Appendix A: SAR System performance Check Plots

Measurement	Liquid	Frequency	Test Date
System Check	Head	750	2019-07-03
System Check	Body	750	2019-07-03
System Check	Head	835	2019-07-04
System Check	Body	835	2019-07-04
System Check	Head	1800	2019-07-05
System Check	Body	1800	2019-07-05
System Check	Head	1900	2019-07-08
System Check	Body	1900	2019-07-08
System Check	Head	2450	2019-07-09
System Check	Body	2450	2019-07-09
System Check	Head	2600	2019-07-10
System Check	Body	2600	2019-07-10
System Check	Head	5200	2019-07-11
System Check	Body	5200	2019-07-11
System Check	Head	5400	2019-07-12
System Check	Body	5400	2019-07-12
System Check	Head	5600	2019-07-15
System Check	Body	5600	2019-07-15
System Check	Head	5800	2019-07-16
System Check	Body	5800	2019-07-16
System Check	Head	835	2019-10-08
System Check	Body	835	2019-10-08

System Performance Check (Head, 750MHz)

Type: Phone measurement

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

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

Date of measurement: 07/03/2019

Measurement duration: 22 minutes 02 seconds

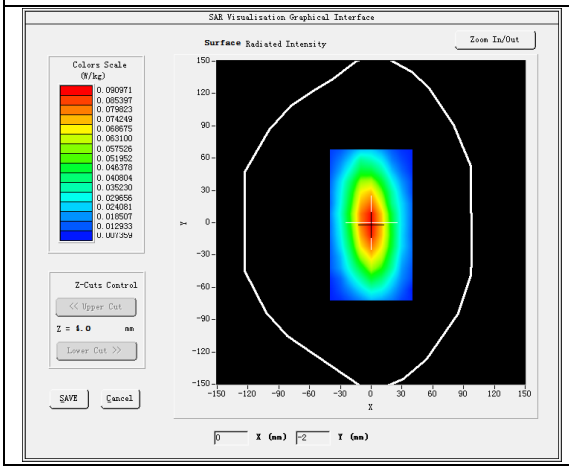
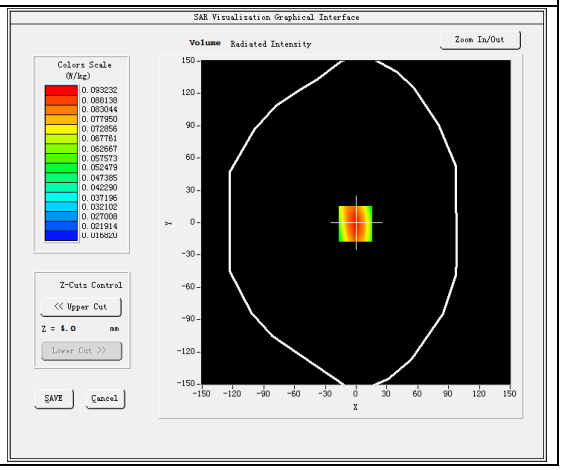
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	750MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	750
Relative permittivity (real part)	41.66
Relative permittivity	21.84
Conductivity (S/m)	0.91
Power drift (%)	-1.76
Ambient Temperature:	22.2°C
Liquid Temperature:	22.6°C
ConvF:	1.87
Crest factor:	1:1

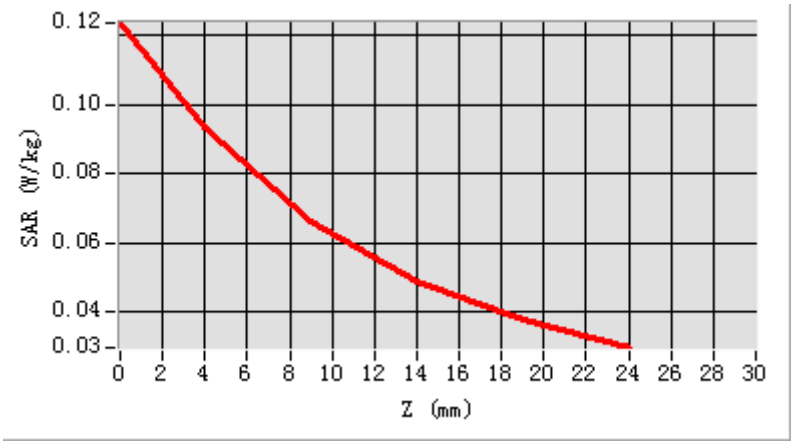
SURFACE SAR	**VOLUME SAR**
	

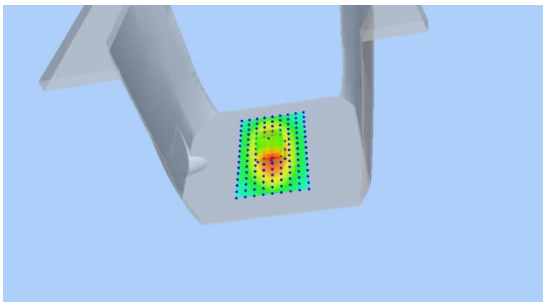
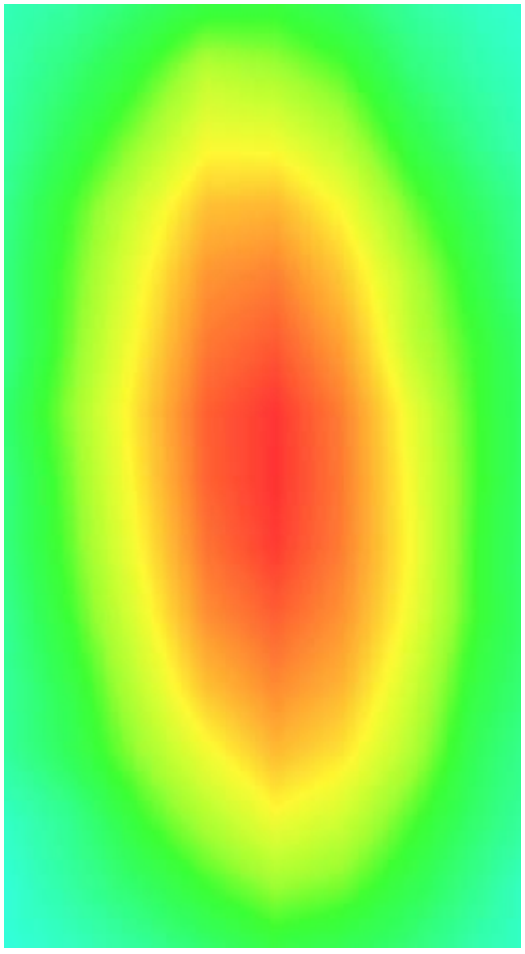
Maximum location: X=-1.00, Y=-1.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.061567
SAR 1g (W/Kg)	0.089577

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1237	0.0932	0.0662	0.0487	0.0376



3D screen shot	Hot spot position
	

System Performance Check (Body, 750MHz)

Type: Phone measurement

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

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

Date of measurement: 07/03/2019

Measurement duration: 22 minutes 05 seconds

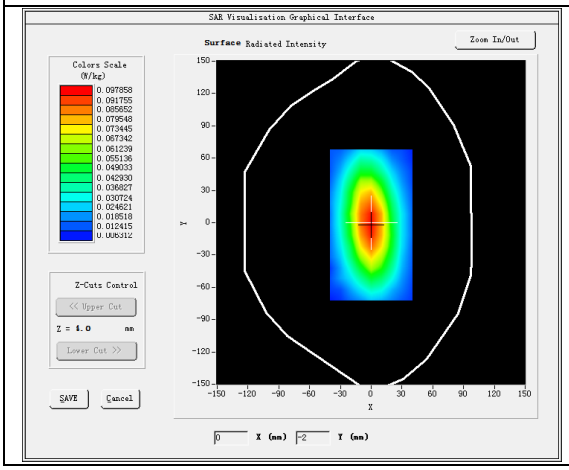
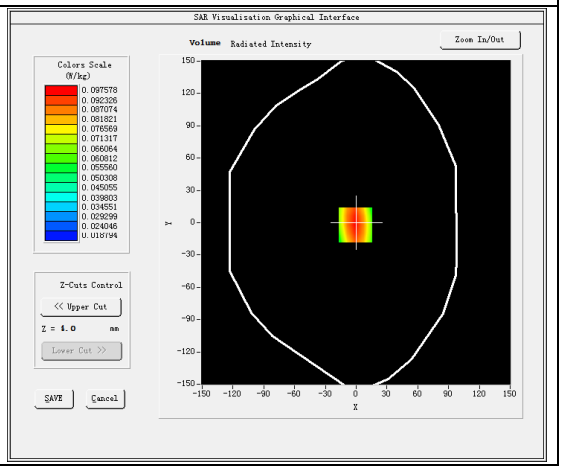
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	750MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	750
Relative permittivity (real part)	52.68
Relative permittivity	22.80
Conductivity (S/m)	0.95
Power drift (%)	-2.02
Ambient Temperature:	22.2°C
Liquid Temperature:	22.6°C
ConvF:	1.93
Crest factor:	1:1

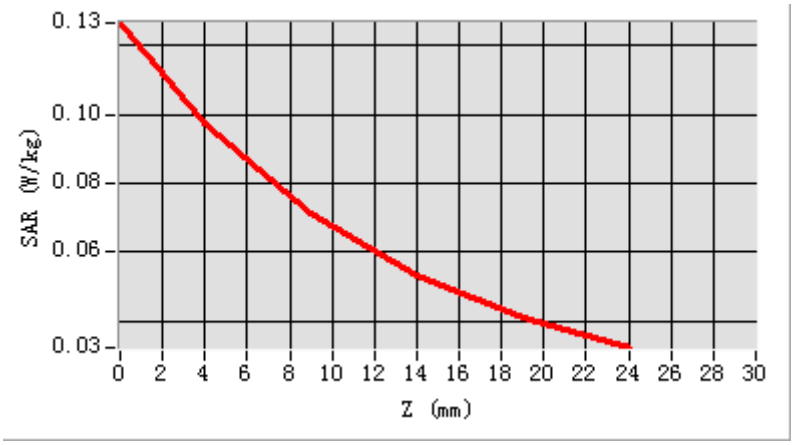
SURFACE SAR	**VOLUME SAR**
	

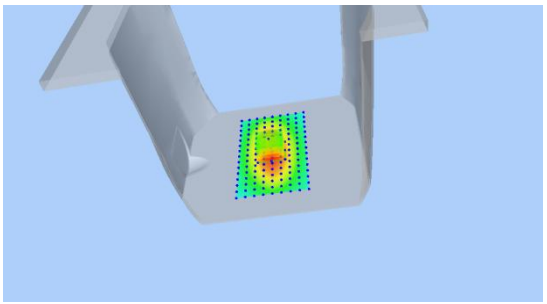
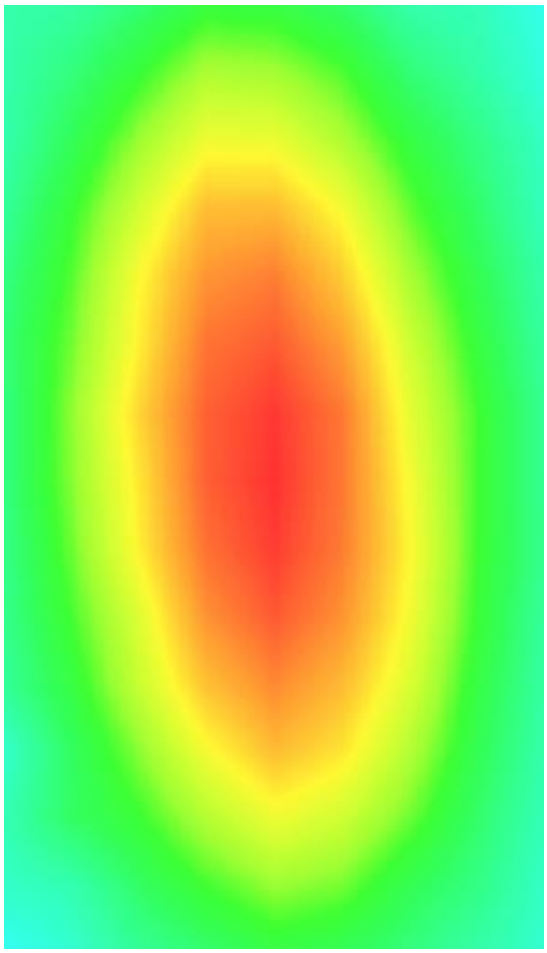
Maximum location: X=-1.00, Y=-2.00

SAR Peak: 0.13 W/kg

SAR 10g (W/Kg)	0.065536
SAR 1g (W/Kg)	0.093573

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1266	0.0976	0.0711	0.0533	0.0413



3D screen shot	Hot spot position
	

System Performance Check (Head, 835MHz)

Type: Phone measurement

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

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

Date of measurement: 07/04/2019

Measurement duration: 22 minutes 06 seconds

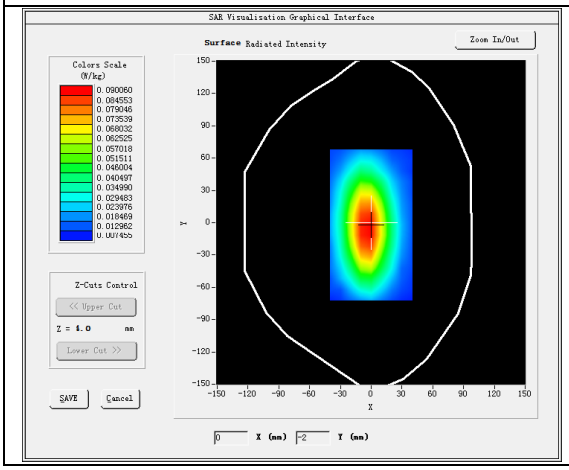
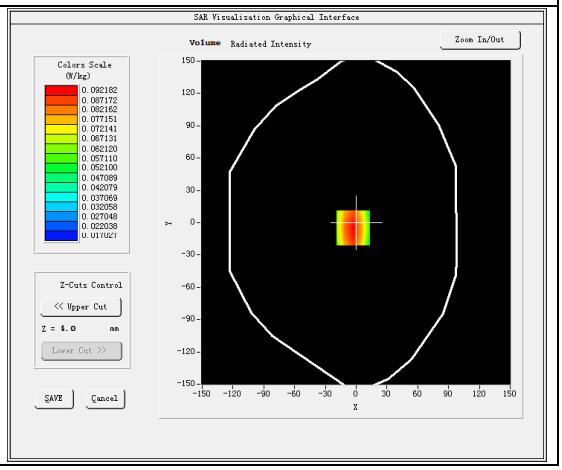
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	835MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	835
Relative permittivity (real part)	41.42
Relative permittivity	19.40
Conductivity (S/m)	0.90
Power drift (%)	-1.15
Ambient Temperature:	22.2°C
Liquid Temperature:	22.6°C
ConvF:	1.92
Crest factor:	1:1

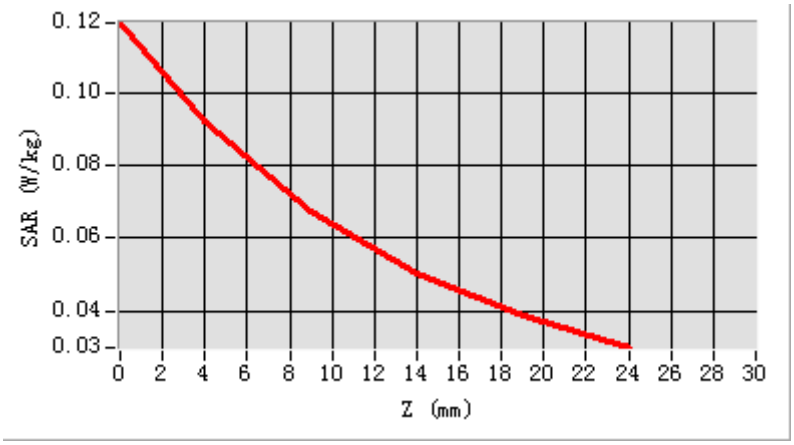
SURFACE SAR	**VOLUME SAR**
	

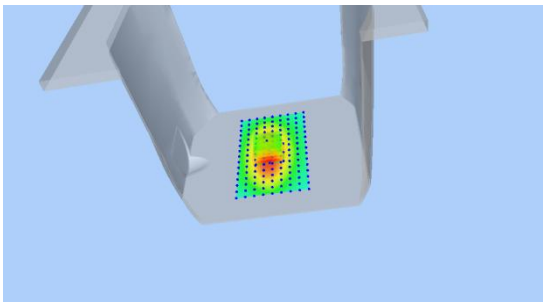
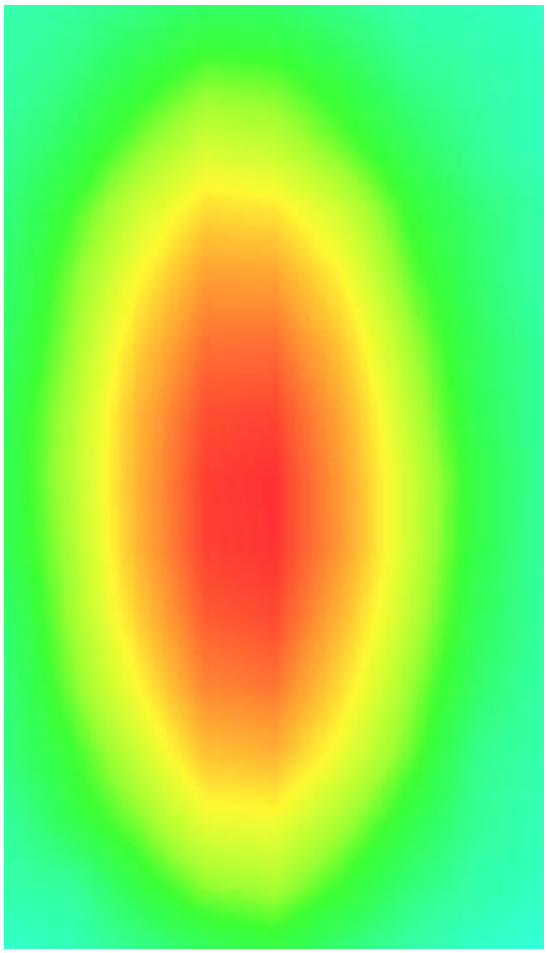
Maximum location: X=-3.00, Y=-5.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.062361
SAR 1g (W/Kg)	0.089620

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1190	0.0922	0.0674	0.0504	0.0388



3D screen shot	Hot spot position
	

System Performance Check (Body, 835MHz)

Type: Phone measurement

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

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

Date of measurement: 07/04/2019

Measurement duration: 22 minutes 04 seconds

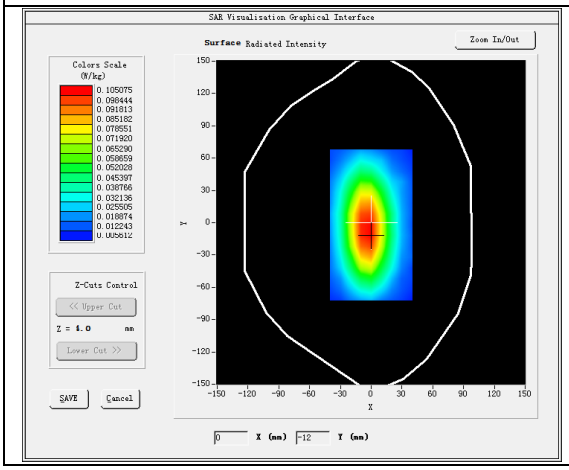
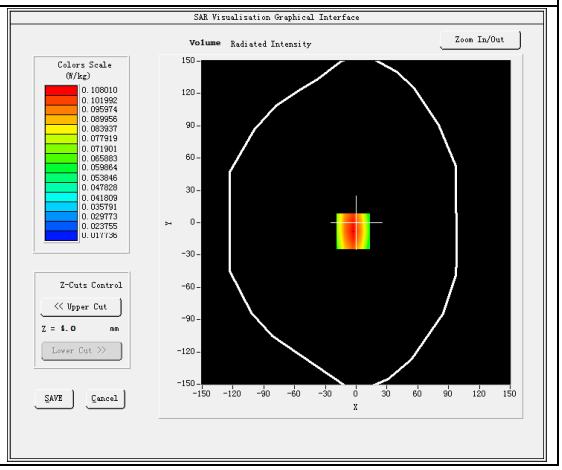
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	835MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	835
Relative permittivity (real part)	55.11
Relative permittivity	20.91
Conductivity (S/m)	0.97
Power drift (%)	-1.60
Ambient Temperature:	22.2°C
Liquid Temperature:	22.6°C
ConvF:	1.99
Crest factor:	1:1

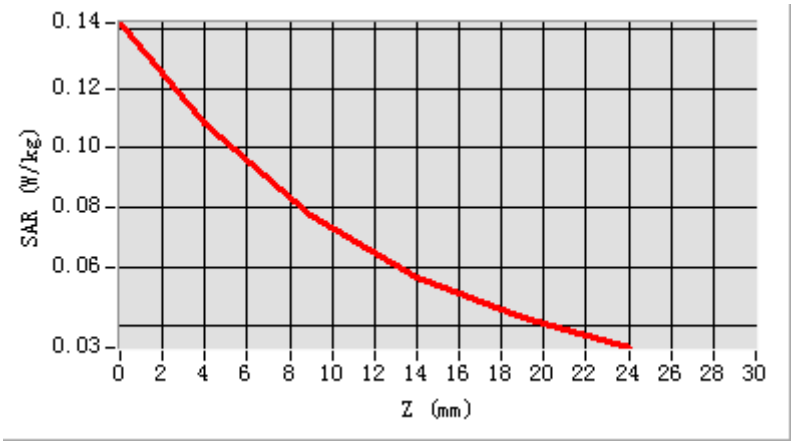
SURFACE SAR	**VOLUME SAR**
	

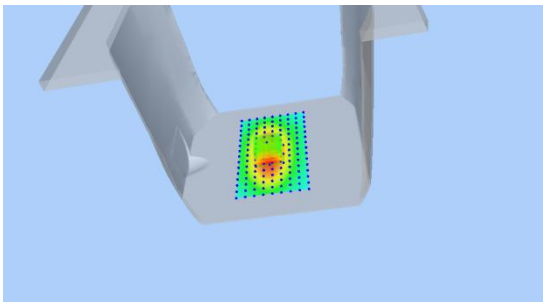
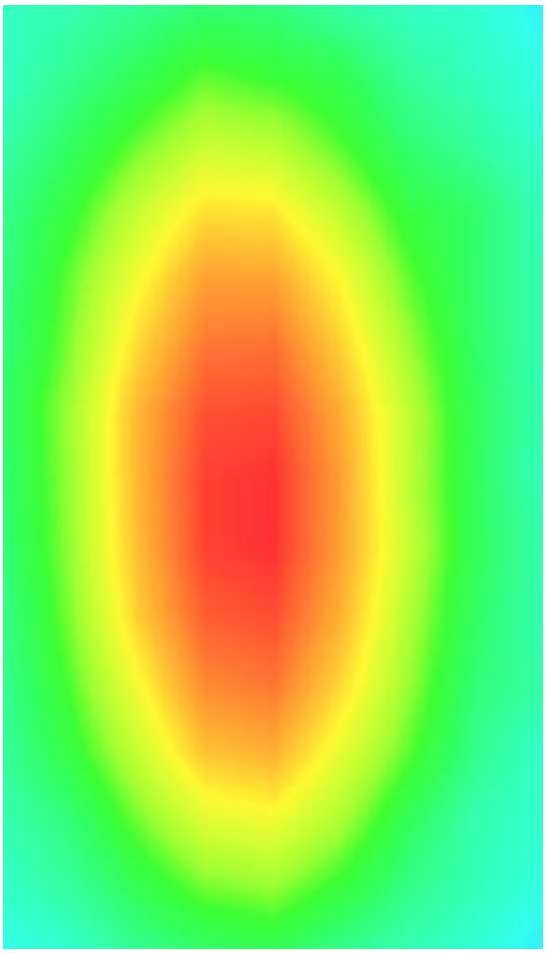
Maximum location: X=-3.00, Y=-8.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.071707
SAR 1g (W/Kg)	0.105107

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1419	0.1080	0.0773	0.0566	0.0429



3D screen shot	Hot spot position
	

System Performance Check (Head, 1800MHz)

Type: Validation measurement

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

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

Date of measurement: 07/05/2019

Measurement duration: 22 minutes 07 seconds

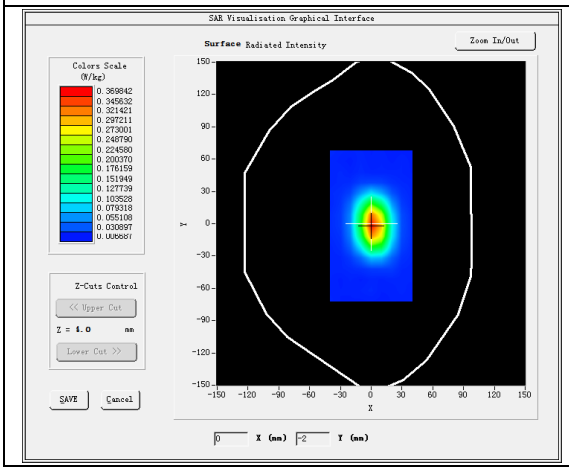
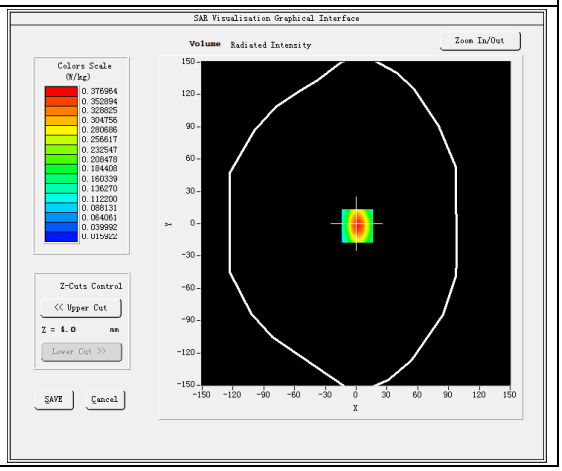
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	1800MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1800
Relative permittivity (real part)	40.58
Relative permittivity	14.00
Conductivity (S/m)	1.40
Power Drift (%)	-1.35
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	2.14
Duty factor:	1:1

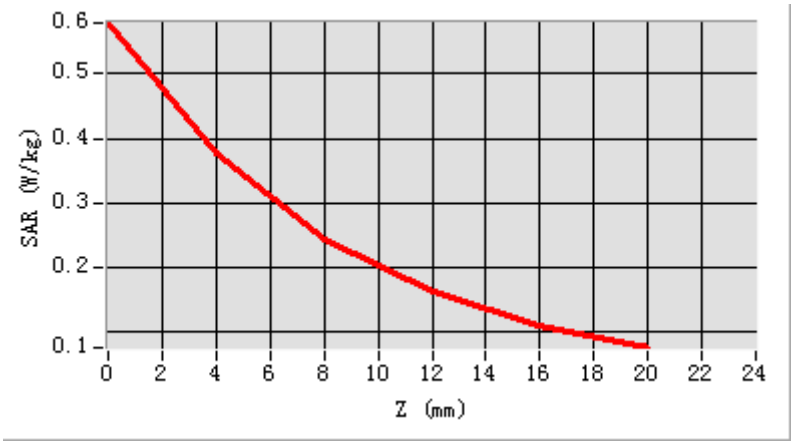
SURFACE SAR	**VOLUME SAR**
	

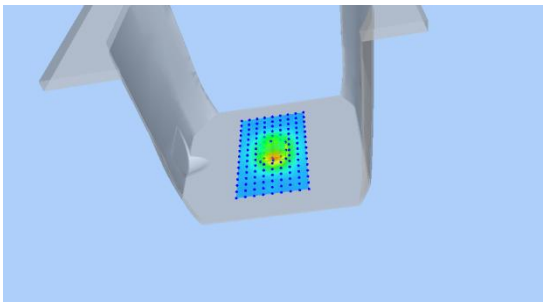
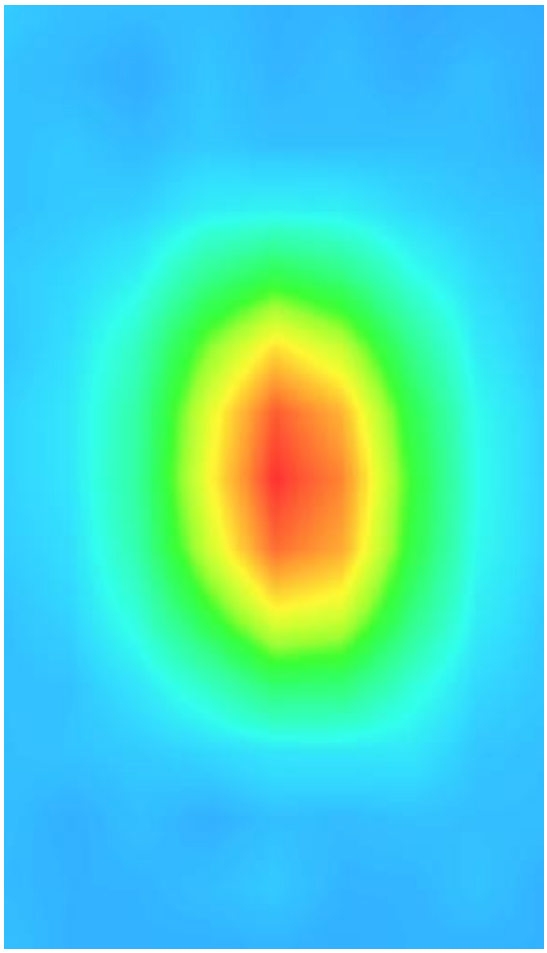
Maximum location: X=1.00, Y=-2.00

SAR Peak: 0.58 W/kg

SAR 10g (W/Kg)	0.188775
SAR 1g (W/Kg)	0.350250

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.5791	0.3770	0.2439	0.1608	0.1098



3D screen shot	Hot spot position
	

System Performance Check (Body, 1800MHz)

Type: Validation measurement

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

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

Date of measurement: 07/05/2019

Measurement duration: 22 minutes 09 seconds

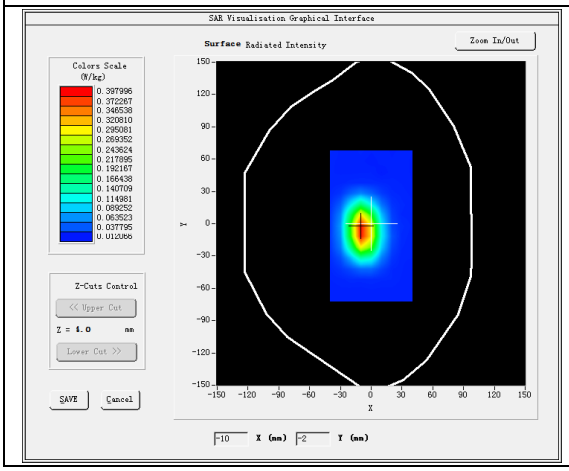
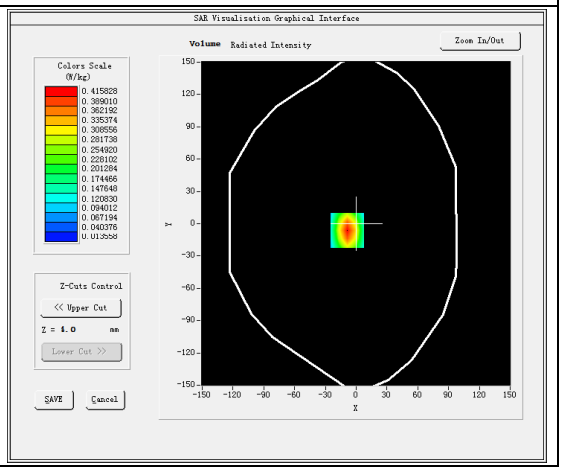
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	1800MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1800
Relative permittivity (real part)	53.42
Relative permittivity	15.10
Conductivity (S/m)	1.51
Power Drift (%)	-0.57
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	2.22
Duty factor:	1:1

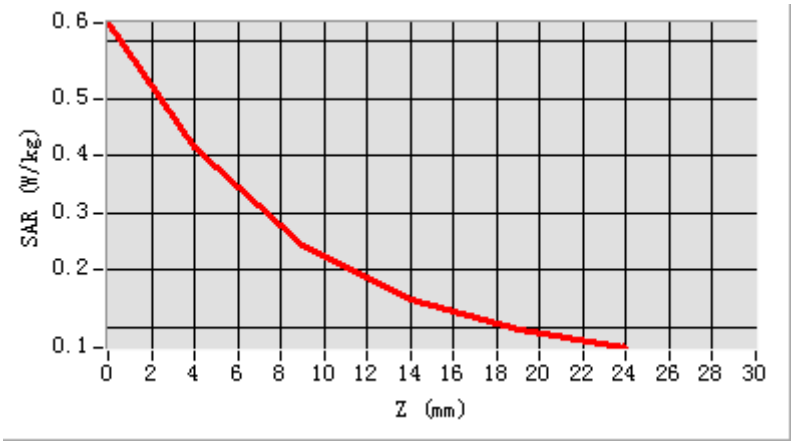
SURFACE SAR	**VOLUME SAR**
	

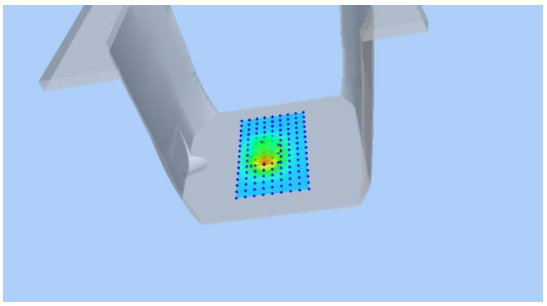
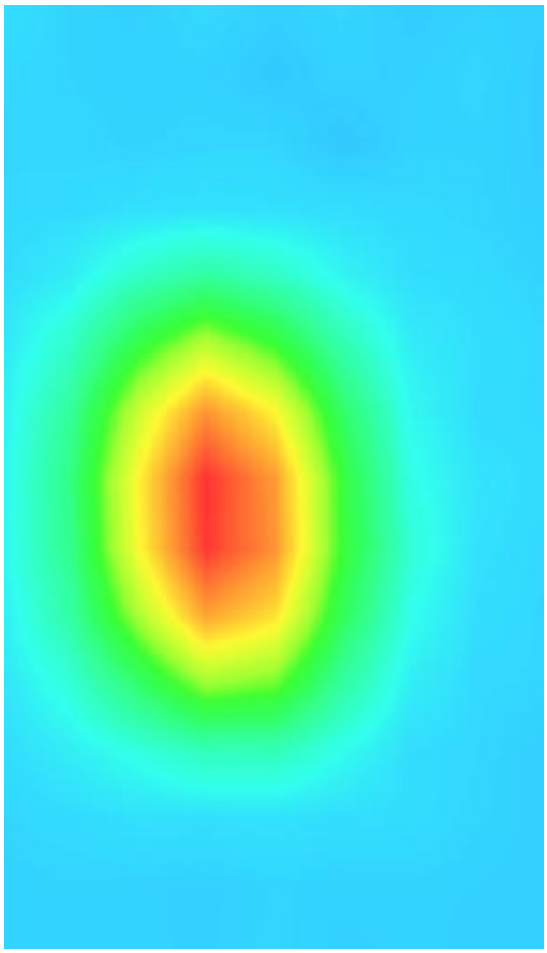
Maximum location: X=-9.00, Y=-6.00

SAR Peak: 0.63 W/kg

SAR 10g (W/Kg)	0.208548
SAR 1g (W/Kg)	0.383642

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6329	0.4158	0.2437	0.1476	0.0964



3D screen shot	Hot spot position
	

System Performance Check (Head, 1900MHz)

Type: Validation measurement

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

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

Date of measurement: 07/08/2019

Measurement duration: 22 minutes 10 seconds

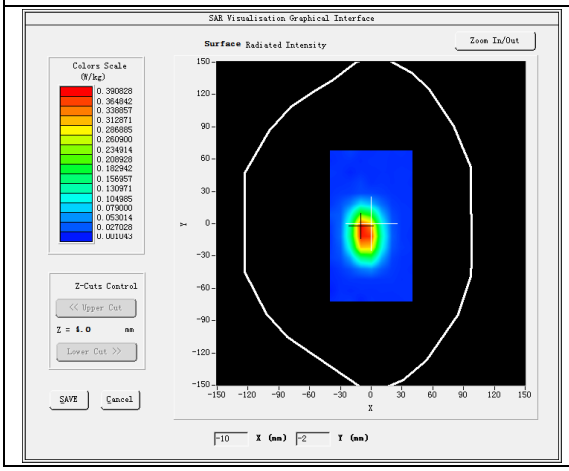
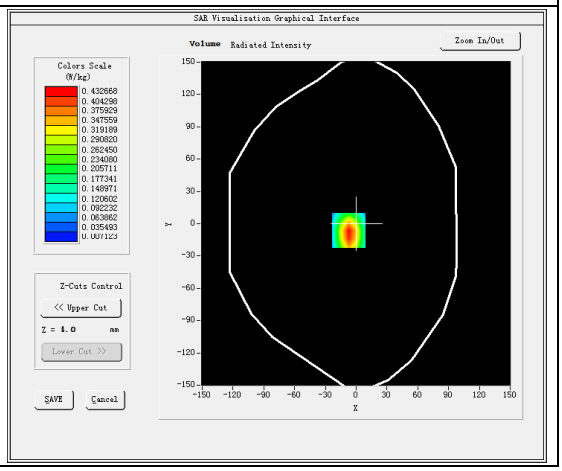
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	1900MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1900
Relative permittivity (real part)	40.31
Relative permittivity	13.36
Conductivity (S/m)	1.41
Power Drift (%)	0.69
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	2.34
Duty factor:	1:1

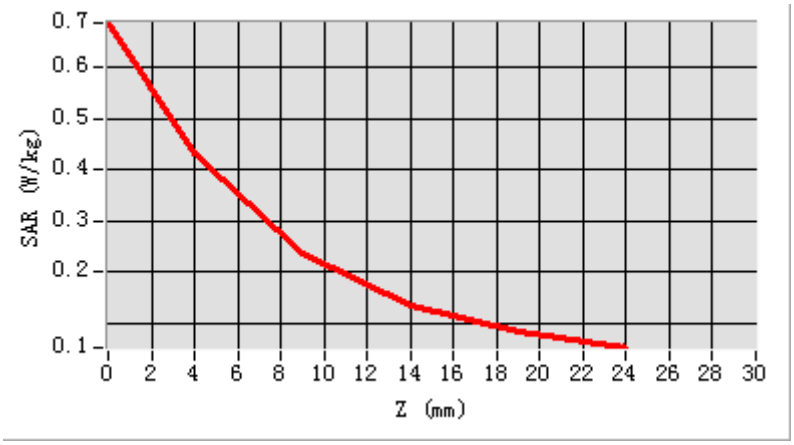
SURFACE SAR	**VOLUME SAR**
	

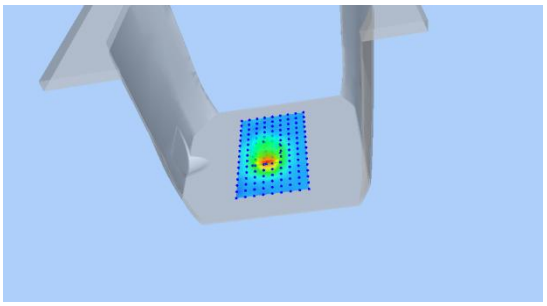
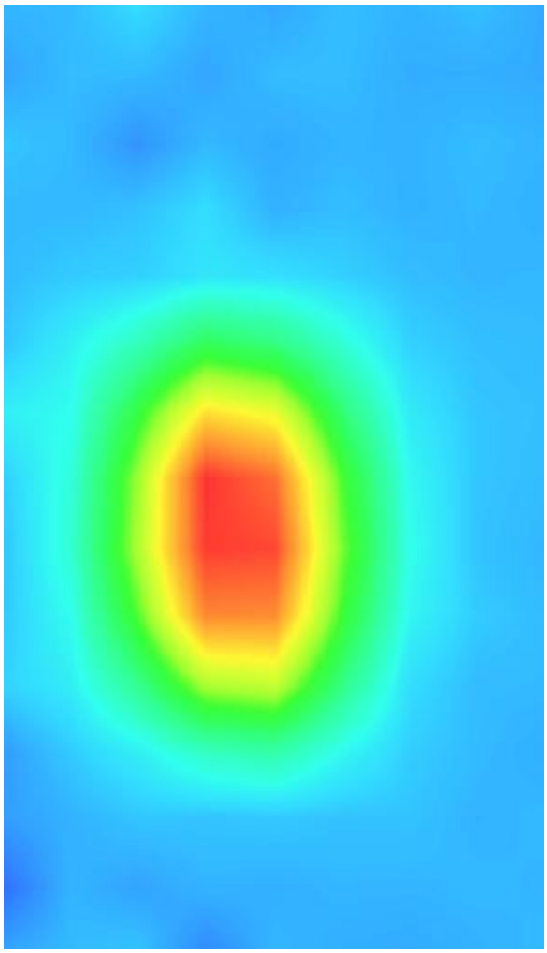
Maximum location: X=-7.00, Y=-6.00

SAR Peak: 0.70 W/kg

SAR 10g (W/Kg)	0.207788
SAR 1g (W/Kg)	0.404117

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6859	0.4327	0.2384	0.1350	0.0831



3D screen shot	Hot spot position
	

System Performance Check (Body, 1900MHz)

Type: Validation measurement

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

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

Date of measurement: 07/08/2019

Measurement duration: 22 minutes 11 seconds

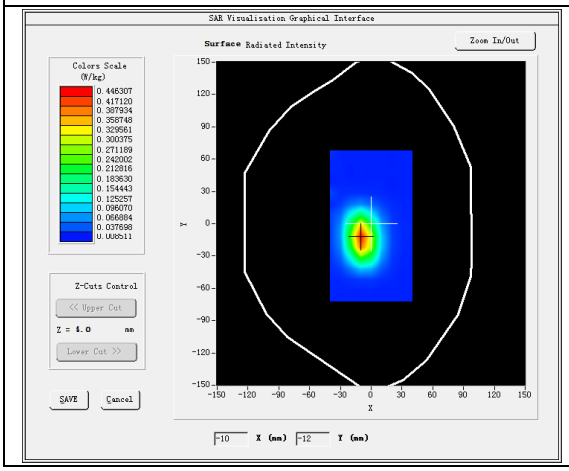
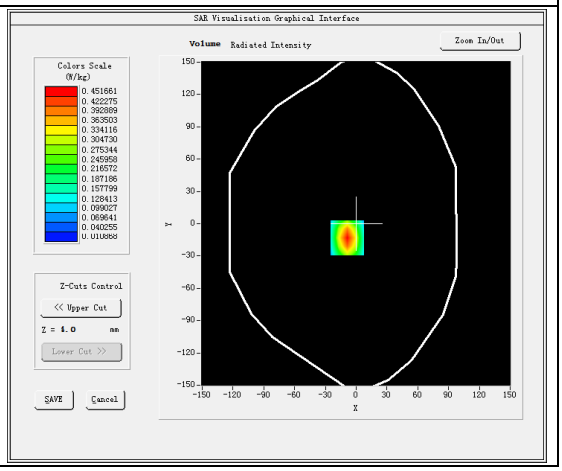
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	1900MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1900
Relative permittivity (real part)	53.20
Relative permittivity	14.49
Conductivity (S/m)	1.53
Power Drift (%)	-1.32
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	2.39
Duty factor:	1:1

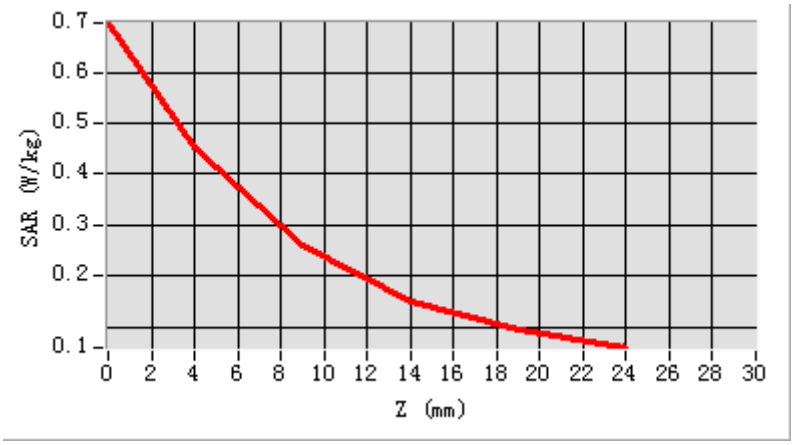
SURFACE SAR	**VOLUME SAR**
	

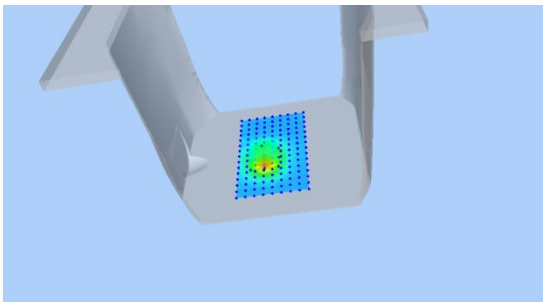
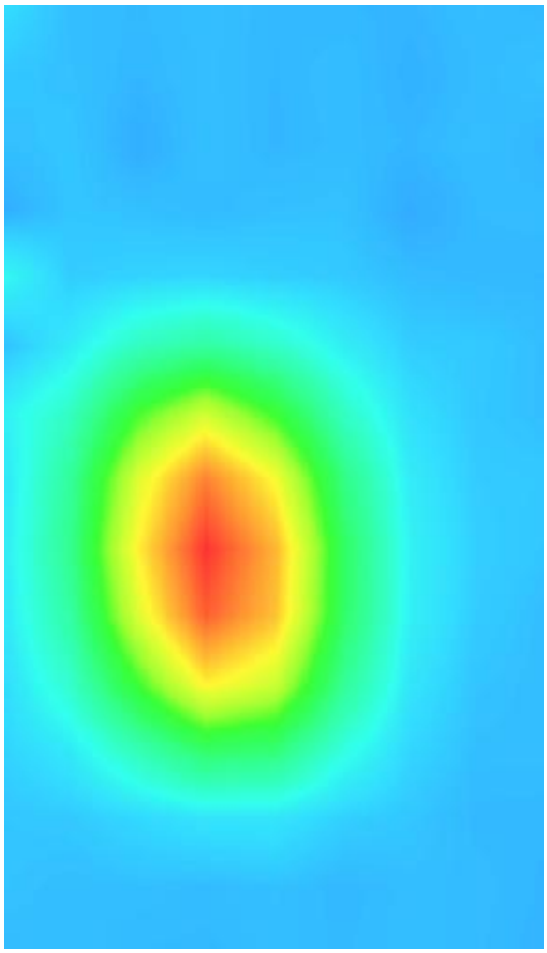
Maximum location: X=-9.00, Y=-13.00

SAR Peak: 0.70 W/kg

SAR 10g (W/Kg)	0.217109
SAR 1g (W/Kg)	0.415965

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6969	0.4517	0.2582	0.1507	0.0935



3D screen shot	Hot spot position
	

System Performance Check (Head, 2450MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 07/09/2019

Measurement duration: 22 minutes 13 seconds

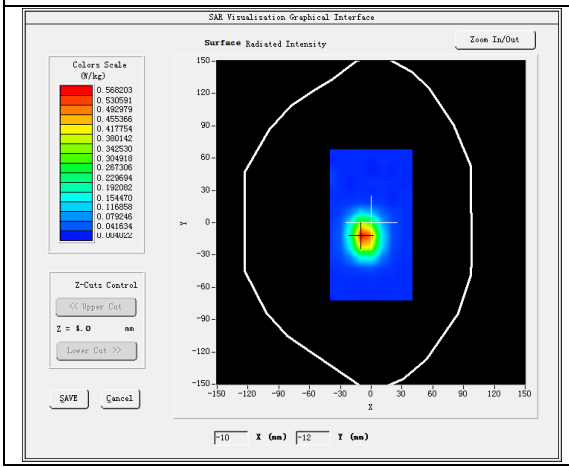
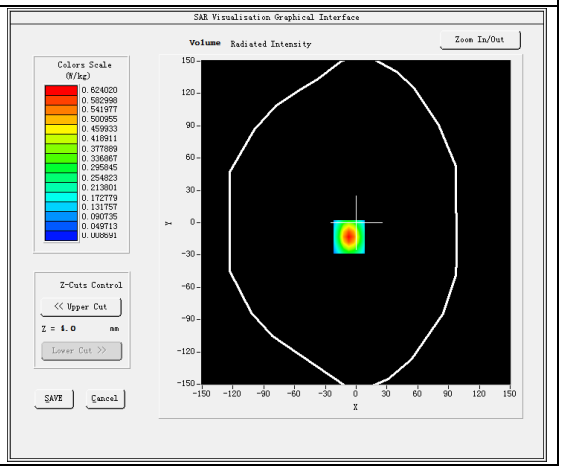
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=5mm dy=5mm dz=4mm
Device Position	Dipole
Band	2450MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2450
Relative permittivity (real part)	39.61
Relative permittivity	13.22
Conductivity (S/m)	1.80
Power Drift (%)	-1.13
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	2.37
Duty factor:	1:1

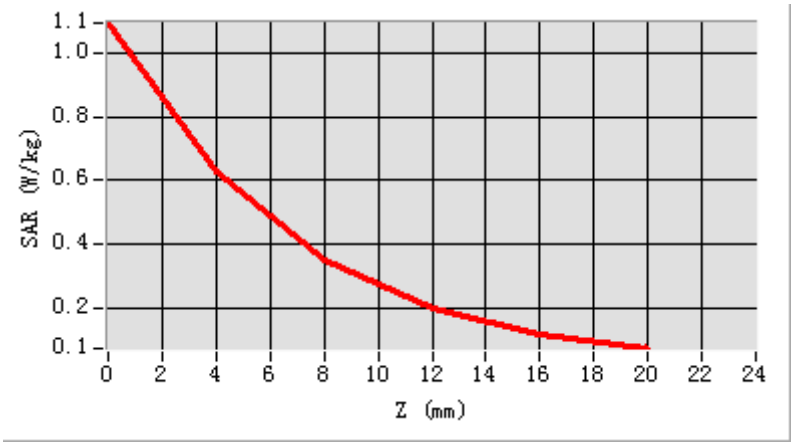
SURFACE SAR	**VOLUME SAR**
	

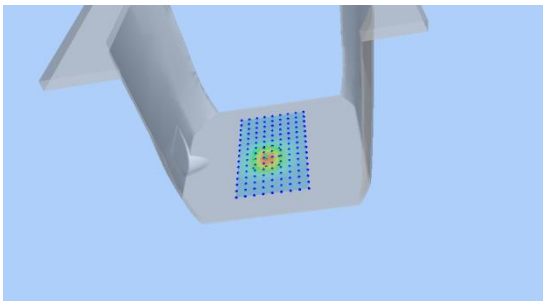
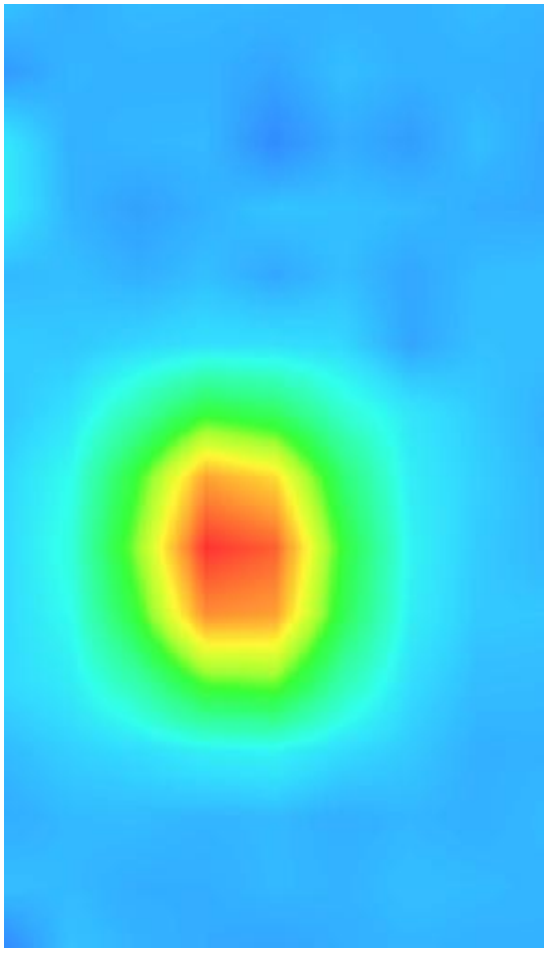
Maximum location: X=-7.00, Y=-13.00

SAR Peak: 1.09 W/kg

SAR 10g (W/Kg)	0.257322
SAR 1g (W/Kg)	0.561261

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.0941	0.6240	0.3464	0.1953	0.1170



3D screen shot	Hot spot position
	

System Performance Check (Body, 2450MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 07/09/2019

Measurement duration: 22 minutes 14 seconds

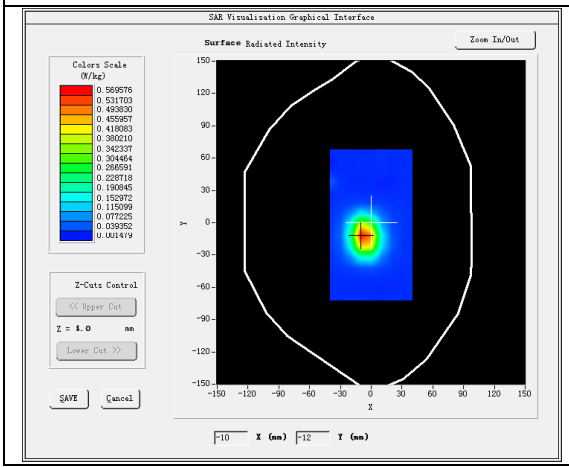
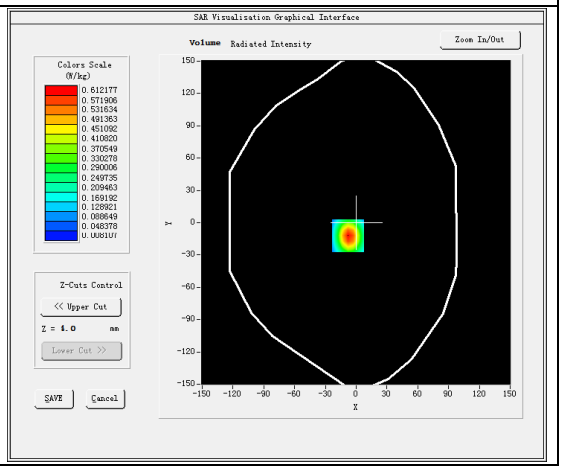
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=5mm dy=5mm dz=4mm
Device Position	Dipole
Band	2450MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2450
Relative permittivity (real part)	52.65
Relative permittivity	14.55
Conductivity (S/m)	1.98
Power Drift (%)	-0.31
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	2.46
Duty factor:	1:1

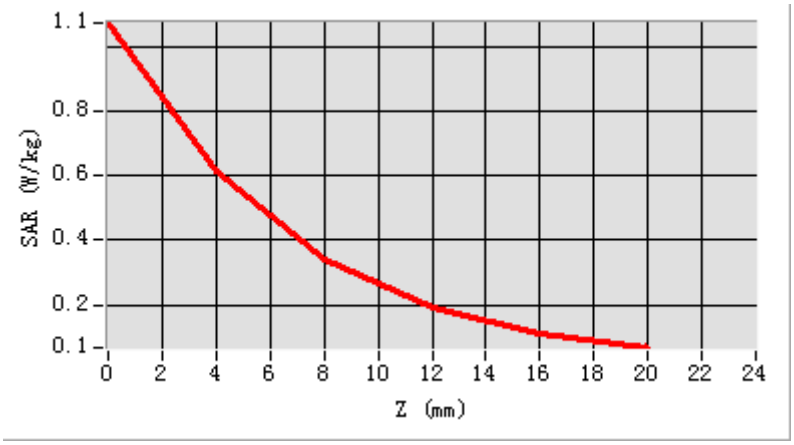
SURFACE SAR	**VOLUME SAR**
	

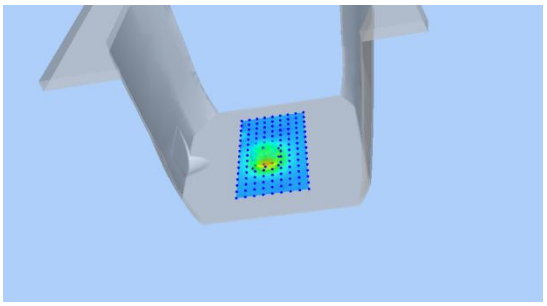
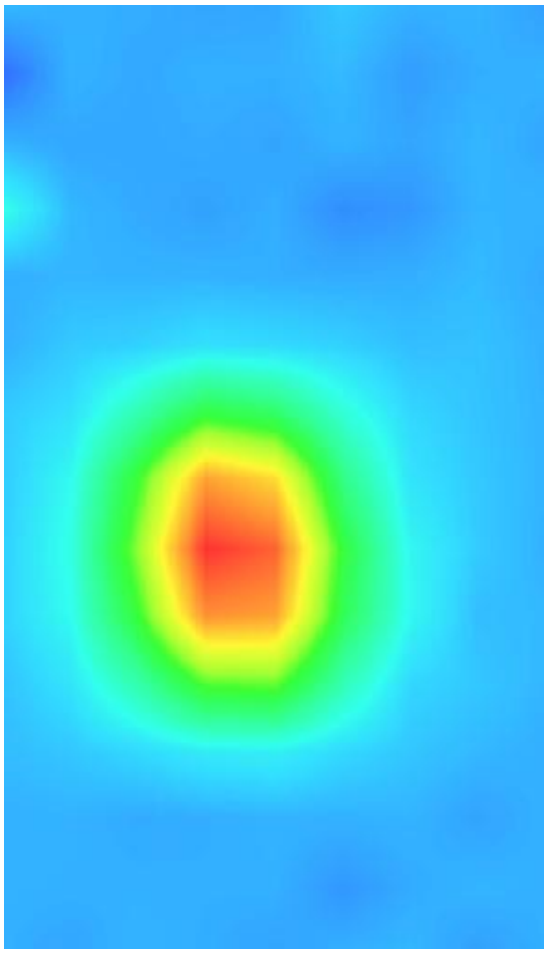
Maximum location: X=-8.00, Y=-12.00

SAR Peak: 1.08 W/kg

SAR 10g (W/Kg)	0.255663
SAR 1g (W/Kg)	0.556600

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.0725	0.6122	0.3399	0.1913	0.1142



3D screen shot	Hot spot position
	

System Performance Check (Head, 2600MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 07/10/2019

Measurement duration: 22 minutes 12 seconds

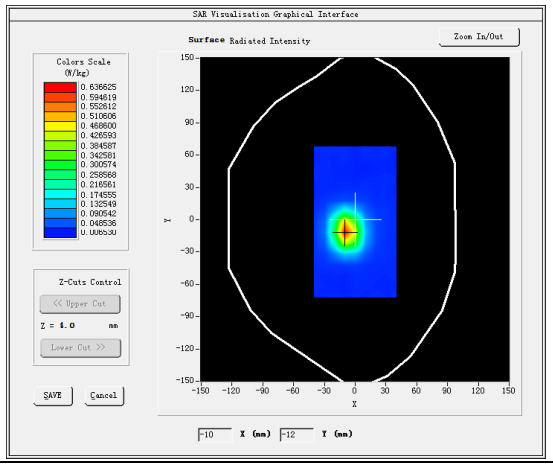
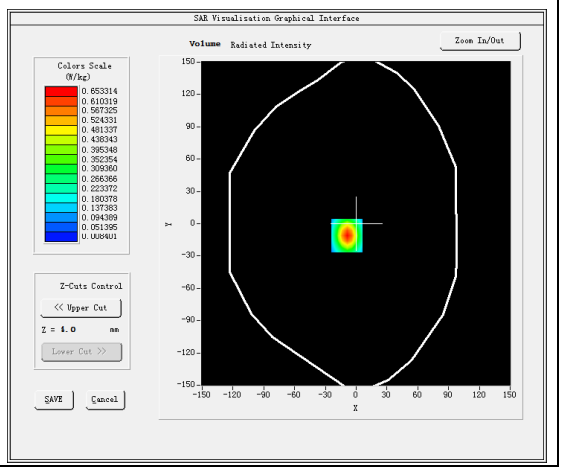
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=5mm dy=5mm dz=4mm
Device Position	Dipole
Band	2600MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2600
Relative permittivity (real part)	39.32
Relative permittivity	13.22
Conductivity (S/m)	1.80
Power drift (%)	-0.63
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.35

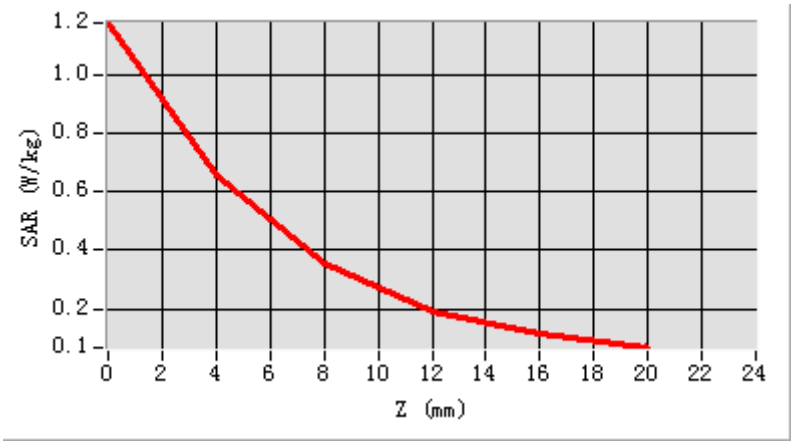
SURFACE SAR	**VOLUME SAR**
	

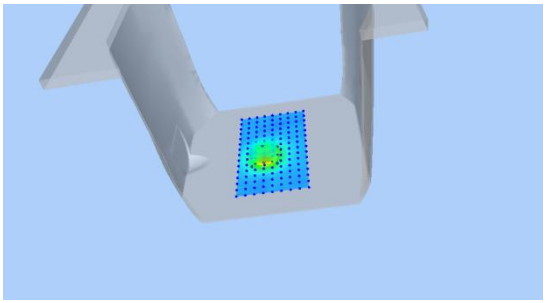
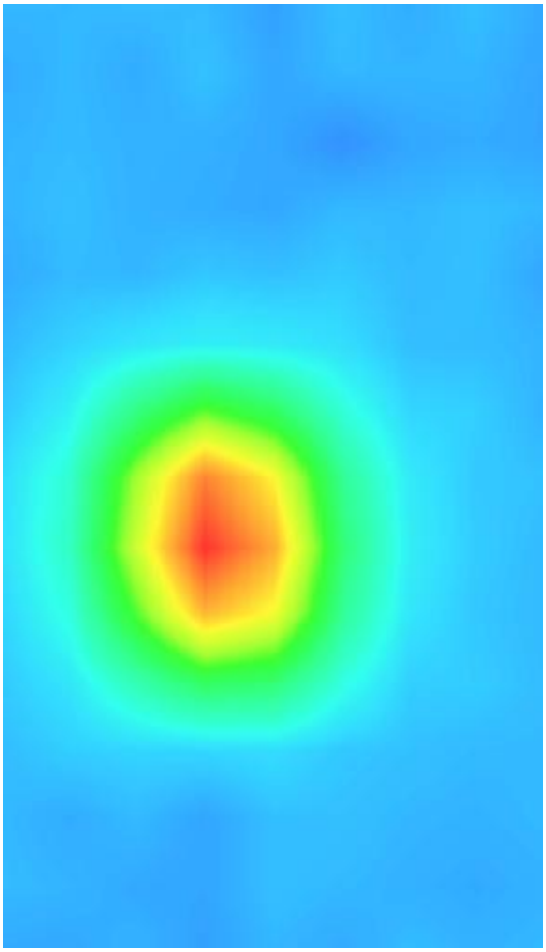
Maximum location: X=-9.00, Y=-11.00

SAR Peak: 1.18 W/kg

SAR 10g (W/Kg)	0.265422
SAR 1g (W/Kg)	0.587591

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.1763	0.6533	0.3512	0.1916	0.1121



3D screen shot	Hot spot position
	

System Performance Check (Body, 2600MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 07/10/2019

Measurement duration: 22 minutes 16 seconds

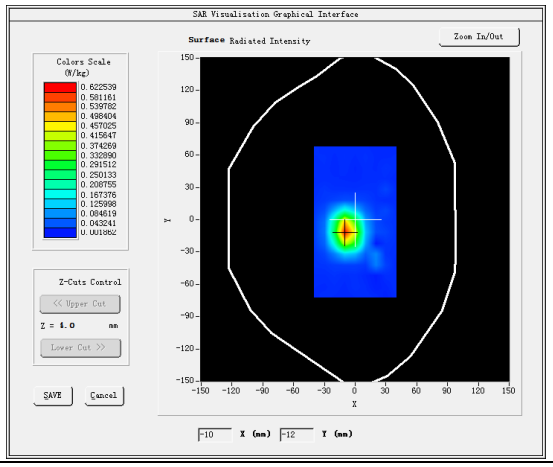
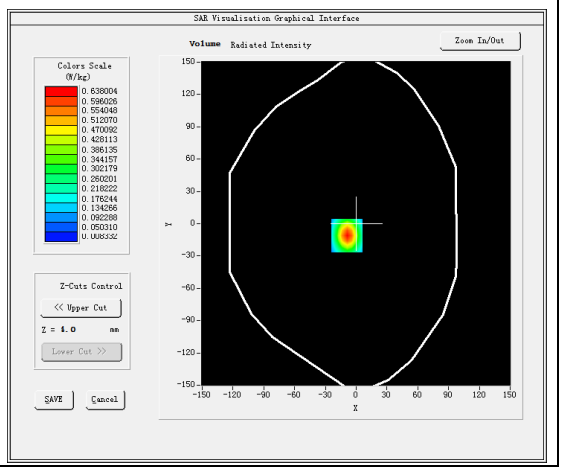
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=5mm dy=5mm dz=4mm
Device Position	Dipole
Band	2600MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2600
Relative permittivity (real part)	52.36
Relative permittivity	14.55
Conductivity (S/m)	1.98
Power drift (%)	-0.36
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.43

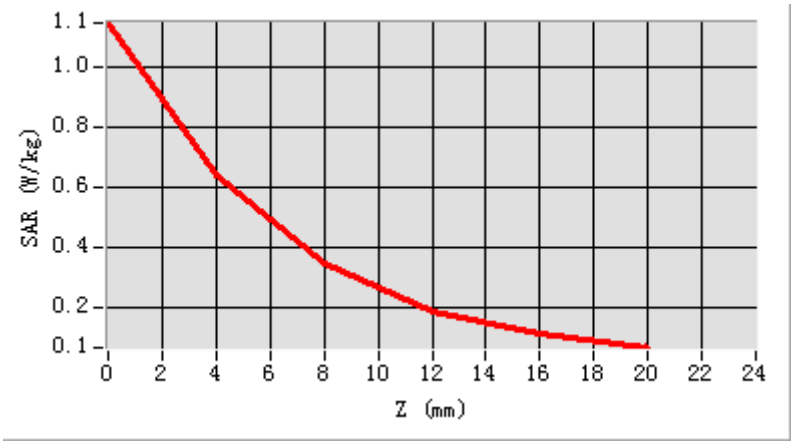
SURFACE SAR	**VOLUME SAR**
	

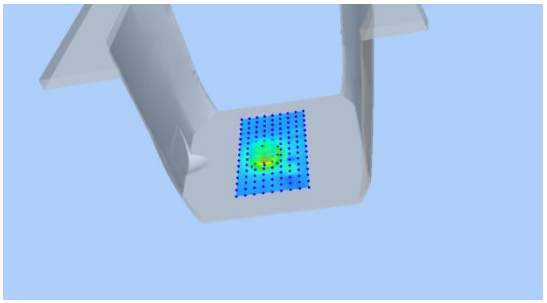
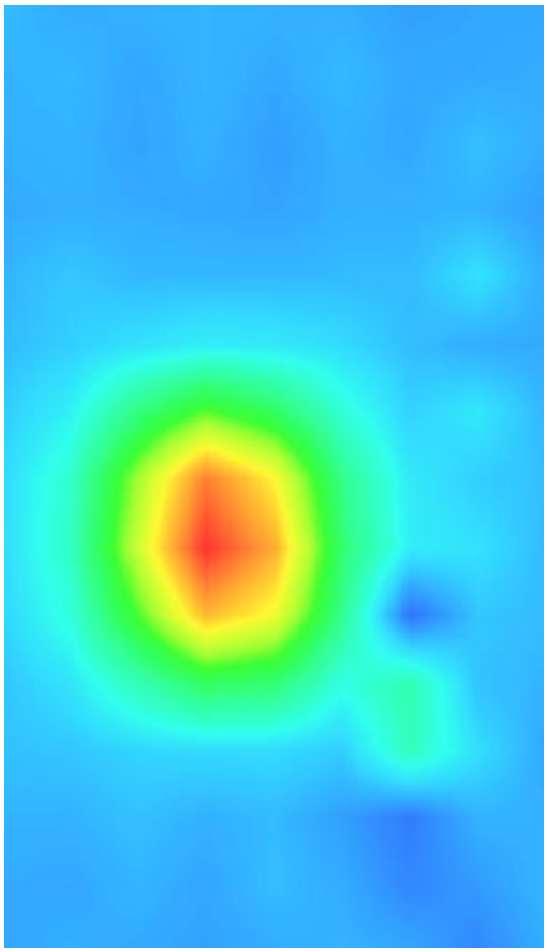
Maximum location: X=-9.00, Y=-11.00

SAR Peak: 1.15 W/kg

SAR 10g (W/Kg)	0.258747
SAR 1g (W/Kg)	0.575666

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.1471	0.6380	0.3432	0.1869	0.1087



3D screen shot	Hot spot position
	

System Performance Check (Head, 5200MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 07/11/2019

Measurement duration: 22 minutes 17 seconds

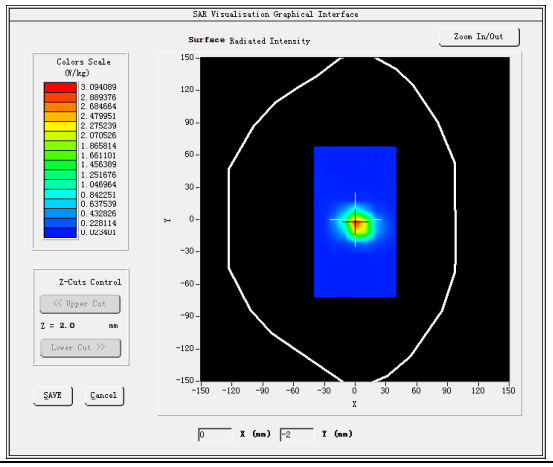
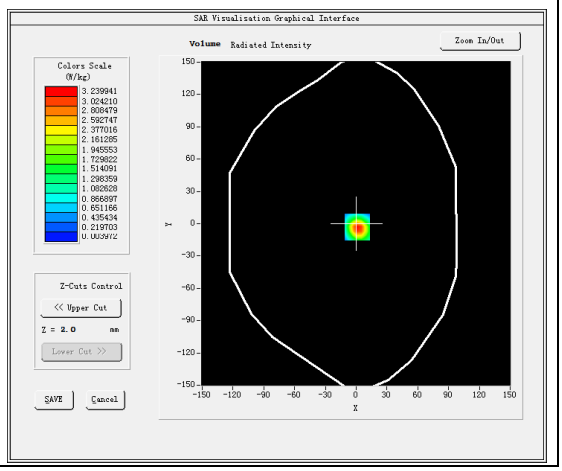
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5200MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5200
Relative permittivity (real part)	36.45
Relative permittivity	16.89
Conductivity (S/m)	4.88
Power drift (%)	-1.32
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.15

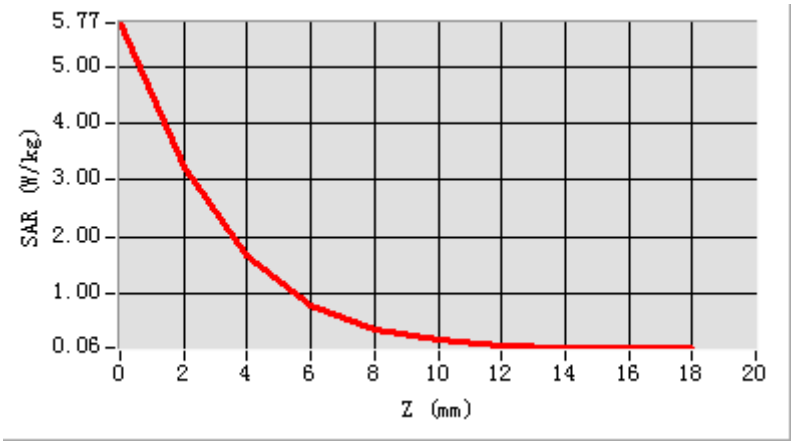
SURFACE SAR	**VOLUME SAR**
	

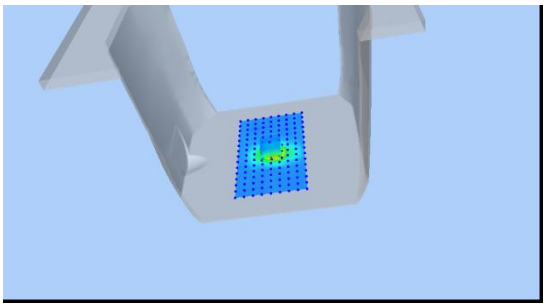
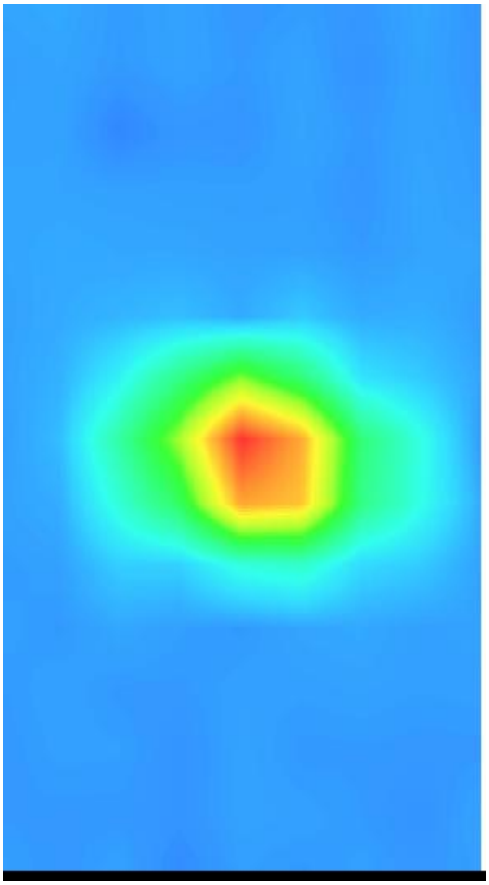
Maximum location: X=1.00, Y=-3.00

SAR Peak: 6.06W/kg

SAR 10g (W/Kg)	0.541108
SAR 1g (W/Kg)	1.779427

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	5.7662	3.2399	1.6760	0.8041	0.3753	0.1793	0.0961	0.0643	0.0553



3D screen shot	Hot spot position
	

System Performance Check (Body, 5200MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 07/11/2019

Measurement duration: 22 minutes 15 seconds

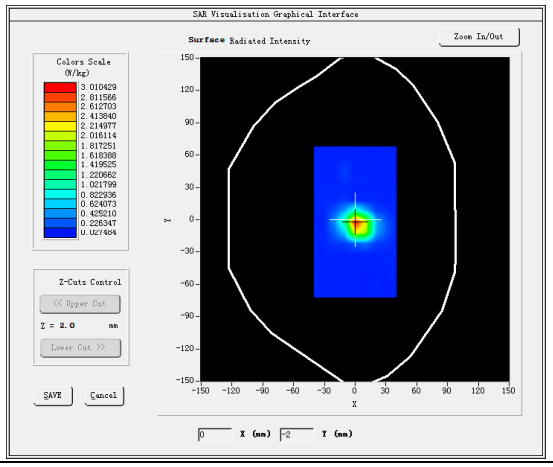
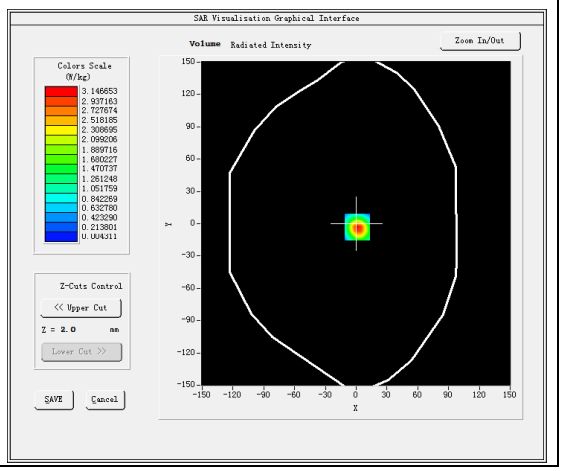
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5200MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5200
Relative permittivity (real part)	50.46
Relative permittivity	18.17
Conductivity (S/m)	5.25
Power drift (%)	-0.73
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.21

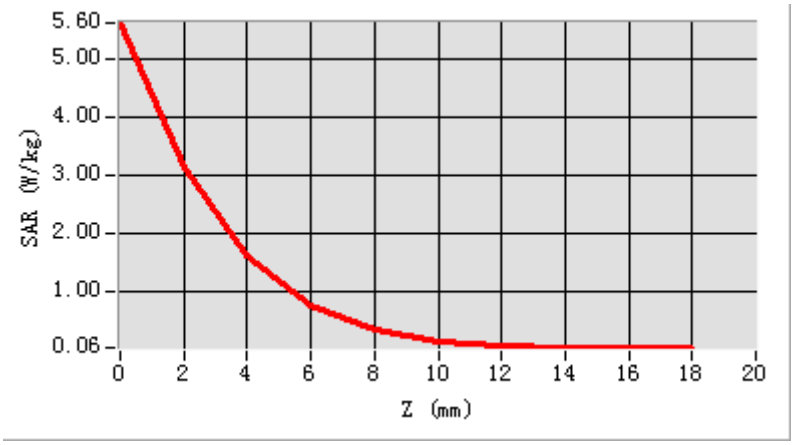
SURFACE SAR	VOLUME SAR
	

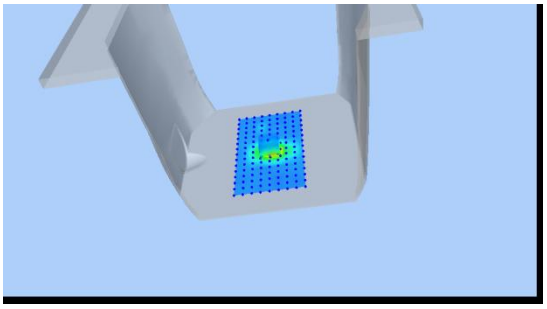
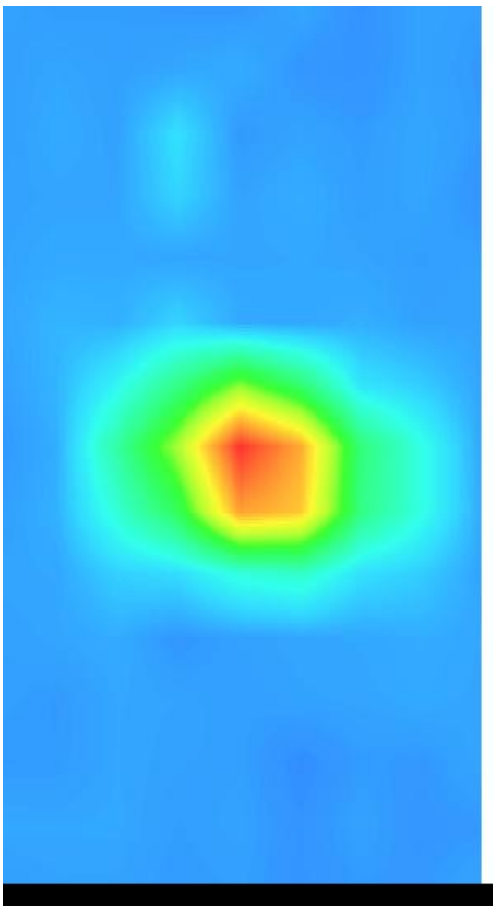
Maximum location: X=1.00, Y=-3.00

SAR Peak: 5.88 W/kg

SAR 10g (W/Kg)	0.524052
SAR 1g (W/Kg)	1.708336

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	5.5999	3.1467	1.6283	0.7826	0.3671	0.1773	0.0969	0.0665	0.0585



3D screen shot	Hot spot position
	

System Performance Check (Head, 5400MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 07/12/2019

Measurement duration: 22 minutes 18 seconds

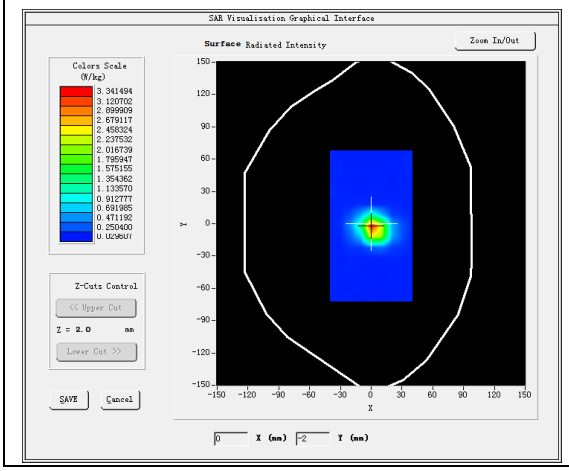
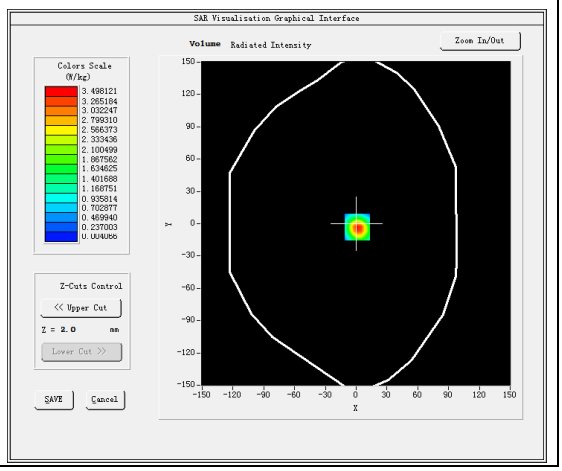
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5400MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5400
Relative permittivity (real part)	36.23
Relative permittivity	16.13
Conductivity (S/m)	4.84
Power drift (%)	-1.24
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.10

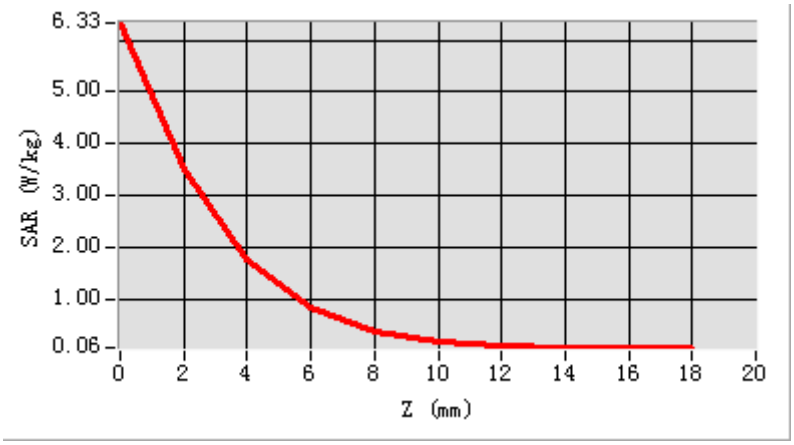
SURFACE SAR	**VOLUME SAR**
	

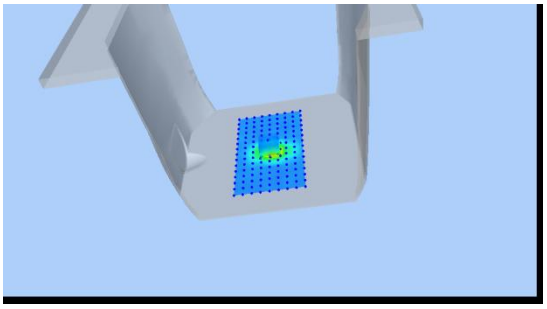
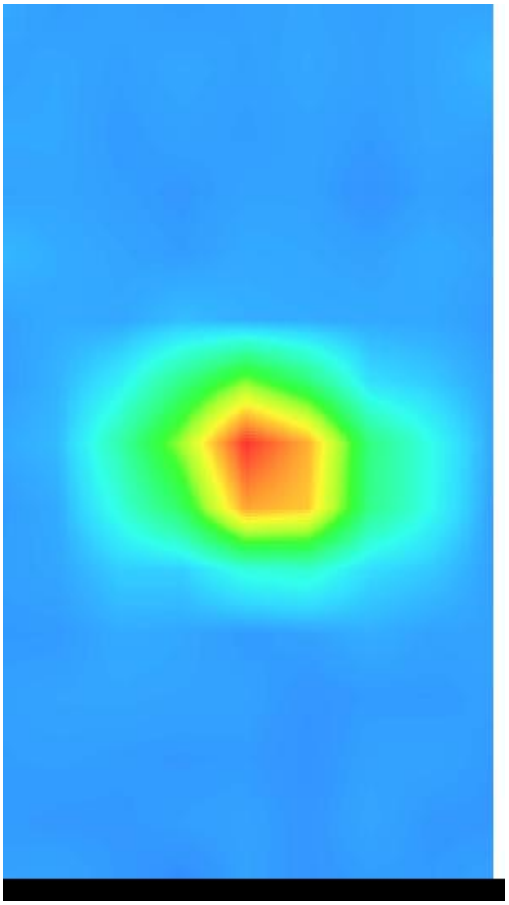
Maximum location: X=1.00, Y=-3.00

SAR Peak: 6.66W/kg

SAR 10g (W/Kg)	0.563498
SAR 1g (W/Kg)	1.881148

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	6.3300	3.4981	1.7628	0.8153	0.3636	0.1656	0.0865	0.0594	0.0552



3D screen shot	Hot spot position
	

System Performance Check (Body, 5400MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 07/12/2019

Measurement duration: 22 minutes 20 seconds

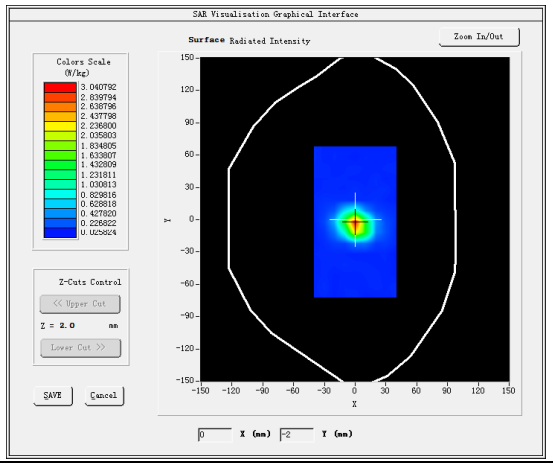
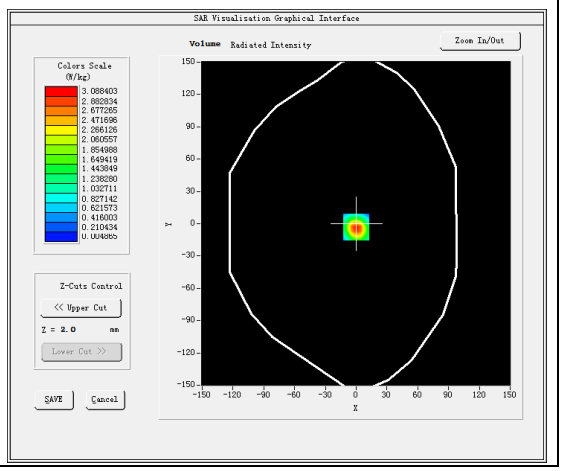
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5400MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5400
Relative permittivity (real part)	49.33
Relative permittivity	18.60
Conductivity (S/m)	5.58
Power drift (%)	-0.67
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.16

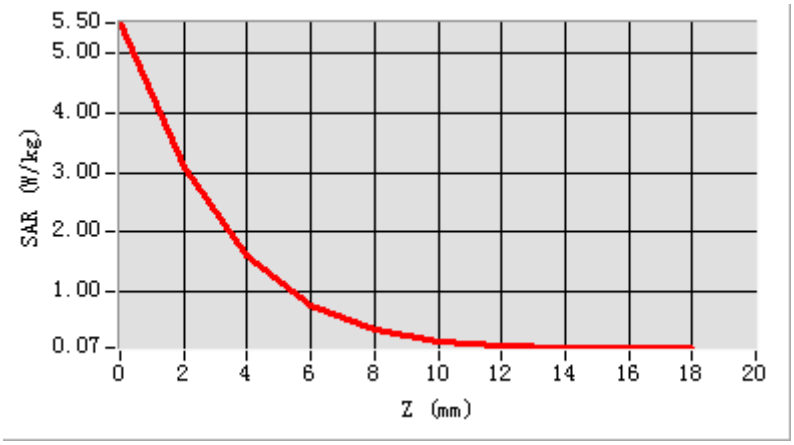
SURFACE SAR	VOLUME SAR
	

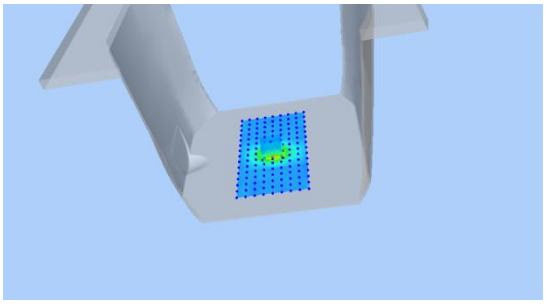
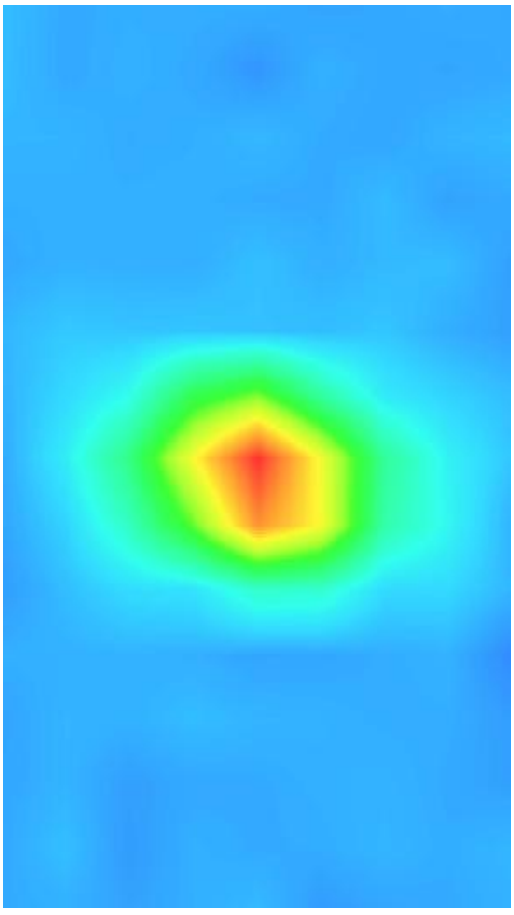
Maximum location: X=0.00, Y=-3.00

SAR Peak: 5.76 W/kg

SAR 10g (W/Kg)	0.526903
SAR 1g (W/Kg)	1.678425

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	5.4973	3.0884	1.5988	0.7707	0.3650	0.1800	0.1022	0.0736	0.0679



3D screen shot	Hot spot position
	

System Performance Check (Head, 5600MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 07/15/2019

Measurement duration: 22 minutes 21 seconds

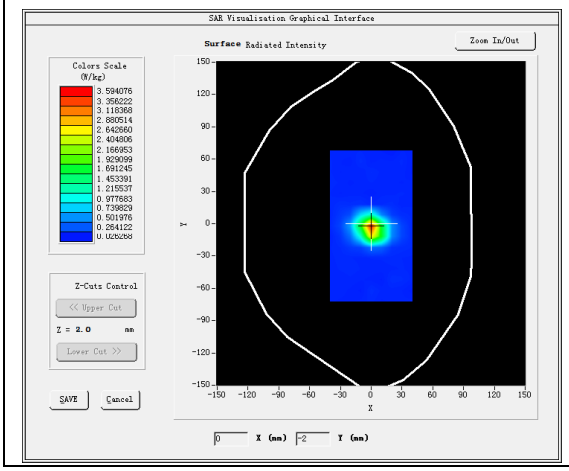
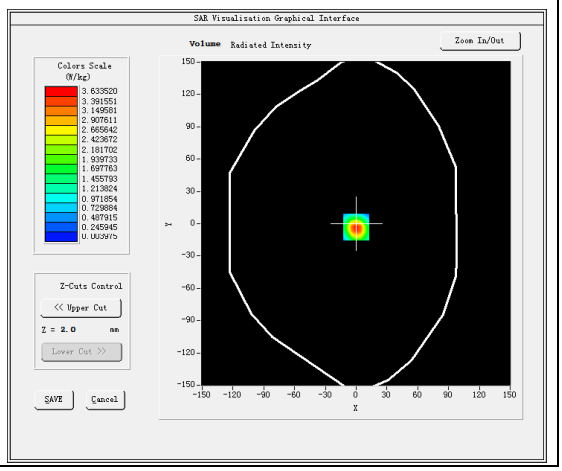
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5600MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5600
Relative permittivity (real part)	36.01
Relative permittivity	16.52
Conductivity (S/m)	5.14
Power drift (%)	-0.86
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.17

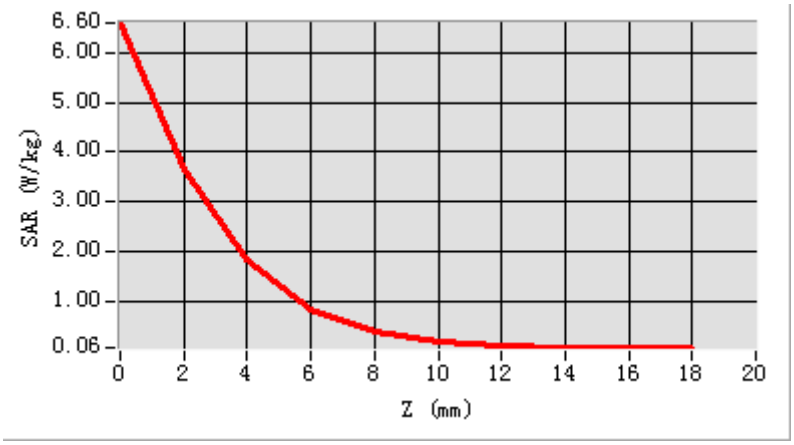
SURFACE SAR	**VOLUME SAR**
	

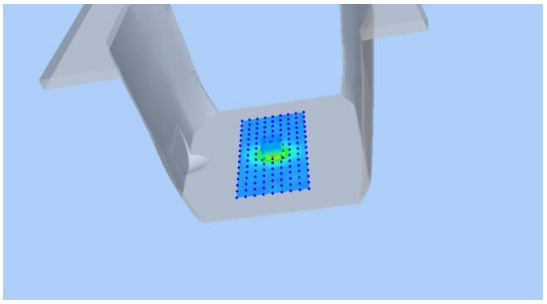
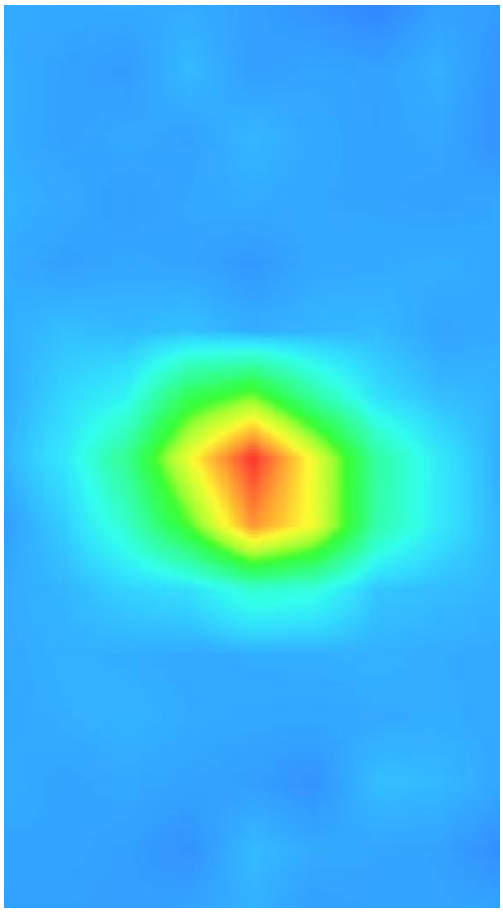
Maximum location: X=0.00, Y=-3.00

SAR Peak: 6.94W/kg

SAR 10g (W/Kg)	0.588681
SAR 1g (W/Kg)	1.947867

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	6.5974	3.6335	1.8213	0.8363	0.3699	0.1674	0.0876	0.0611	0.0582



3D screen shot	Hot spot position
	

System Performance Check (Body, 5600MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 07/15/2019

Measurement duration: 22 minutes 23 seconds

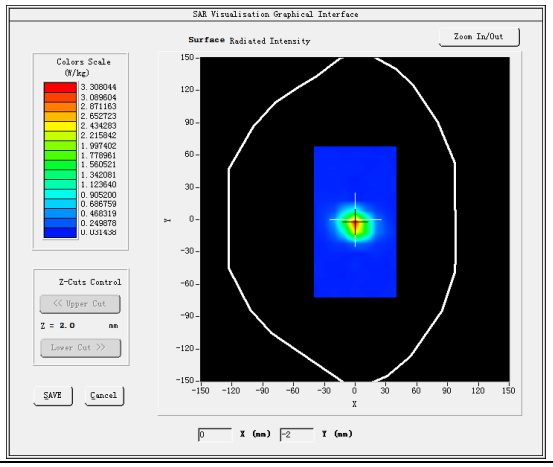
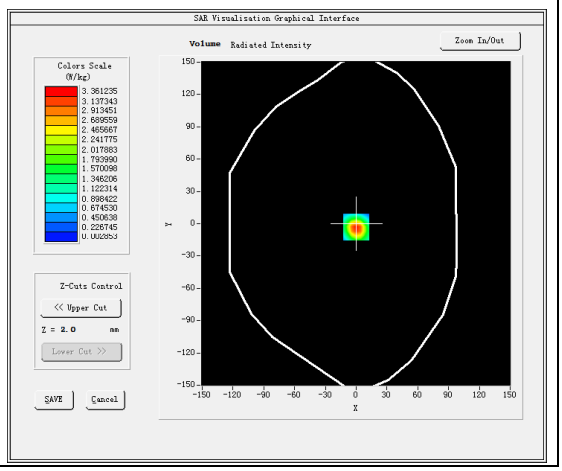
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5600MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5600
Relative permittivity (real part)	49.09
Relative permittivity	18.19
Conductivity (S/m)	5.66
Power drift (%)	-0.91
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.24

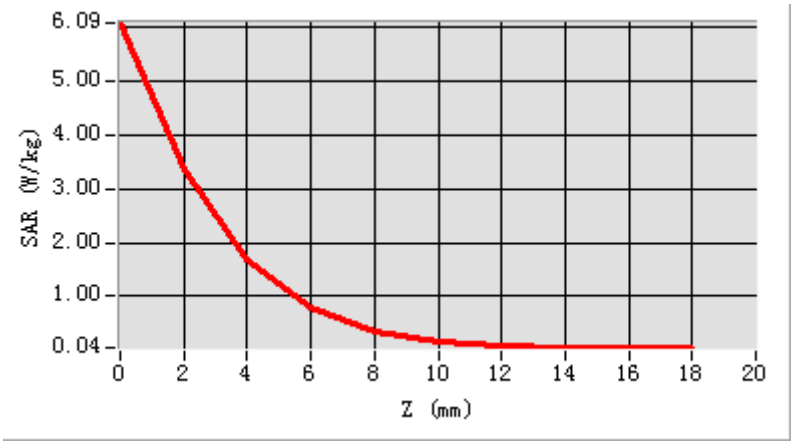
SURFACE SAR	VOLUME SAR
	

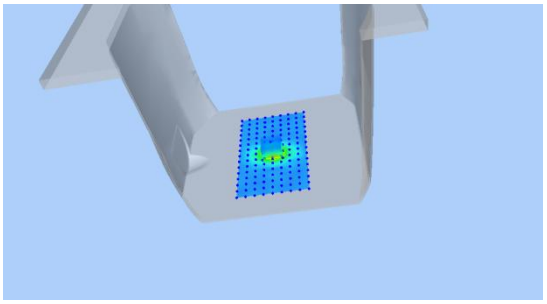
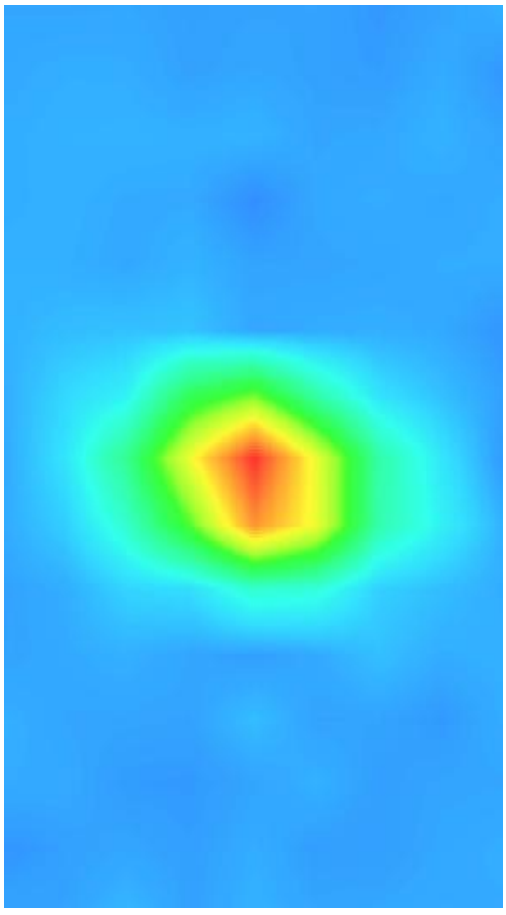
Maximum location: X=0.00, Y=-3.00

SAR Peak: 6.40 W/kg

SAR 10g (W/Kg)	0.531677
SAR 1g (W/Kg)	1.790330

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	6.0889	3.3612	1.6900	0.7774	0.3424	0.1522	0.0763	0.0498	0.0445



3D screen shot	Hot spot position
	

System Performance Check (Head, 5800MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 07/16/2019

Measurement duration: 22 minutes 25 seconds

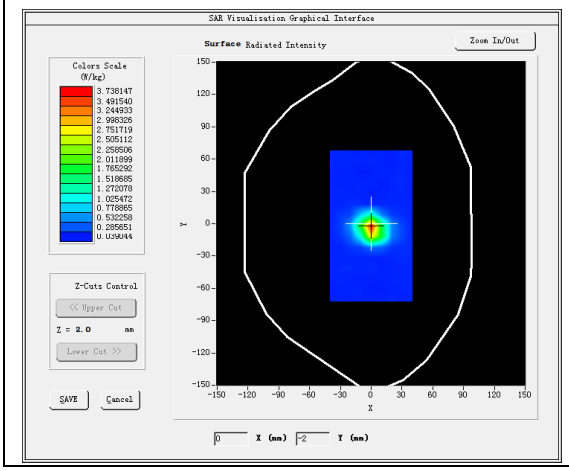
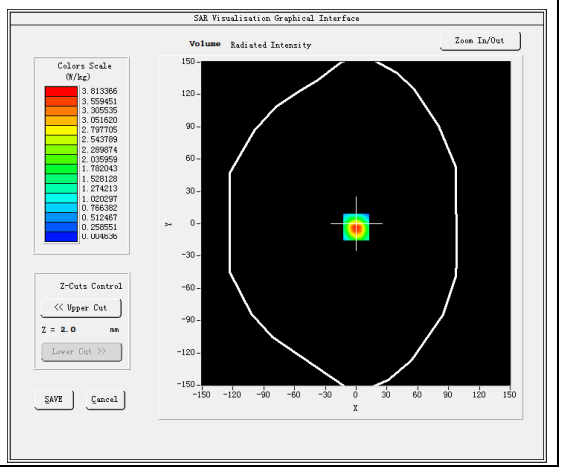
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5800MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5800
Relative permittivity (real part)	35.86
Relative permittivity	16.29
Conductivity (S/m)	5.25
Power drift (%)	-1.63
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.19

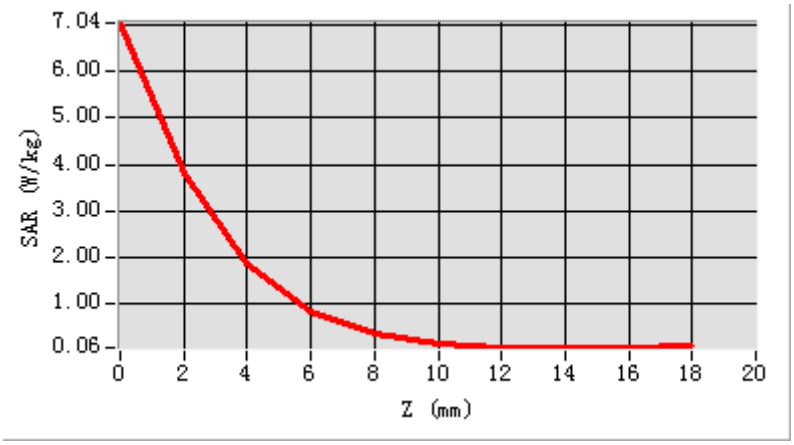
SURFACE SAR	**VOLUME SAR**
	

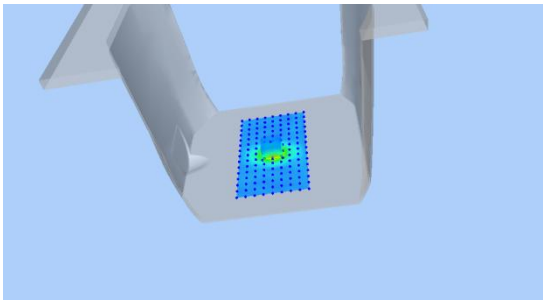
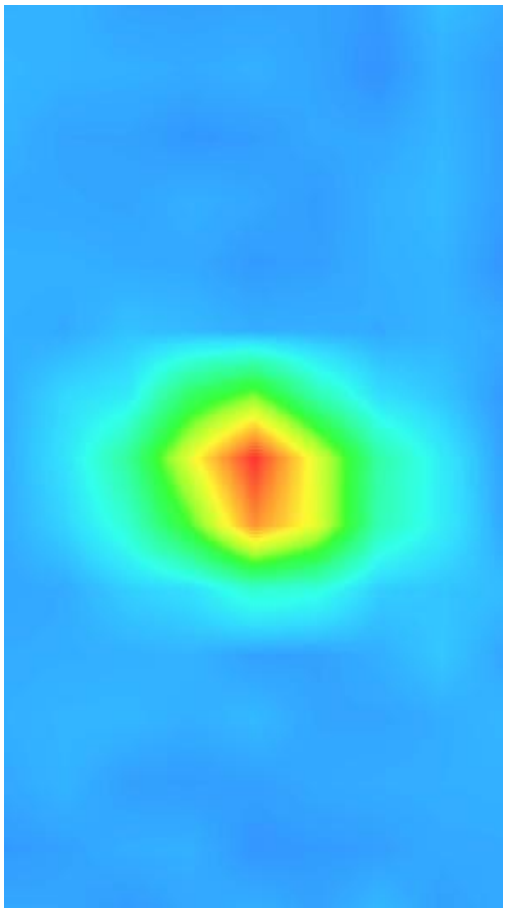
Maximum location: X=0.00, Y=-3.00

SAR Peak: 7.42 W/kg

SAR 10g (W/Kg)	0.610675
SAR 1g (W/Kg)	2.036732

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	7.0370	3.8134	1.8624	0.8253	0.3504	0.1535	0.0810	0.0612	0.0659



3D screen shot	Hot spot position
	

System Performance Check (Body, 5800MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 07/16/2019

Measurement duration: 22 minutes 27 seconds

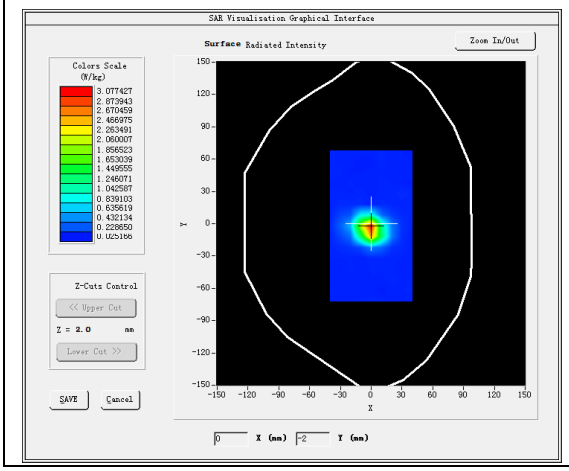
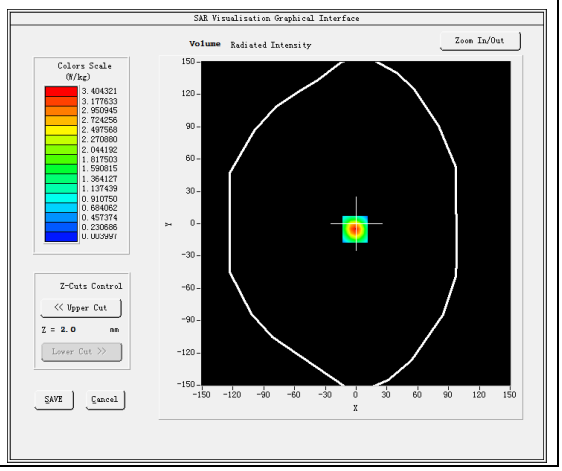
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5800MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5800
Relative permittivity (real part)	48.84
Relative permittivity	18.25
Conductivity (S/m)	5.88
Power drift (%)	-0.34
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.26

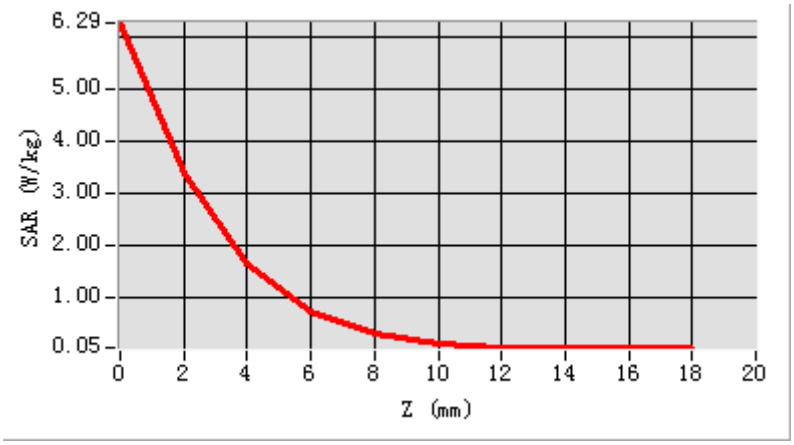
SURFACE SAR	**VOLUME SAR**
	

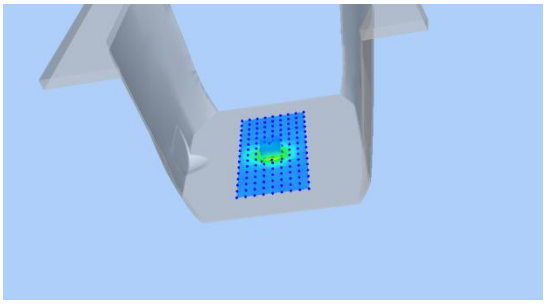
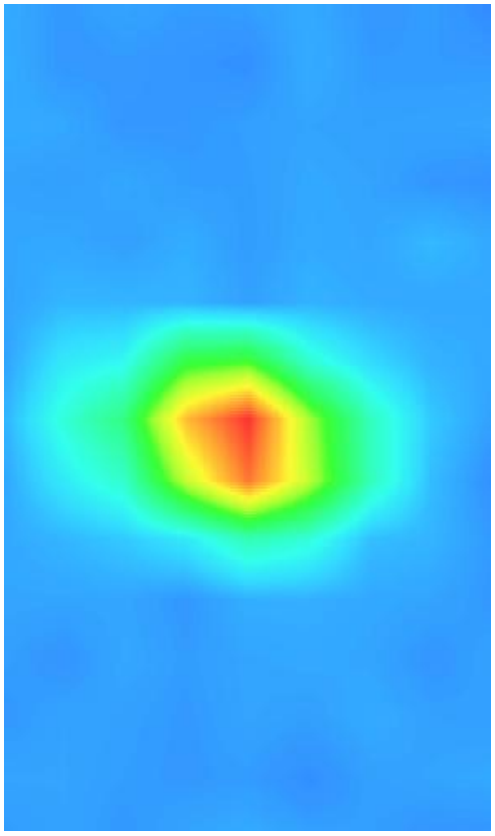
Maximum location: X=-1.00, Y=-5.00

SAR Peak: 6.57 W/kg

SAR 10g (W/Kg)	0.520494
SAR 1g (W/Kg)	1.771728

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	6.2850	3.4043	1.6606	0.7329	0.3077	0.1315	0.0666	0.0480	0.0501



3D screen shot	Hot spot position
	

System Performance Check (Head, 835MHz)

Type: Phone measurement

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

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

Date of measurement: 10/08/2019

Measurement duration: 22 minutes 41 seconds

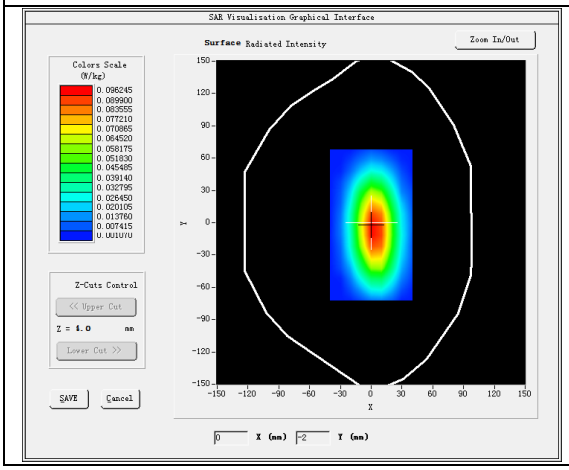
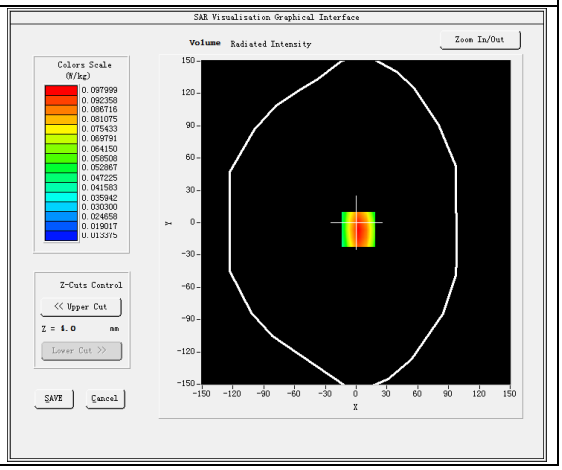
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	835MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	835
Relative permittivity (real part)	41.64
Relative permittivity	20.91
Conductivity (S/m)	0.97
Power drift (%)	-2.40
Ambient Temperature:	22.2°C
Liquid Temperature:	22.6°C
ConvF:	1.92
Crest factor:	1:1

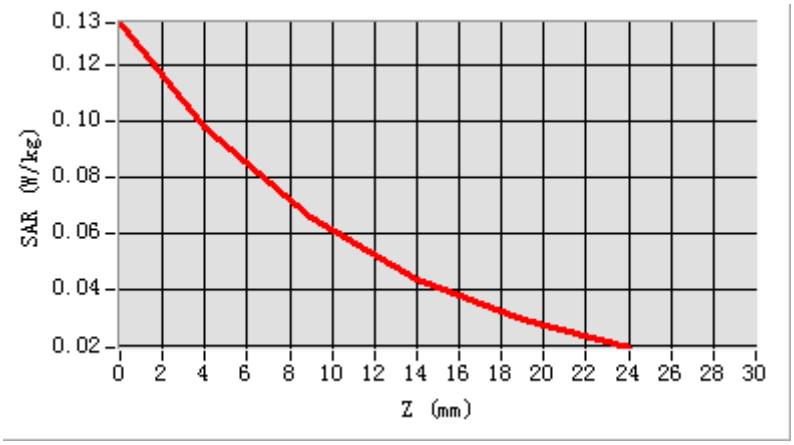
SURFACE SAR	**VOLUME SAR**
	

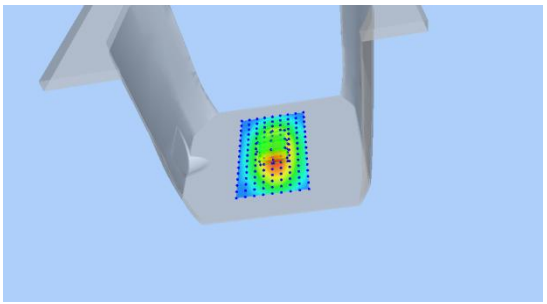
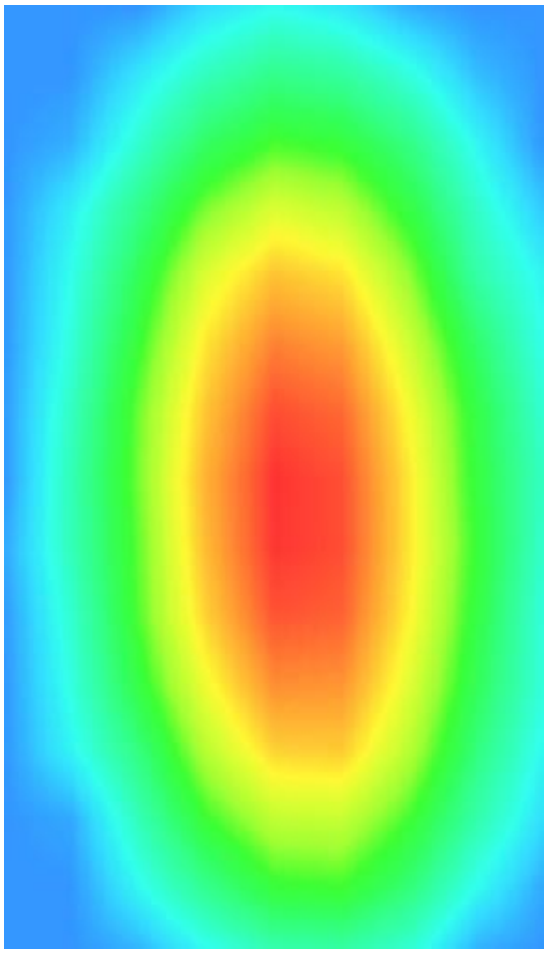
Maximum location: X=2.00, Y=-6.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.059690
SAR 1g (W/Kg)	0.094718

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1348	0.0980	0.0651	0.0434	0.0292



3D screen shot	Hot spot position
	

System Performance Check (Body, 835MHz)

Type: Phone measurement

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

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

Date of measurement: 10/08/2019

Measurement duration: 22 minutes 44 seconds

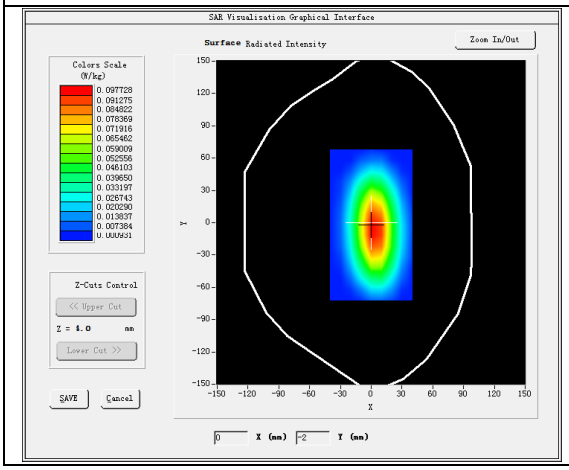
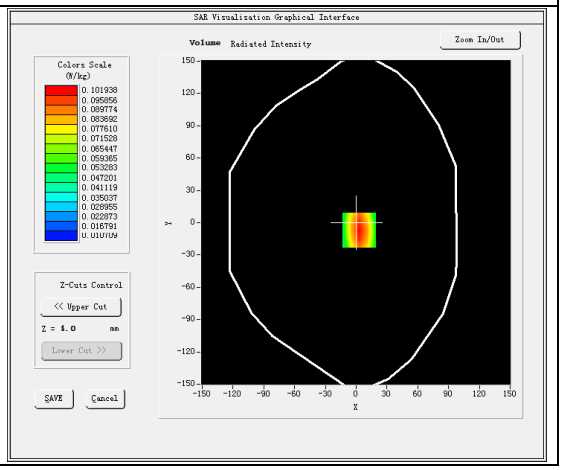
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	835MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	835
Relative permittivity (real part)	55.60
Relative permittivity	20.69
Conductivity (S/m)	0.96
Power drift (%)	3.51
Ambient Temperature:	22.2°C
Liquid Temperature:	22.6°C
ConvF:	1.99
Crest factor:	1:1

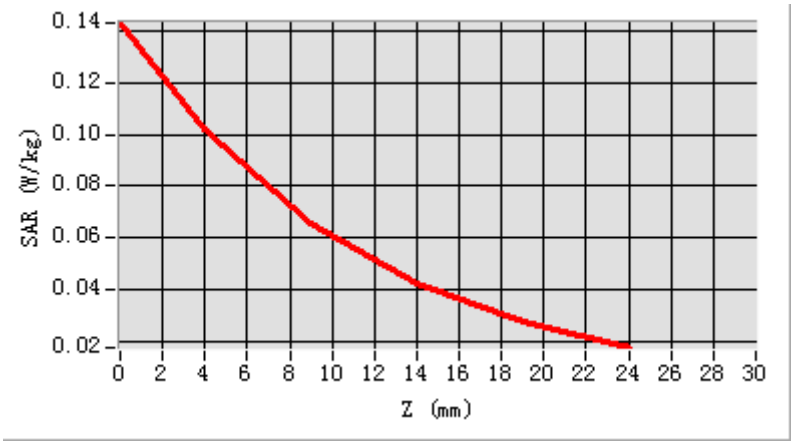
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=3.00, Y=-7.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.059122
SAR 1g (W/Kg)	0.095997

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1434	0.1019	0.0657	0.0424	0.0276



3D screen shot	Hot spot position