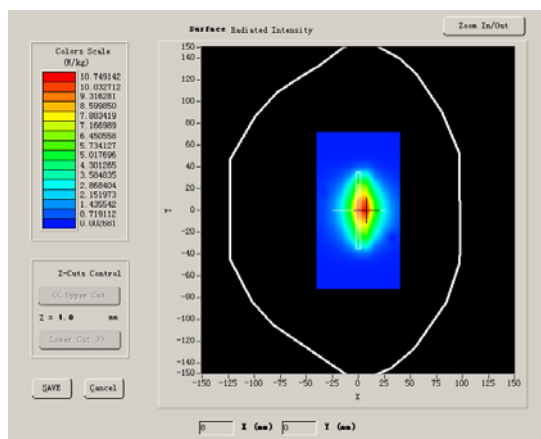
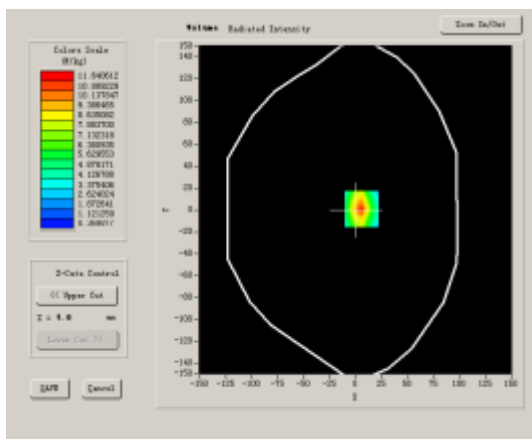
Measurement duration: 13 minutes 27 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Device Position	
Band	5600MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

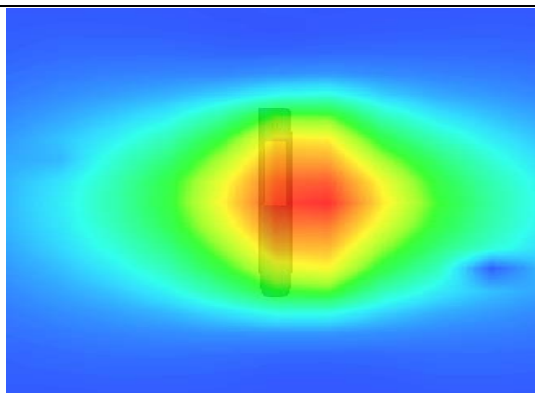
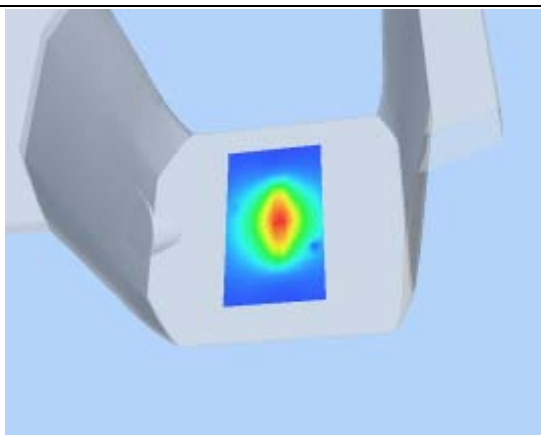
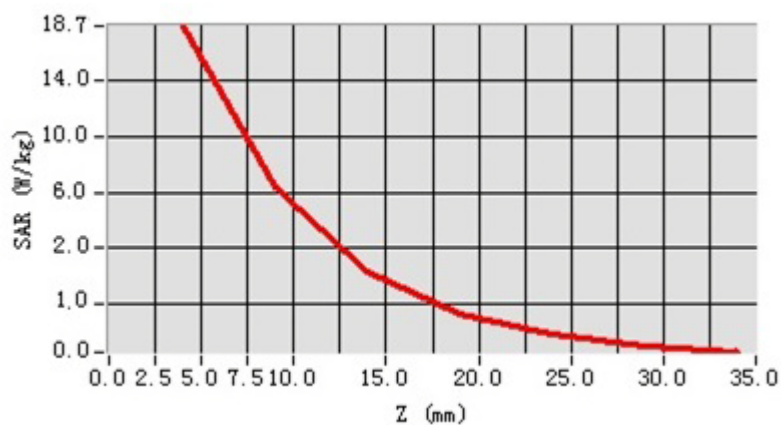
Frequency (MHz)	5600.000000
Relative permittivity (real part)	48.394381
Conductivity (S/m)	5.7432600
Power Drift (%)	1.080000
Ambient Temperature:	22.9°C
Liquid Temperature:	22.1°C
ConvF:	23.69
Crest factor:	1:1

SURFACE SAR**VOLUME SAR**

Maximum location: X=-1.00, Y=-5.00

SAR 10g (W/Kg)	9.406961
SAR 1g (W/Kg)	17.19624

Z Axis Scan



**System Performance Check Data(5800MHz Body)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2017.08.03

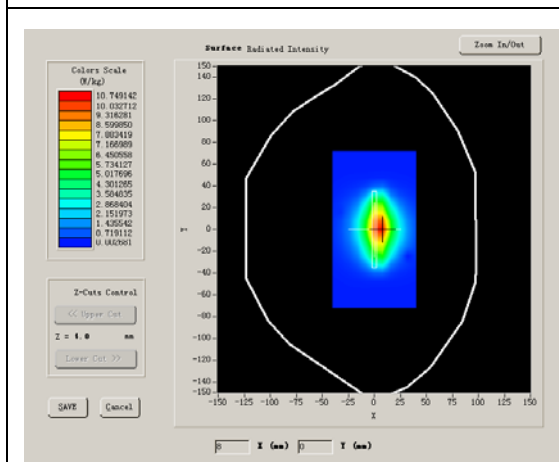
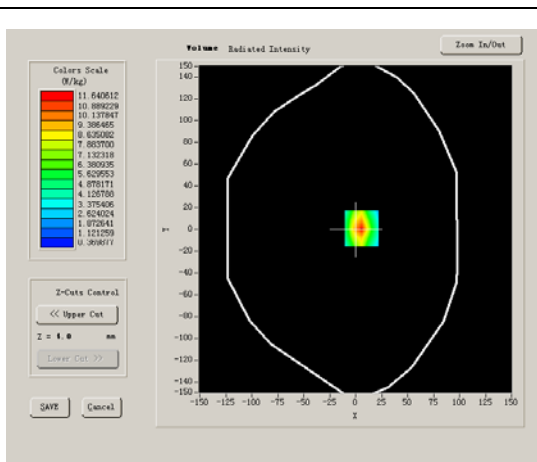
Measurement duration: 13 minutes 27 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Device Position	
Band	5800MHz
Channels	
Signal	CW

B. SAR Measurement Results**Band SAR**

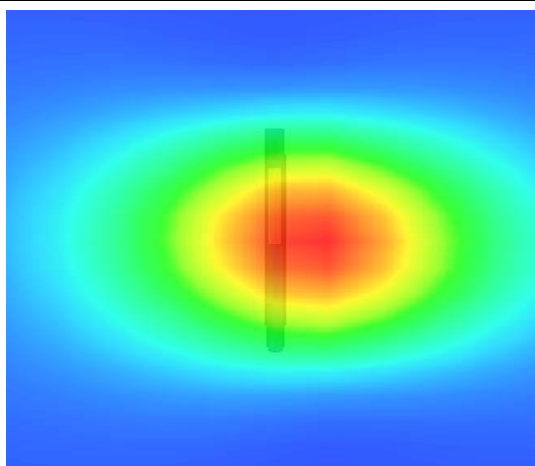
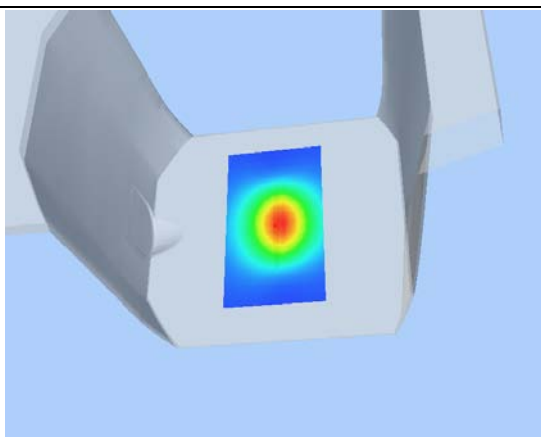
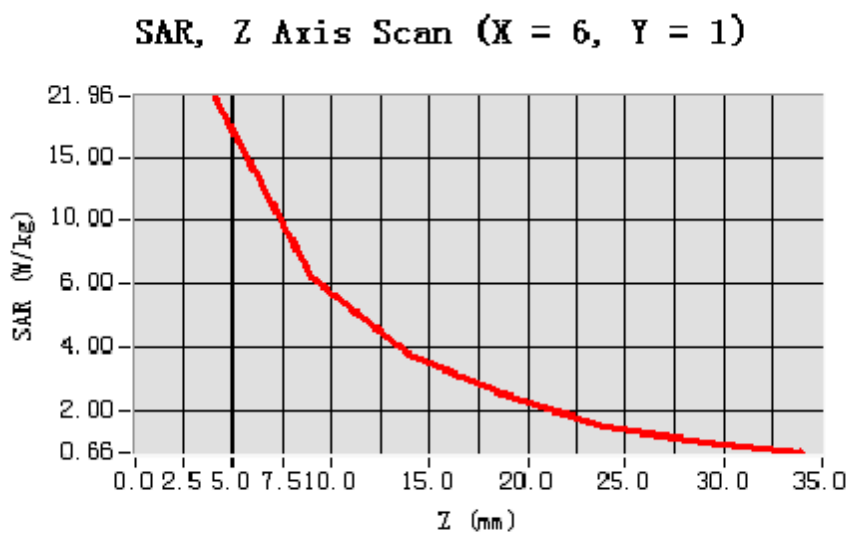
Frequency (MHz)	5800.000000
Relative permittivity (real part)	48.093428
Conductivity (S/m)	5.930716
Power Drift (%)	1.260000
Ambient Temperature:	22.9°C
Liquid Temperature:	22.1°C
ConvF:	23.02
Crest factor:	1:1

SURFACE SAR**VOLUME SAR**

Maximum location: X=-6.00, Y=-1.00

SAR 10g (W/Kg)	9.782634
SAR 1g (W/Kg)	17.695290

Z Axis Scan





REPORT No. : SZ17070185S01

ANNEX D GENERAL INFORMATION

1. Identification of the Responsible Testing Laboratory

Company Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Department:	Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Responsible Test Lab Manager:	Mr. Su Feng
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

**4. List of Test Equipments**

No.	Instrument	Type	Cal. Date	Cal. Due
1	PC	Dell (Pentium IV 2.4GHz, SN:X10-23533)	(n.a)	(n.a)
2	Network Emulator	Aglient (8960, SN:10752)	2017-5-24	1year
3	Network Emulator	Rohde&Schwarz (CMW500,SN:124534)	2017-5-25	1year
4	Network Analyzer	Agilent(E5071B ,SN:MY42404762)	2017-5-25	1year
5	Voltmeter	Keithley (2000, SN:1000572)	2017-7-8	1year
6	Synthesizer	Rohde&Schwarz (SML_03, SN:101868)	2017-8-24	1year
7	Signal Generator	Rohde&Schwarz (SMP_02)	2017-7-8	1year
8	Power Amplifier	PRANA (Ap32 SV125AZ)	2017-7-8	1year
9	Power Meter	Agilent (E4416A, SN:MY45102093)	2017-7-8	1year
10	Power Sensor	Agilent (N8482A, SN:MY41091706)	2017-7-8	1year
11	Power Meter	Rohde&Schwarz (NRVD, SN:101066)	2017-7-8	1year
12	Power Sensor	MA2411B	2017-7-8	1year
13	Directional coupler	Giga-tronics(SN:1829112)	2017-7-24	1year
14	Probe	Satimo (SN:SN 37/08 EP80)	2017-7-5	1year
15	Probe	Satimo (SN:SN 37/13 EPG193)	2017-7-5	1year
16	Dielectric Probe Kit	Agilent (85033E)	2017-7-5	1year
17	Phantom	Satimo (SN:SN_36_08_SAM62)	N/A	N/A
18	Liquid	Satimo(Last Calibration: 2017-08-01 to 2017-08-03)	N/A	N/A
19	Dipole 835MHz	Satimo (SN 20/08 DIP99)	2017-7-5	1year
20	Dipole 1800MHz	Satimo (SN 36/08 DIPF101)	2017-7-5	1year
21	Dipole 2000MHz	Satimo (SN 20/08 DIP102)	2017-7-5	1year
22	Dipole 2450MHz	Satimo (SN 30/13 DIP2G450-263)	2017-7-5	1year
23	Dipole 2600MHz	Satimo (SN 30/13 DIP2G600-265)	2017-7-5	1year
24	Dipole 5-6GHz	Satimo (SN 41/12 WGA21)	2017-7-5	1year
25	Thermo meter	KTJ(mode-01)	2017-5-10	1year

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