

## Appendix A: SAR System performance Check Plots

<b>Measurement</b>	<b>Liquid</b>	<b>Frequency</b>	<b>Test Date</b>
System Check	Head	750	2019-10-08
System Check	Body	750	2019-10-08
System Check	Head	835	2019-10-09
System Check	Body	835	2019-10-09
System Check	Head	1800	2019-10-10
System Check	Body	1800	2019-10-10
System Check	Head	1900	2019-10-11
System Check	Body	1900	2019-10-11
System Check	Head	2450	2019-10-12
System Check	Body	2450	2019-10-12
System Check	Head	2600	2019-10-14
System Check	Body	2600	2019-10-14
System Check	Head	5200	2019-10-15
System Check	Body	5200	2019-10-15
System Check	Head	5400	2019-10-16
System Check	Body	5400	2019-10-16
System Check	Head	5600	2019-10-17
System Check	Body	5600	2019-10-17
System Check	Head	5800	2019-10-18
System Check	Body	5800	2019-10-18

## 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: 10/08/2019

Measurement duration: 22 minutes 01 seconds

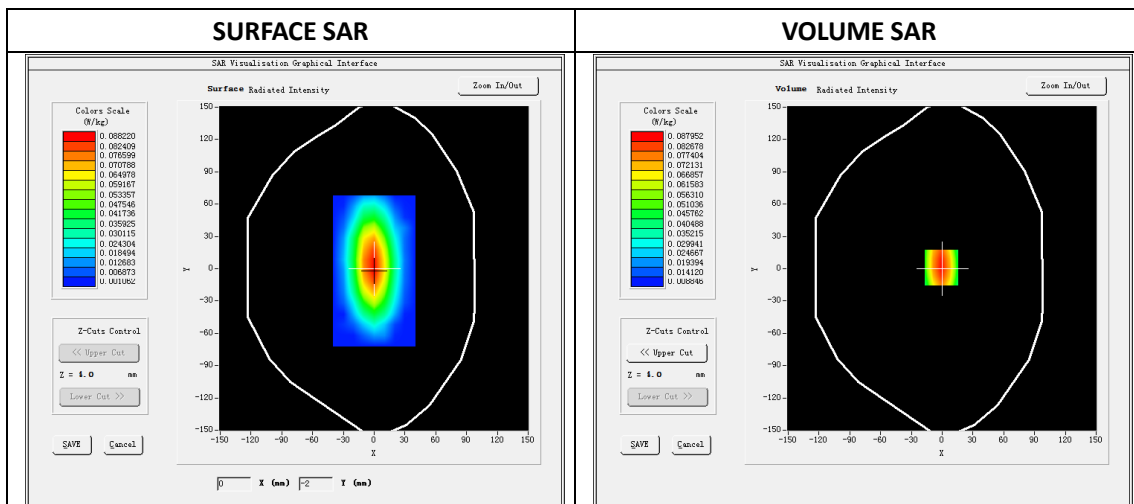
### A. Experimental conditions.

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

### B. SAR Measurement Results

#### Band SAR

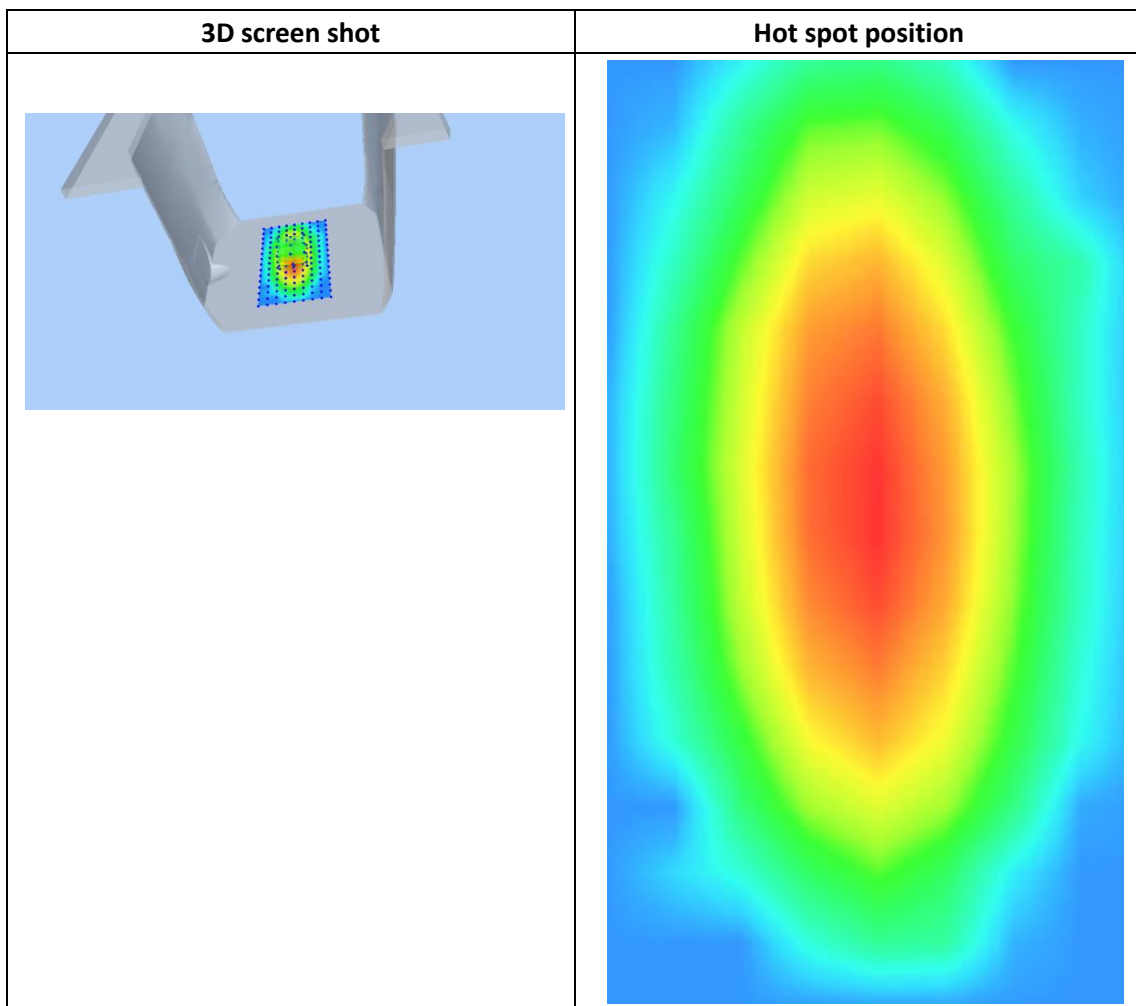
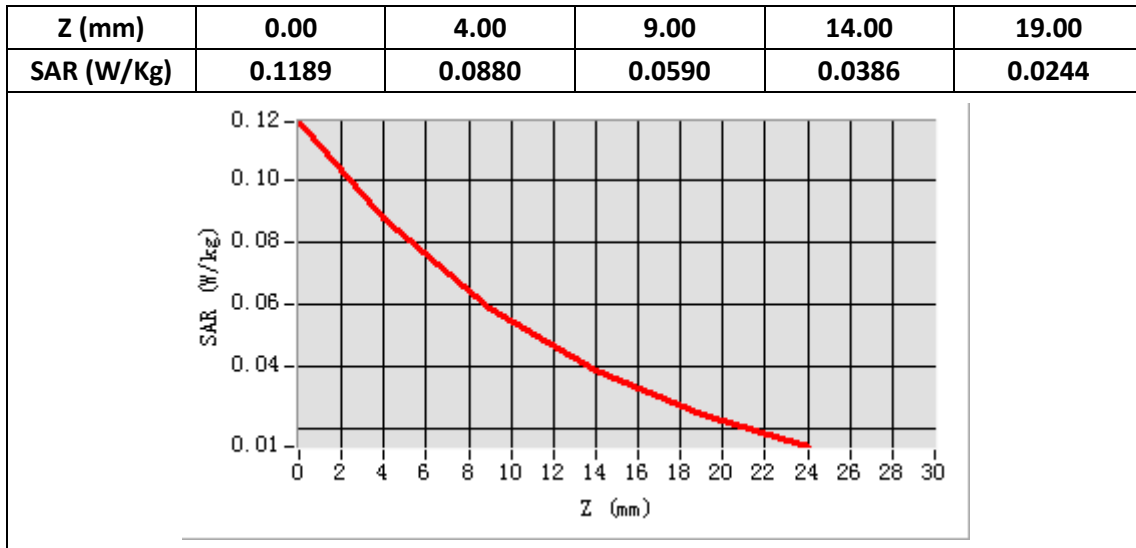
<b>E-Field Probe</b>	SATIMO SN_27/15_EPG0261
<b>Frequency (MHz)</b>	750
<b>Relative permittivity (real part)</b>	41.86
<b>Relative permittivity</b>	21.84
<b>Conductivity (S/m)</b>	0.91
<b>Power drift (%)</b>	-0.43
<b>Ambient Temperature:</b>	22.2°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	1.87
<b>Crest factor:</b>	1:1



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

**SAR Peak: 0.12 W/kg**

<b>SAR 10g (W/Kg)</b>	0.054140
<b>SAR 1g (W/Kg)</b>	0.083850



## 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: 10/08/2019

Measurement duration: 22 minutes 03 seconds

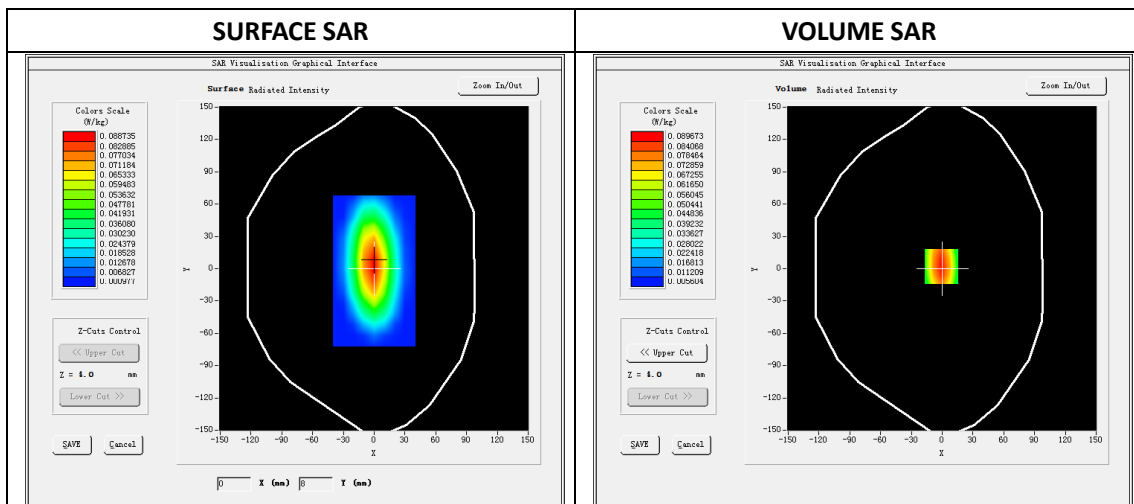
### A. Experimental conditions.

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

### B. SAR Measurement Results

#### Band SAR

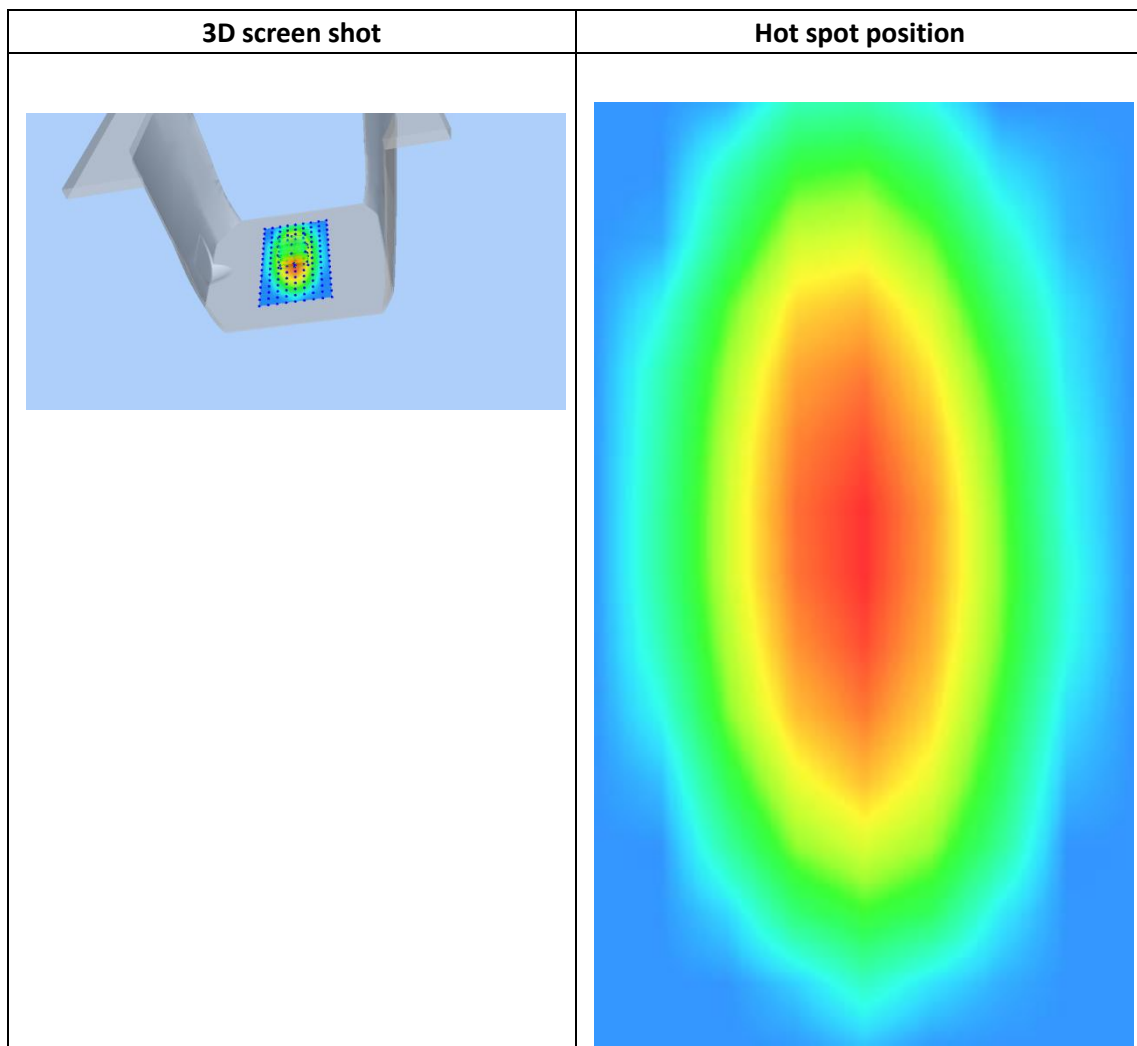
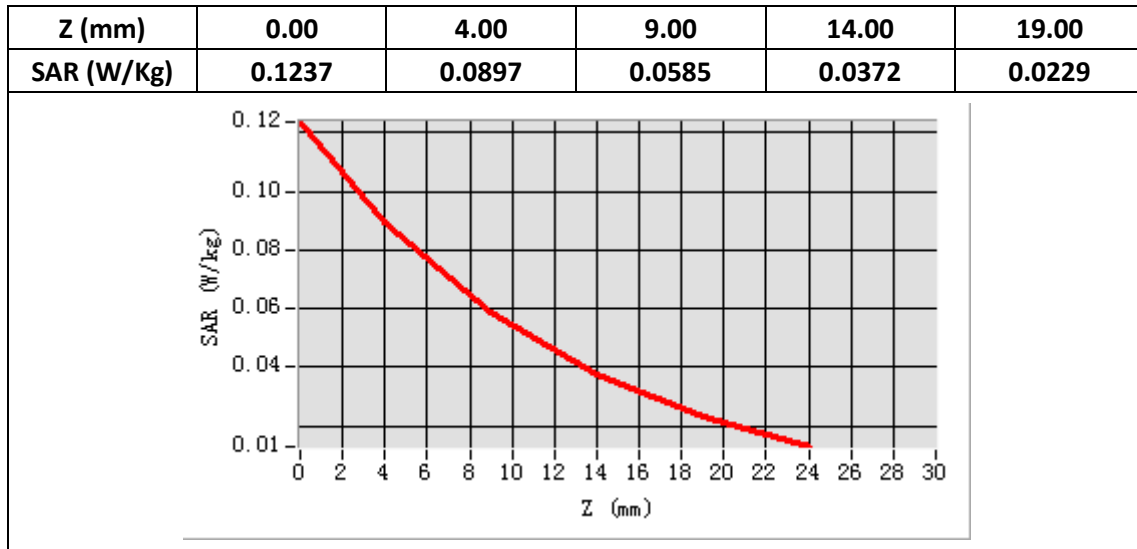
<b>E-Field Probe</b>	SATIMO SN_27/15_EPG0261
<b>Frequency (MHz)</b>	750
<b>Relative permittivity (real part)</b>	55.75
<b>Relative permittivity</b>	23.52
<b>Conductivity (S/m)</b>	0.98
<b>Power drift (%)</b>	0.56
<b>Ambient Temperature:</b>	22.2°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	1.93
<b>Crest factor:</b>	1:1



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

**SAR Peak: 0.12 W/kg**

<b>SAR 10g (W/Kg)</b>	0.051775
<b>SAR 1g (W/Kg)</b>	0.084967



## 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: 10/09/2019

Measurement duration: 22 minutes 06 seconds

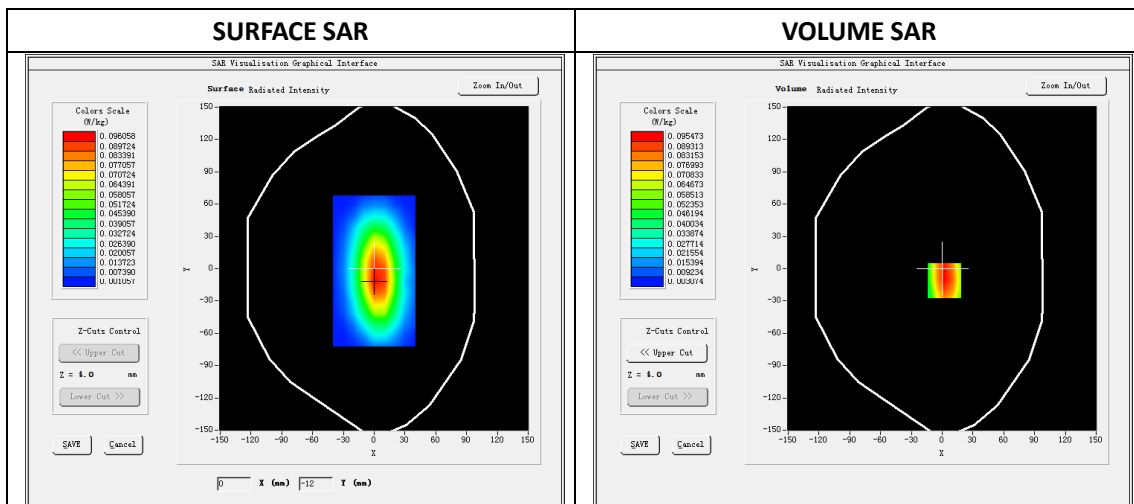
### A. Experimental conditions.

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

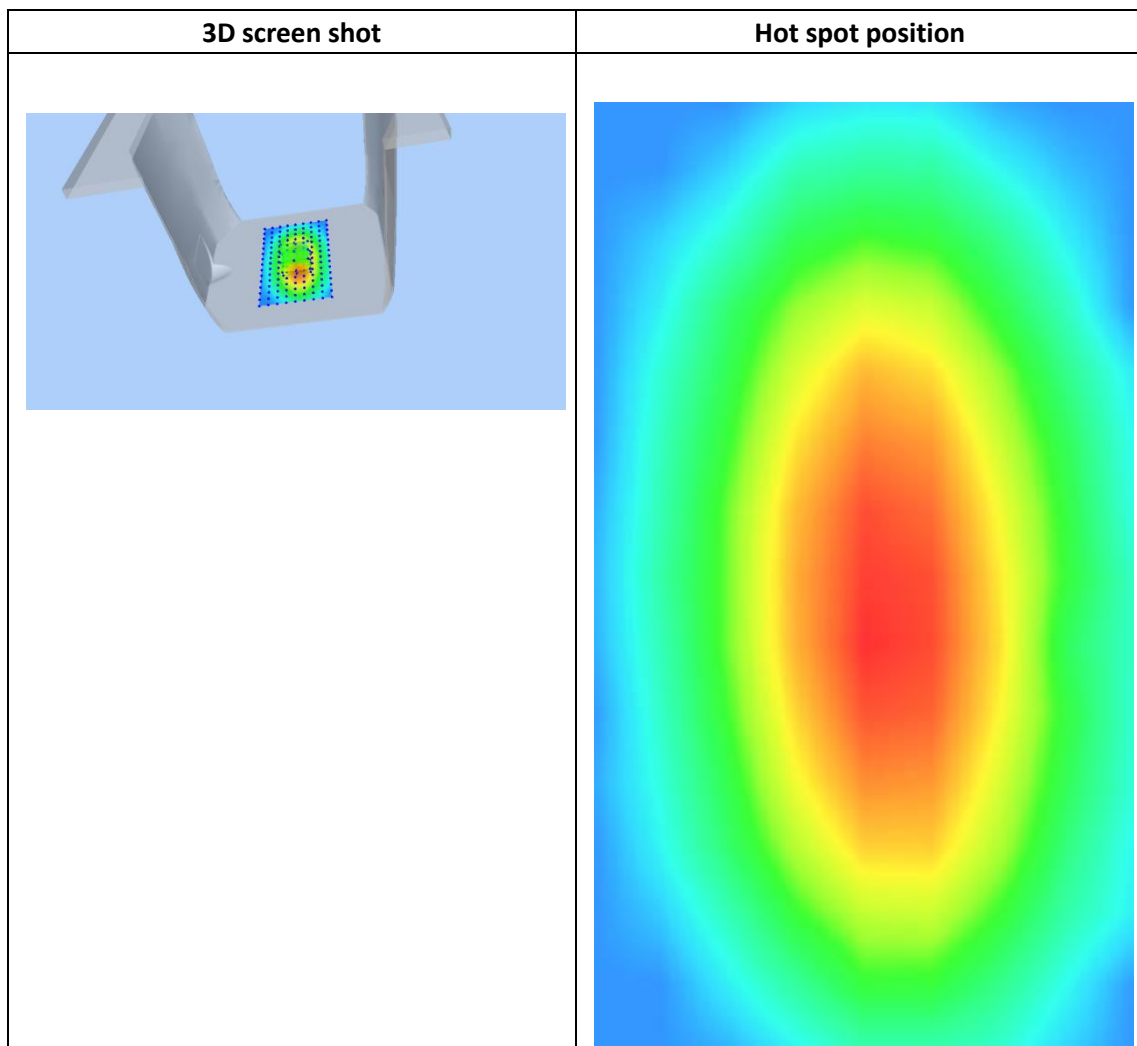
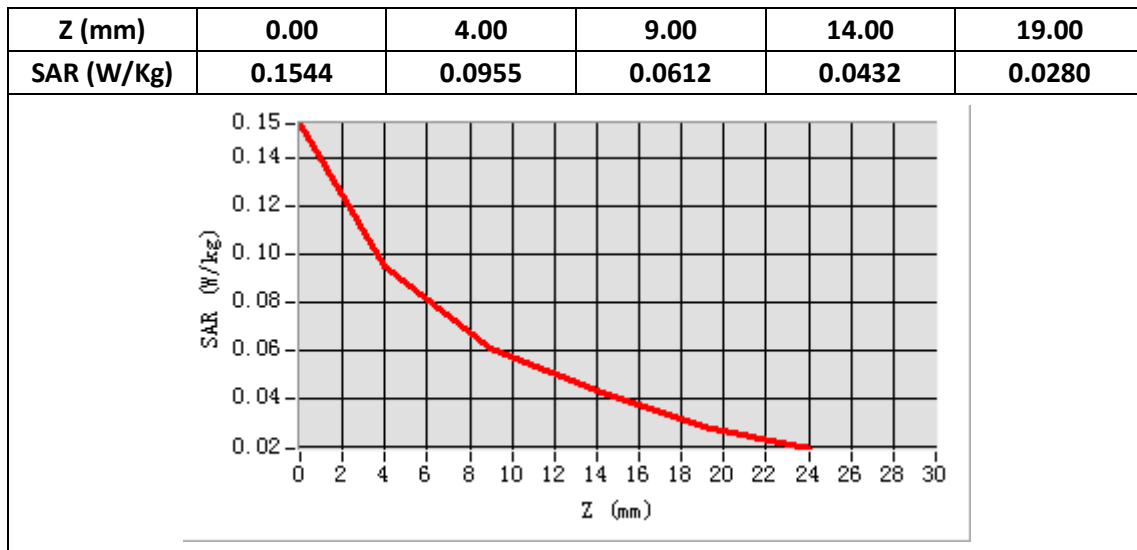
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	835
Relative permittivity (real part)	41.67
Relative permittivity	20.05
Conductivity (S/m)	0.93
Power drift (%)	-0.69
Ambient Temperature:	22.2°C
Liquid Temperature:	22.6°C
ConvF:	1.92
Crest factor:	1:1



Maximum location: X=2.00, Y=-11.00

SAR Peak: 0.13 W/kg

SAR 10g (W/Kg)	0.058923
SAR 1g (W/Kg)	0.092766



## 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: 10/09/2019

Measurement duration: 22 minutes 08 seconds

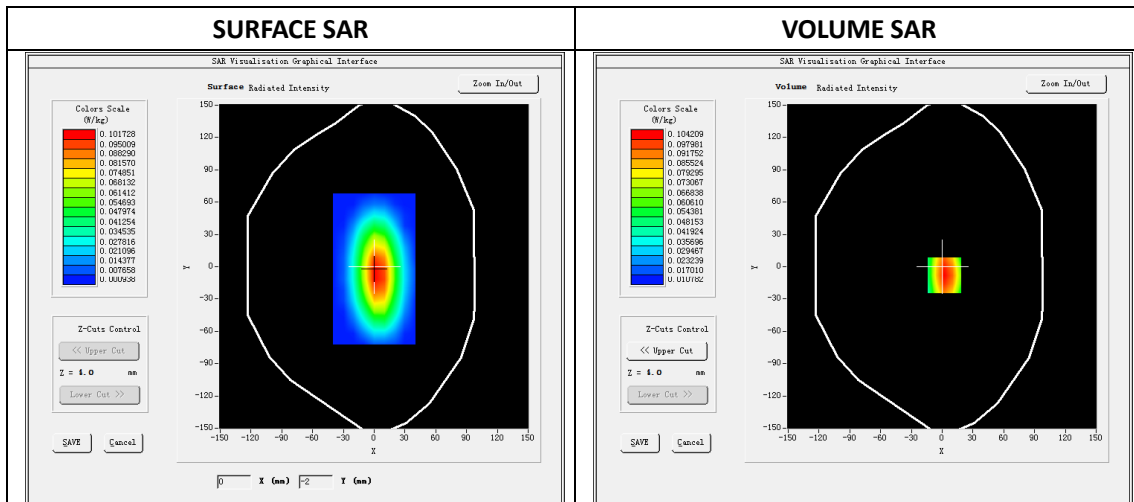
### A. Experimental conditions.

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

### B. SAR Measurement Results

#### Band SAR

<b>E-Field Probe</b>	SATIMO SN_27/15_EPG0261
<b>Frequency (MHz)</b>	835
<b>Relative permittivity (real part)</b>	55.52
<b>Relative permittivity</b>	21.34
<b>Conductivity (S/m)</b>	0.99
<b>Power drift (%)</b>	0.90
<b>Ambient Temperature:</b>	22.2°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	1.99
<b>Crest factor:</b>	1:1

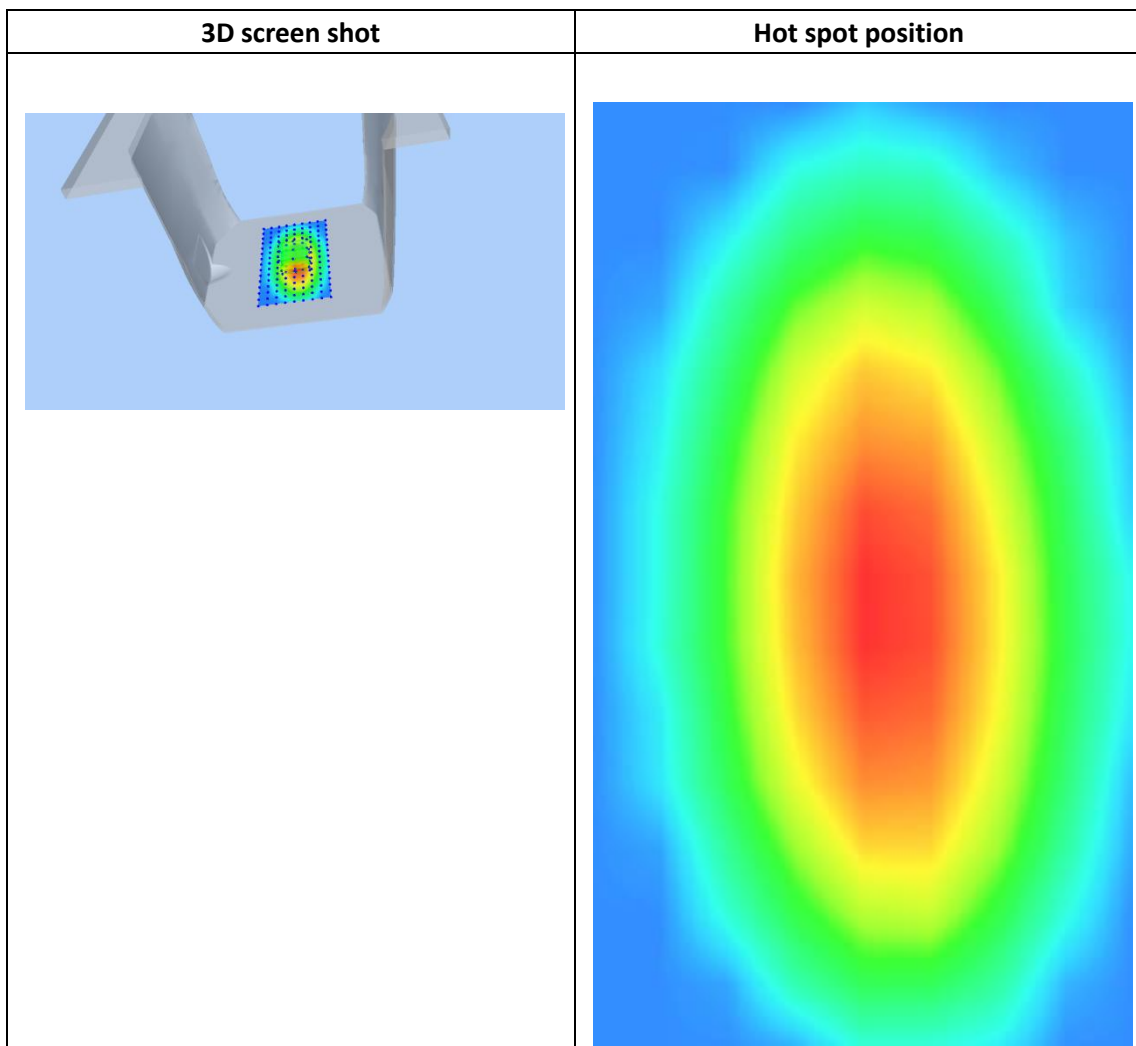
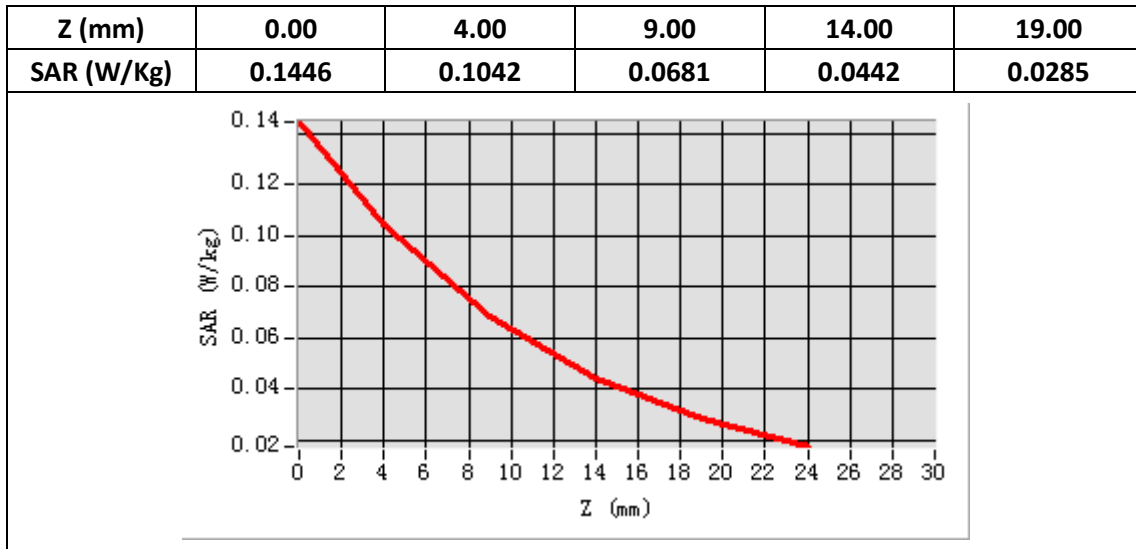


**Maximum location: X=2.00, Y=-8.00**

**SAR Peak: 0.15 W/kg**

<b>SAR 10g (W/Kg)</b>	0.061084
<b>SAR 1g (W/Kg)</b>	0.098703





## 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: 10/10/2019

Measurement duration: 22 minutes 10 seconds

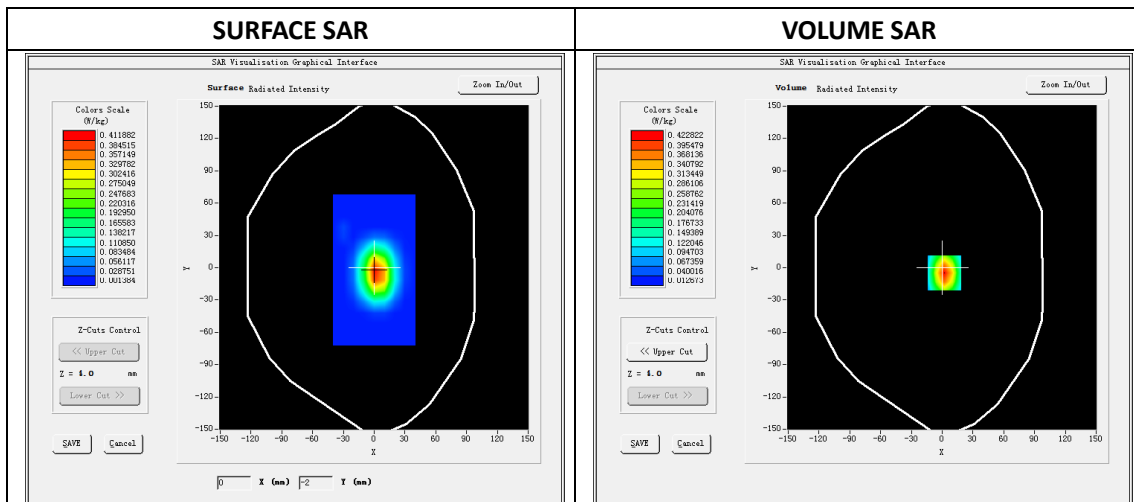
### A. Experimental conditions.

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

### B. SAR Measurement Results

#### Band SAR

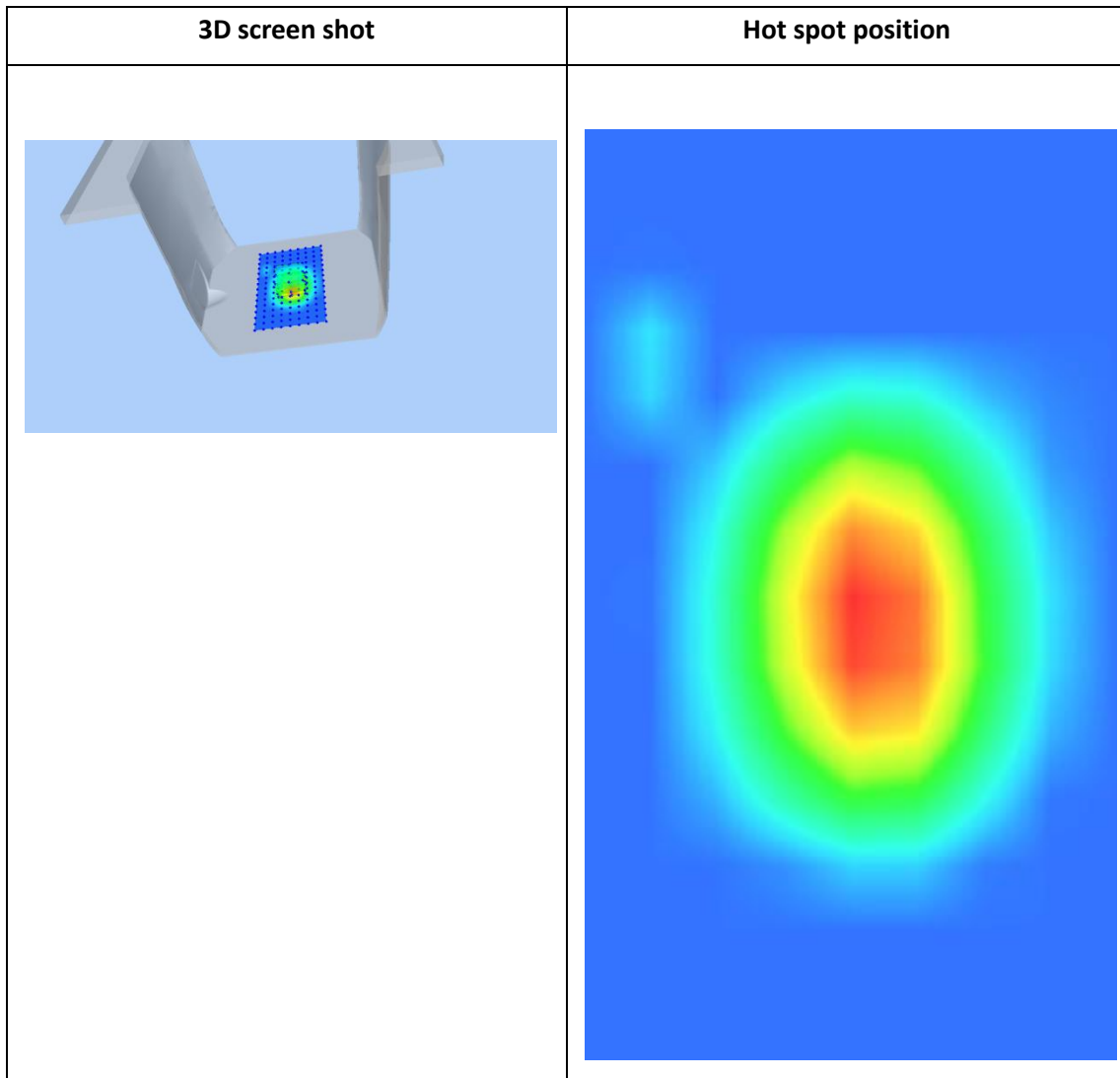
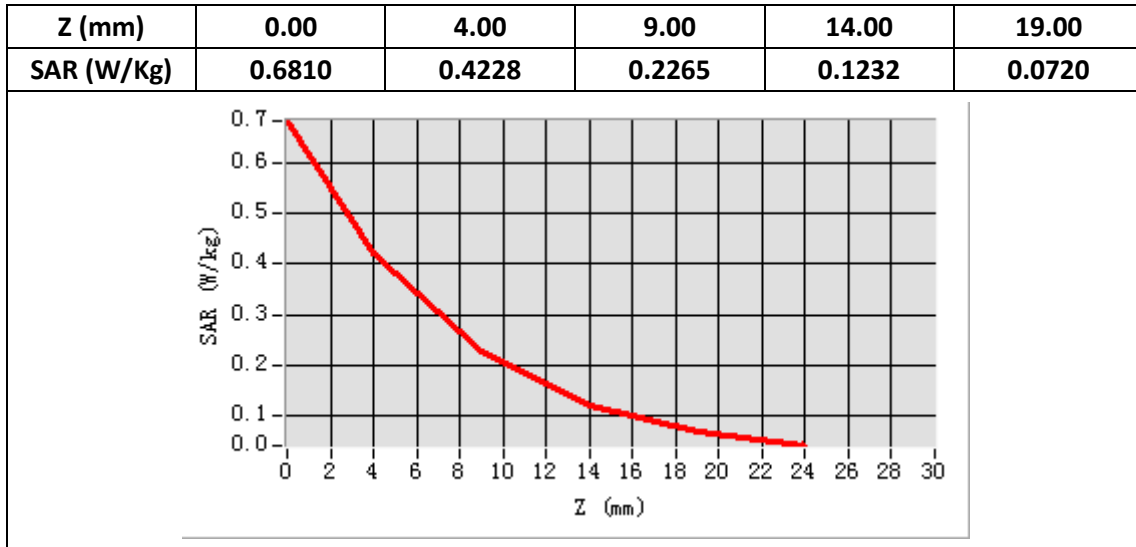
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1800
Relative permittivity (real part)	40.84
Relative permittivity	14.20
Conductivity (S/m)	1.42
Power Drift (%)	-4.49
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	2.14
Duty factor:	1:1



**Maximum location: X=2.00, Y=-5.00**

**SAR Peak: 0.68 W/kg**

<b>SAR 10g (W/Kg)</b>	0.198388
<b>SAR 1g (W/Kg)</b>	0.388194



## 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: 10/10/2019

Measurement duration: 22 minutes 04 seconds

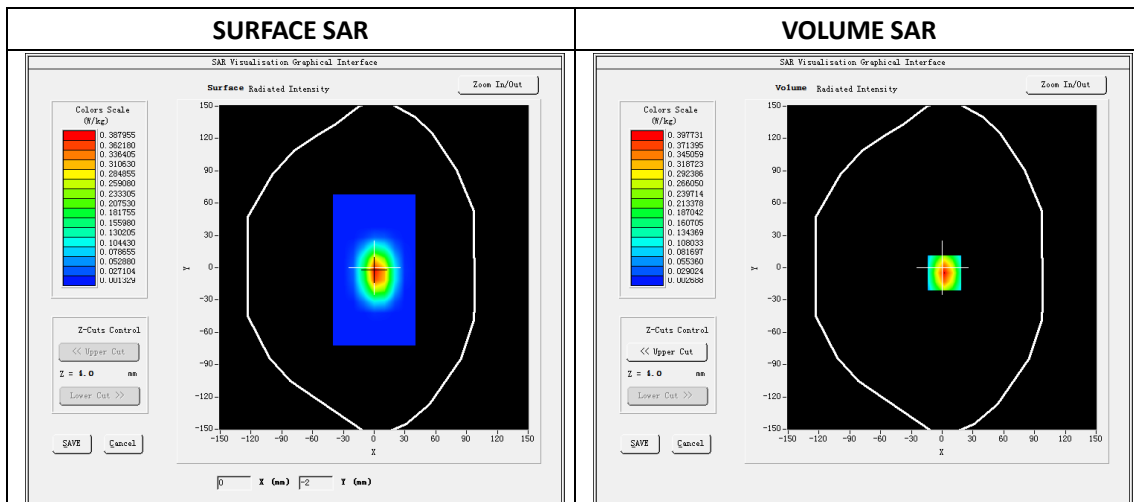
### A. Experimental conditions.

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

### B. SAR Measurement Results

#### Band SAR

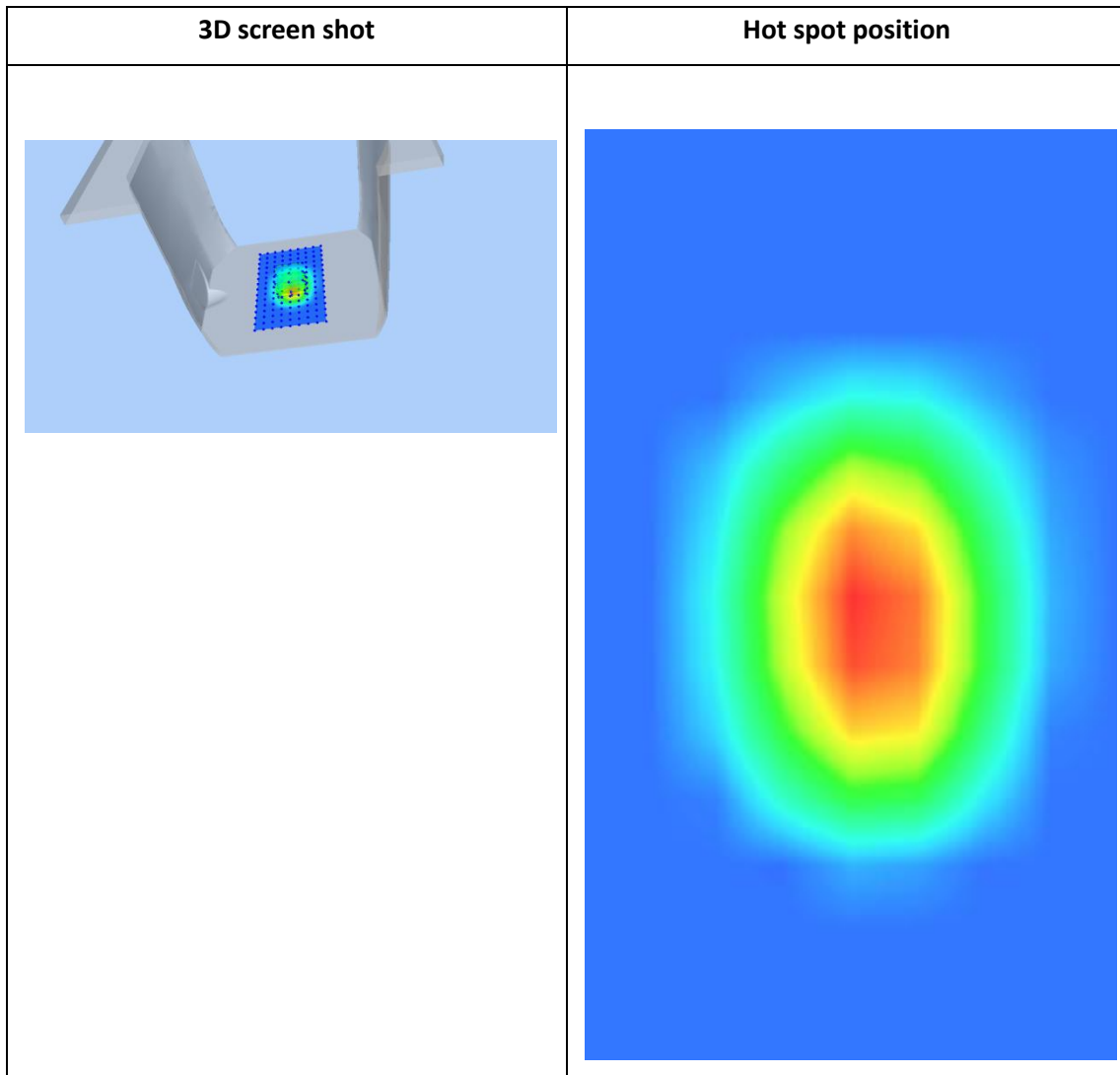
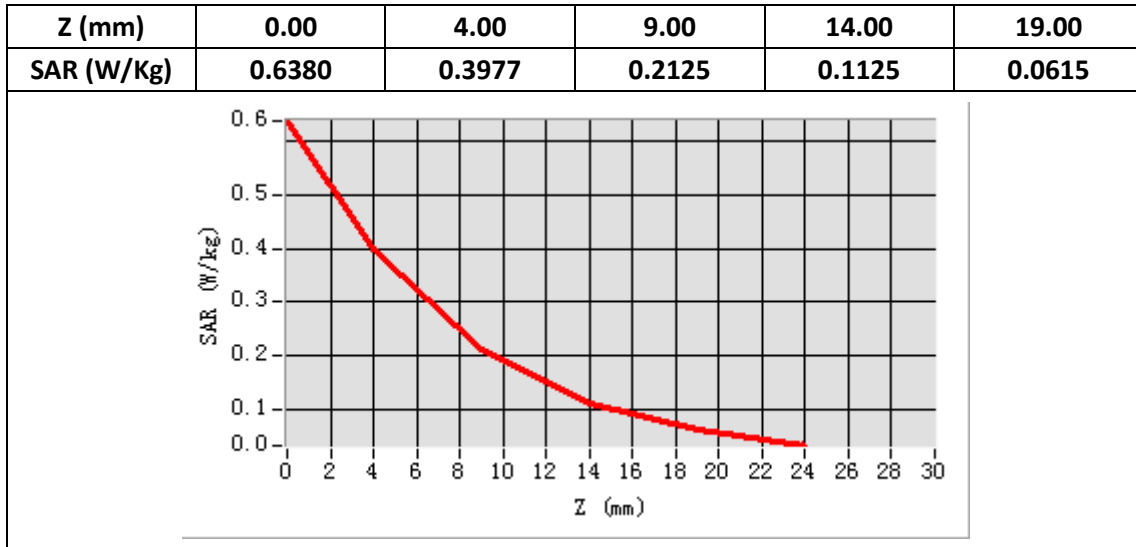
<b>E-Field Probe</b>	SATIMO SN_27/15_EPG0261
<b>Frequency (MHz)</b>	1800
<b>Relative permittivity (real part)</b>	53.81
<b>Relative permittivity</b>	15.50
<b>Conductivity (S/m)</b>	1.55
<b>Power Drift (%)</b>	-4.82
<b>Ambient Temperature:</b>	22.1°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	2.22
<b>Duty factor:</b>	1:1



**Maximum location: X=2.00, Y=-5.00**

**SAR Peak: 0.64 W/kg**

<b>SAR 10g (W/Kg)</b>	0.184073
<b>SAR 1g (W/Kg)</b>	0.369264



## 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: 10/11/2019  
 Measurement duration: 22 minutes 12 seconds

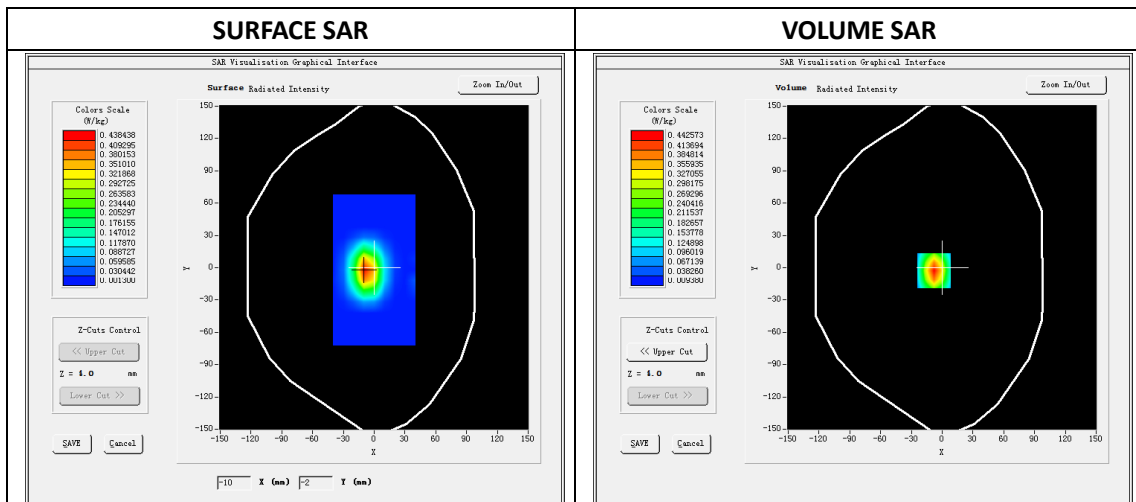
### A. Experimental conditions.

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

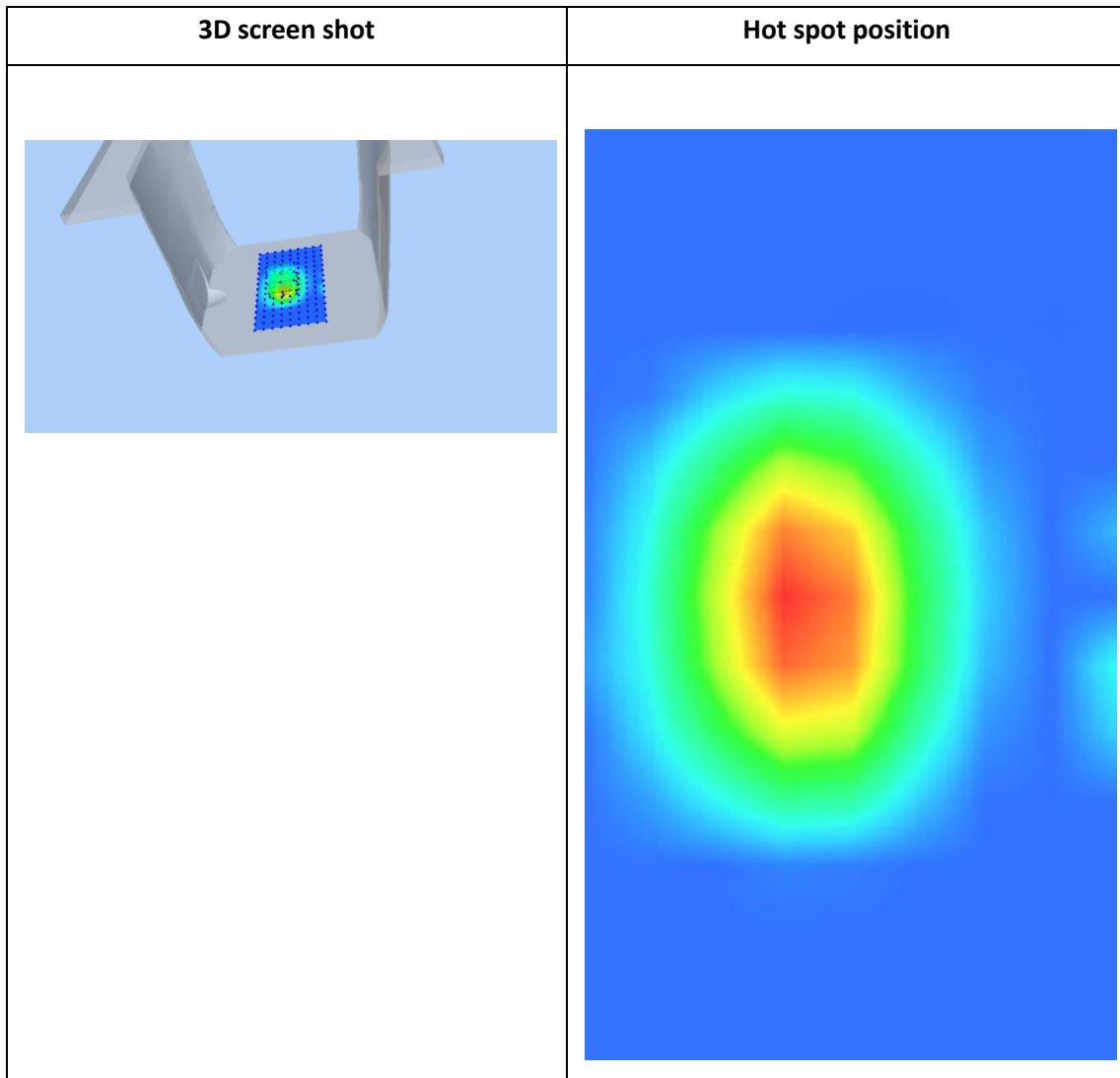
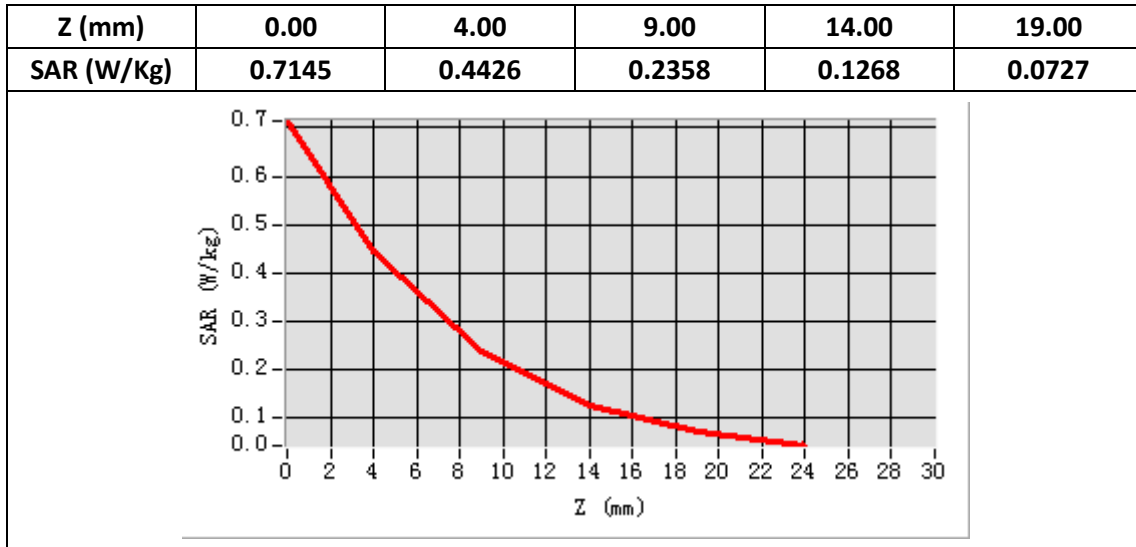
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1900
Relative permittivity (real part)	40.65
Relative permittivity	13.64
Conductivity (S/m)	1.44
Power Drift (%)	-4.22
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	2.34
Duty factor:	1:1



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

**SAR Peak: 0.71 W/kg**

SAR 10g (W/Kg)	0.202607
SAR 1g (W/Kg)	0.406335



## 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: 10/11/2019

Measurement duration: 22 minutes 14 seconds

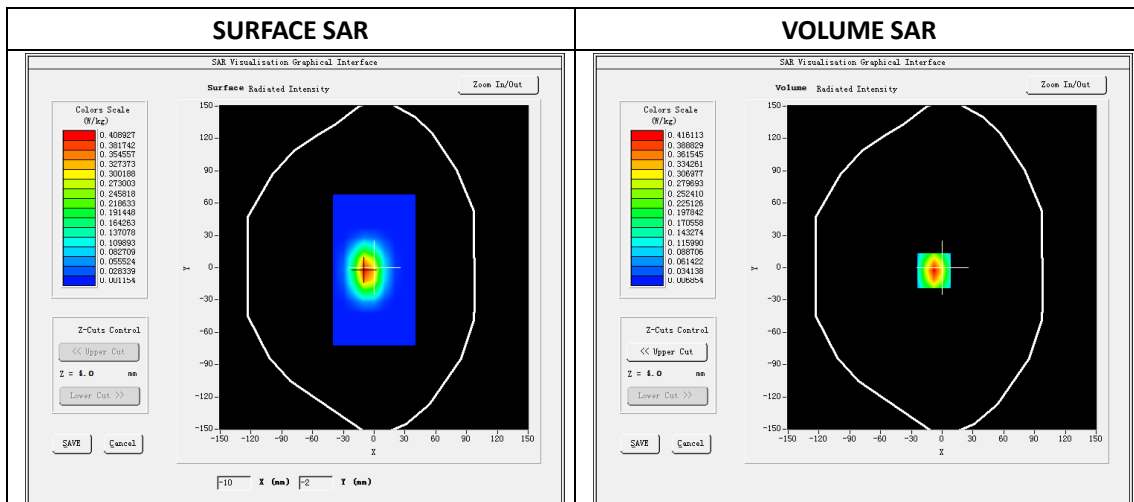
### A. Experimental conditions.

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

### B. SAR Measurement Results

#### Band SAR

<b>E-Field Probe</b>	SATIMO SN_27/15_EPG0261
<b>Frequency (MHz)</b>	1900
<b>Relative permittivity (real part)</b>	53.64
<b>Relative permittivity</b>	14.87
<b>Conductivity (S/m)</b>	1.57
<b>Power Drift (%)</b>	-2.69
<b>Ambient Temperature:</b>	22.1°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	2.39
<b>Duty factor:</b>	1:1

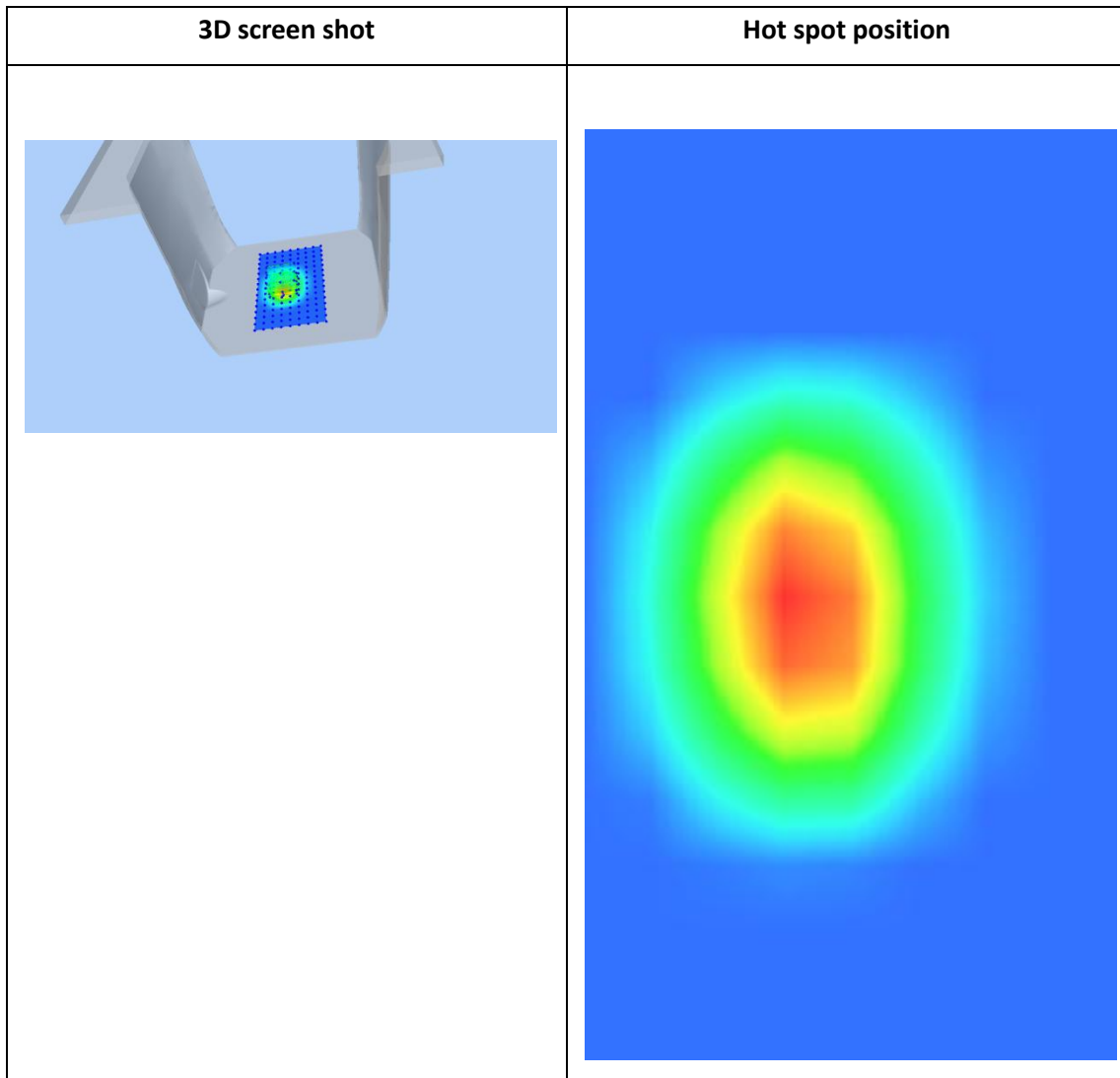
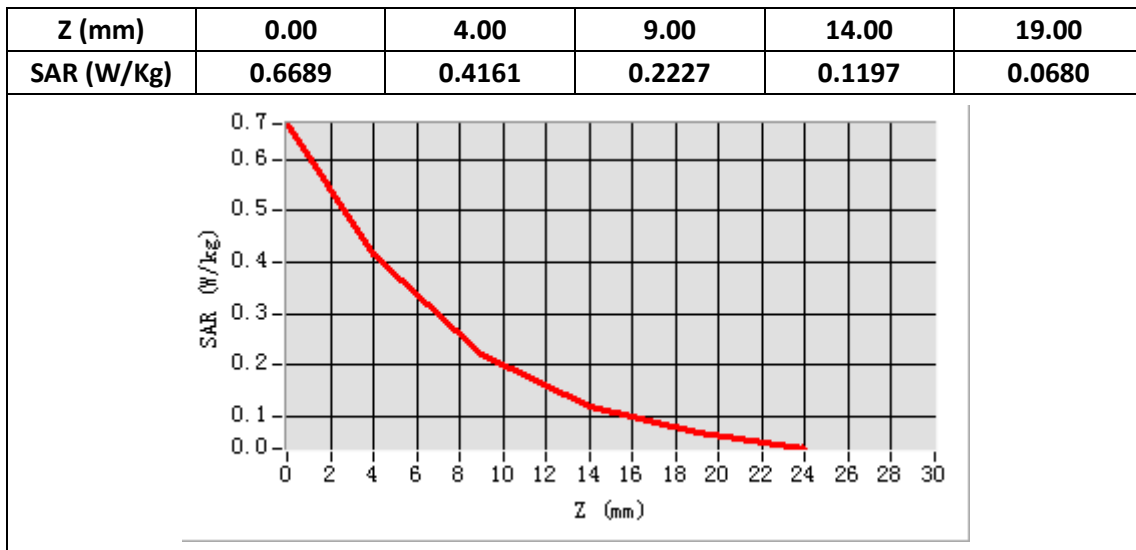


**Maximum location: X=-8.00, Y=-3.00**

**SAR Peak: 0.67 W/kg**

<b>SAR 10g (W/Kg)</b>	0.190424
<b>SAR 1g (W/Kg)</b>	0.380621





## 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: 10/12/2019

Measurement duration: 22 minutes 11 seconds

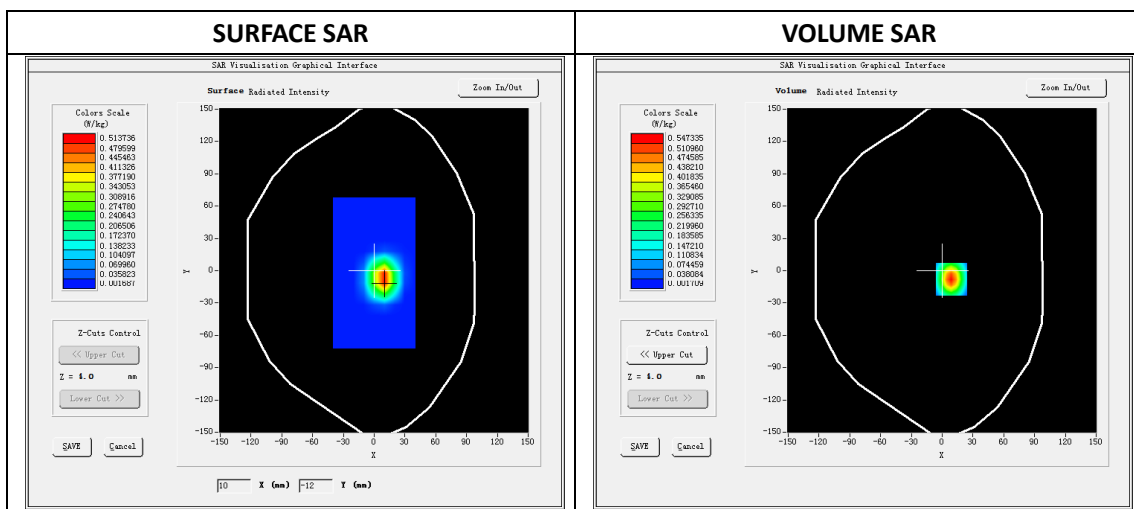
### A. Experimental conditions.

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

### B. SAR Measurement Results

#### Band SAR

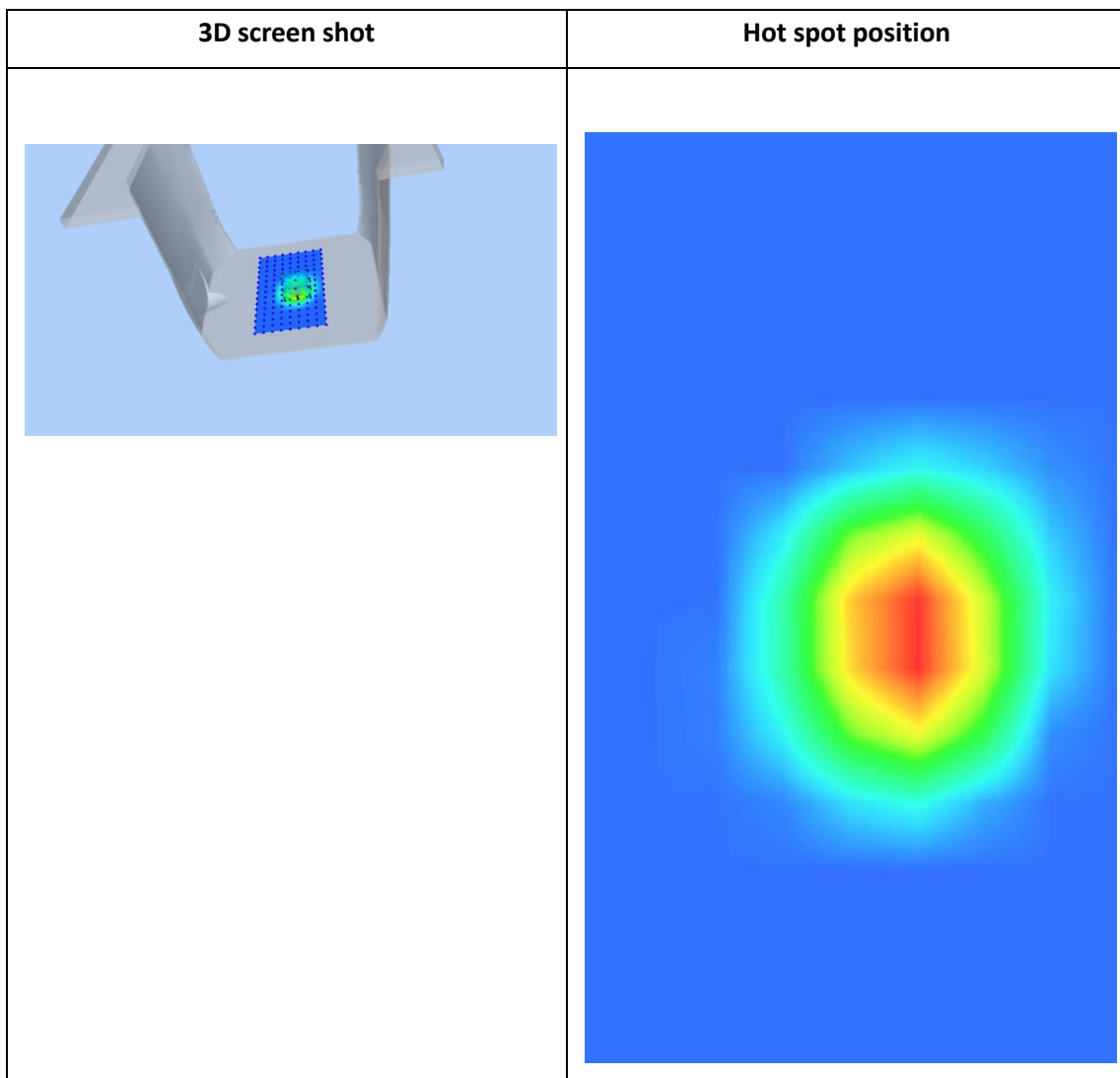
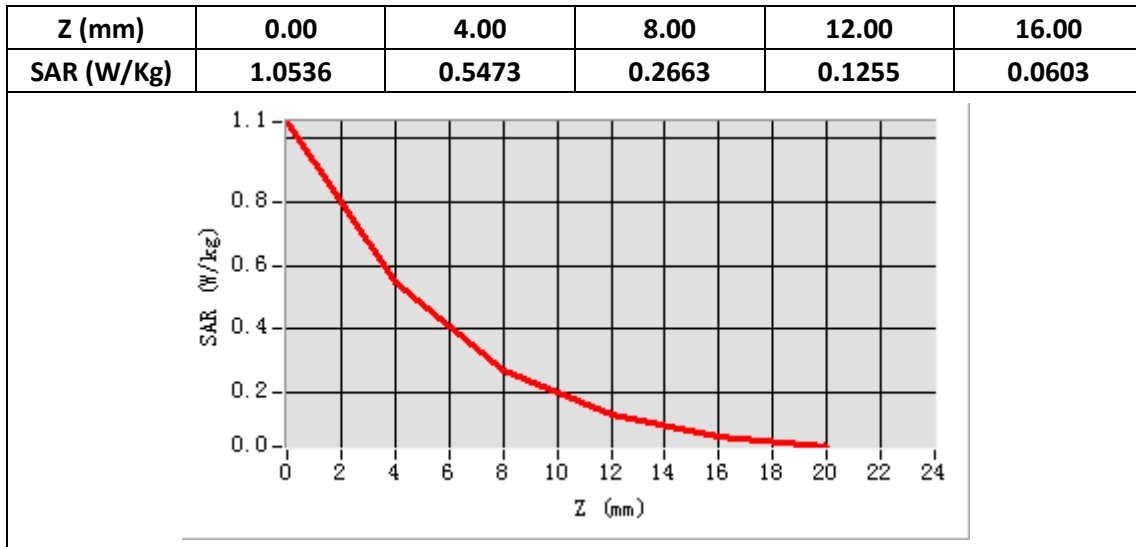
<b>E-Field Probe</b>	SATIMO SN_27/15_EPG0261
<b>Frequency (MHz)</b>	2450
<b>Relative permittivity (real part)</b>	39.69
<b>Relative permittivity</b>	13.37
<b>Conductivity (S/m)</b>	1.82
<b>Power Drift (%)</b>	-1.90
<b>Ambient Temperature:</b>	22.1°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	2.37
<b>Duty factor:</b>	1:1



**Maximum location: X=9.00, Y=-8.00**

**SAR Peak: 1.05 W/kg**

<b>SAR 10g (W/Kg)</b>	0.203420
<b>SAR 1g (W/Kg)</b>	0.493483



## 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: 10/12/2019

Measurement duration: 22 minutes 17 seconds

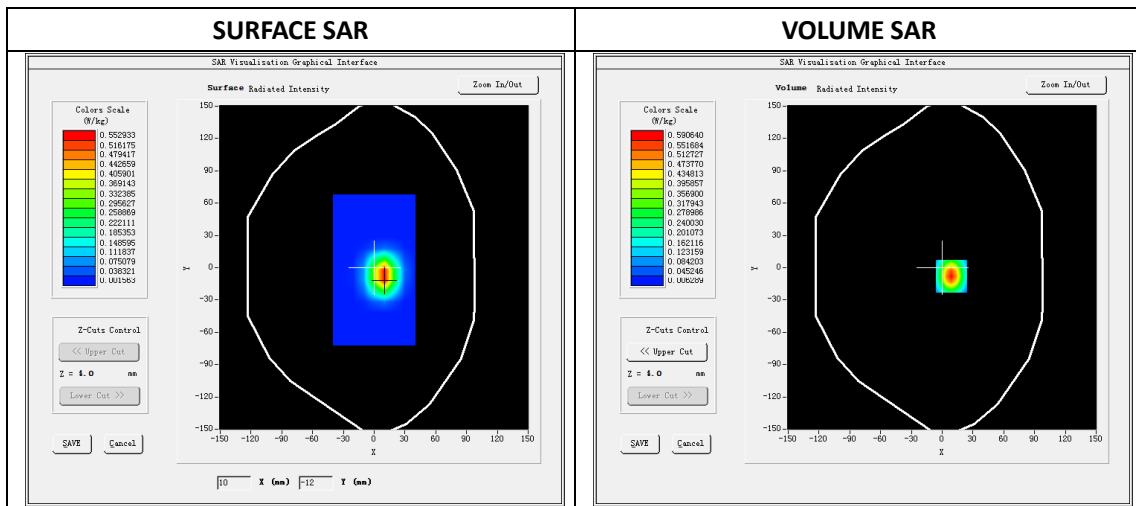
### A. Experimental conditions.

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

### B. SAR Measurement Results

#### Band SAR

<b>E-Field Probe</b>	SATIMO SN_27/15_EPG0261
<b>Frequency (MHz)</b>	2450
<b>Relative permittivity (real part)</b>	53.18
<b>Relative permittivity</b>	14.47
<b>Conductivity (S/m)</b>	1.97
<b>Power Drift (%)</b>	2.00
<b>Ambient Temperature:</b>	22.1°C
<b>Liquid Temperature:</b>	22.6°C
<b>ConvF:</b>	2.46
<b>Duty factor:</b>	1:1

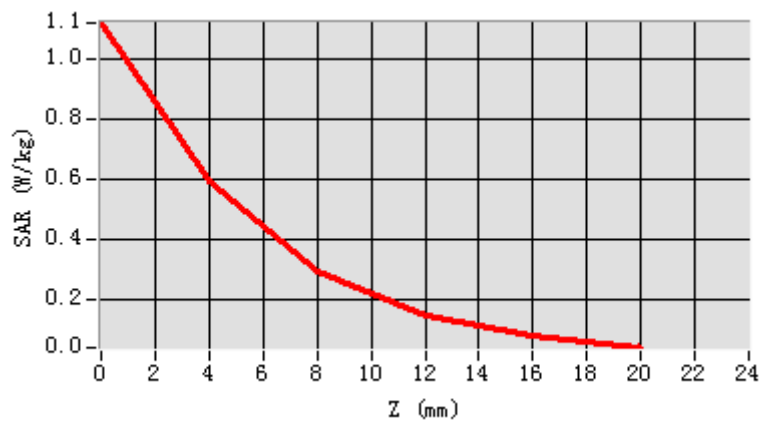


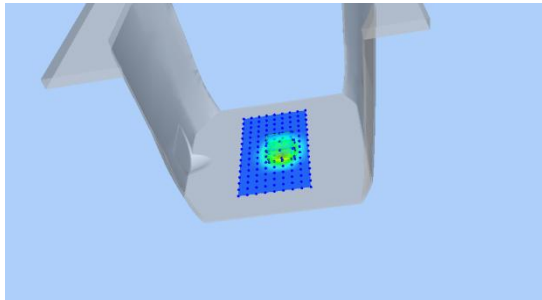
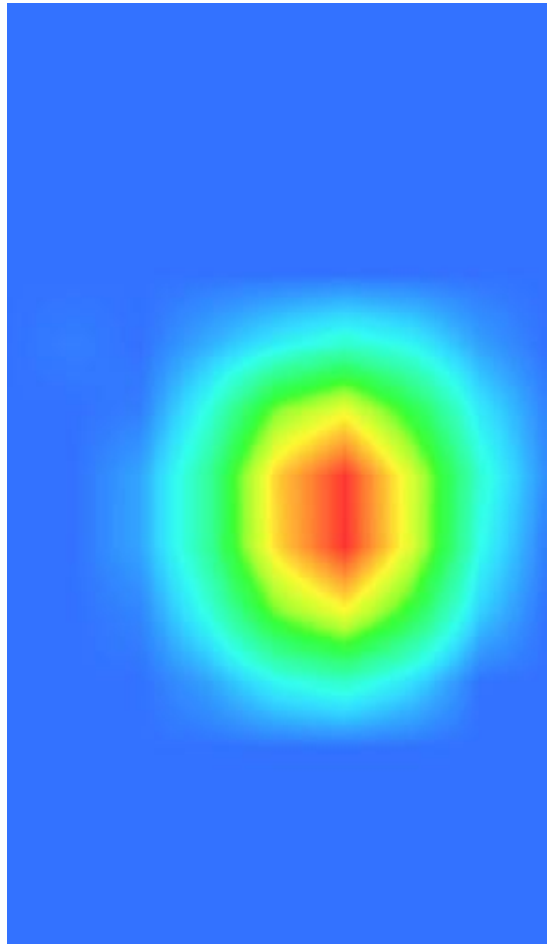
**Maximum location: X=9.00, Y=-8.00**

**SAR Peak: 1.11 W/kg**

<b>SAR 10g (W/Kg)</b>	0.230579
<b>SAR 1g (W/Kg)</b>	0.531307

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.1161	0.5906	0.2974	0.1495	0.0803



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: 10/14/2019

Measurement duration: 22 minutes 19 seconds

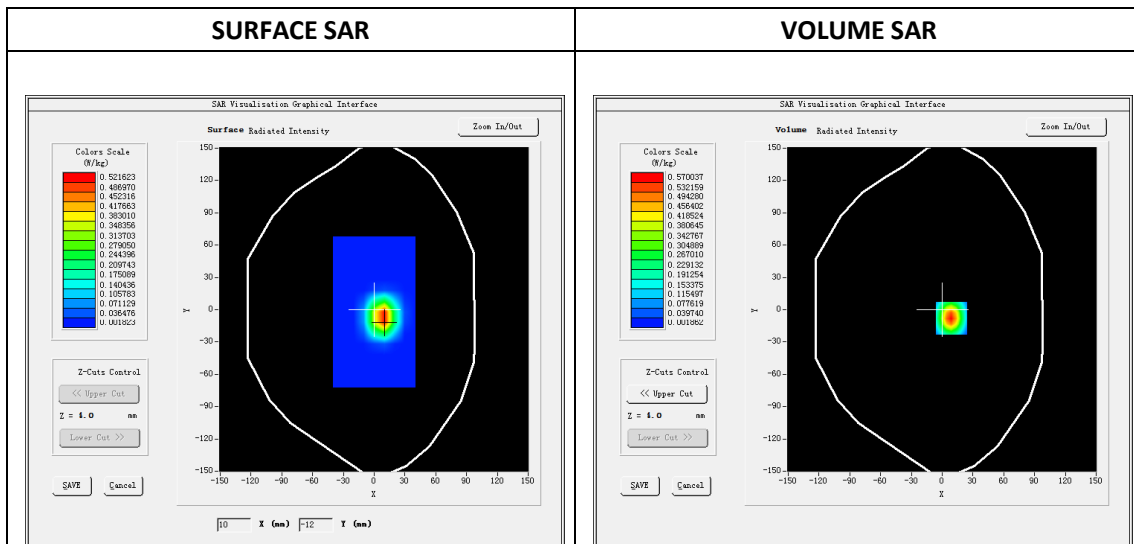
### A. Experimental conditions.

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

### B. SAR Measurement Results

#### Band SAR

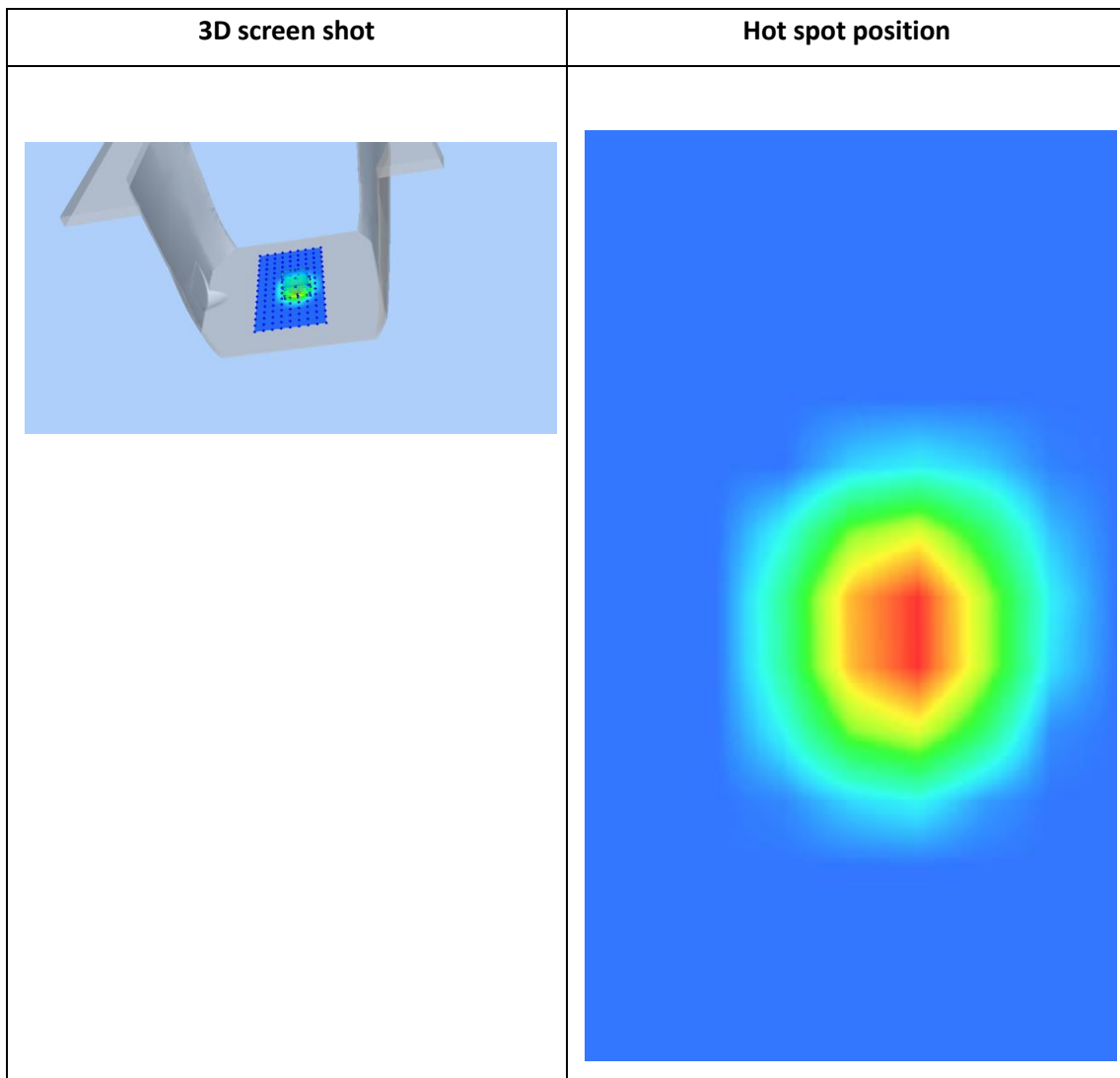
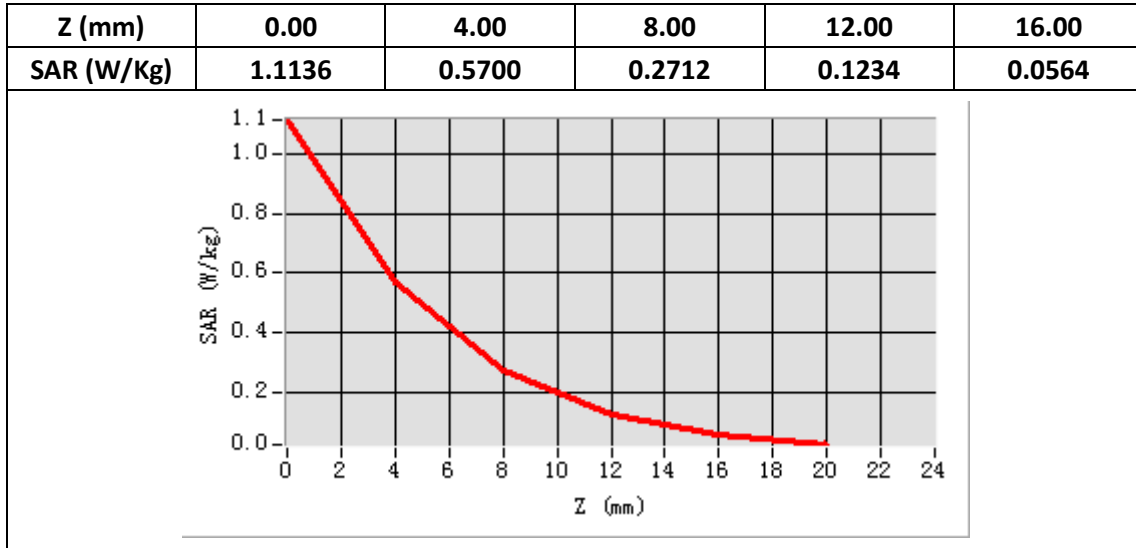
<b>E-Field Probe</b>	SATIMO SN_27/15_EPG0261
<b>Frequency (MHz)</b>	2600
<b>Relative permittivity (real part)</b>	39.47
<b>Relative permittivity</b>	13.64
<b>Conductivity (S/m)</b>	1.97
<b>Power drift (%)</b>	0.42
<b>Ambient Temperature:</b>	22.2°C
<b>Liquid Temperature:</b>	22.5°C
<b>Crest factor:</b>	1:1
<b>ConvF:</b>	2.35



**Maximum location: X=9.00, Y=-8.00**

**SAR Peak: 1.11 W/kg**

<b>SAR 10g (W/Kg)</b>	0.208274
<b>SAR 1g (W/Kg)</b>	0.510532



## 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: 10/14/2019

Measurement duration: 22 minutes 21 seconds

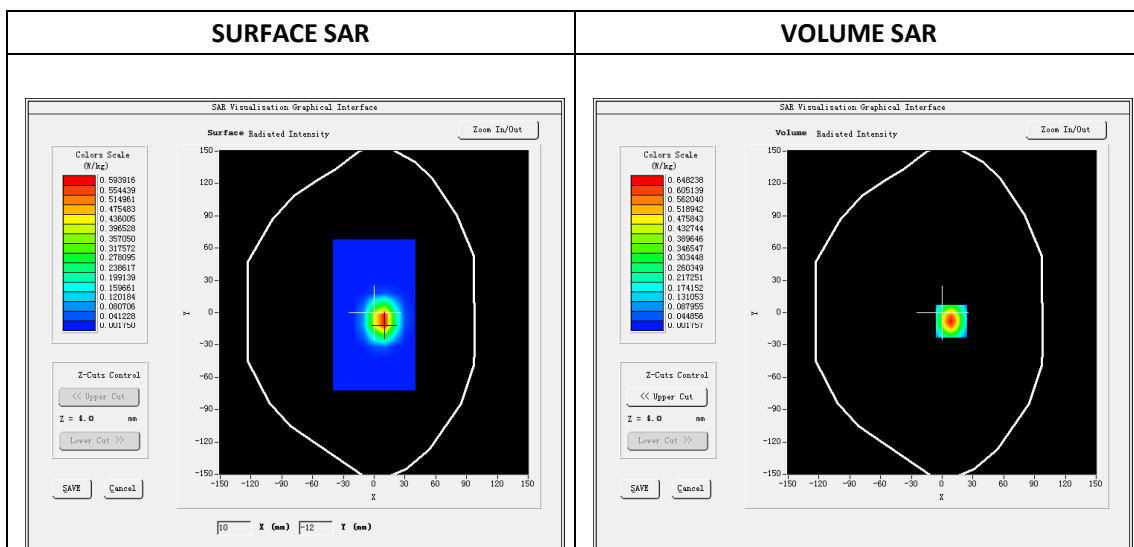
### A. Experimental conditions.

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)	52.92
Relative permittivity	15.02
Conductivity (S/m)	2.17
Power drift (%)	4.49
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.43

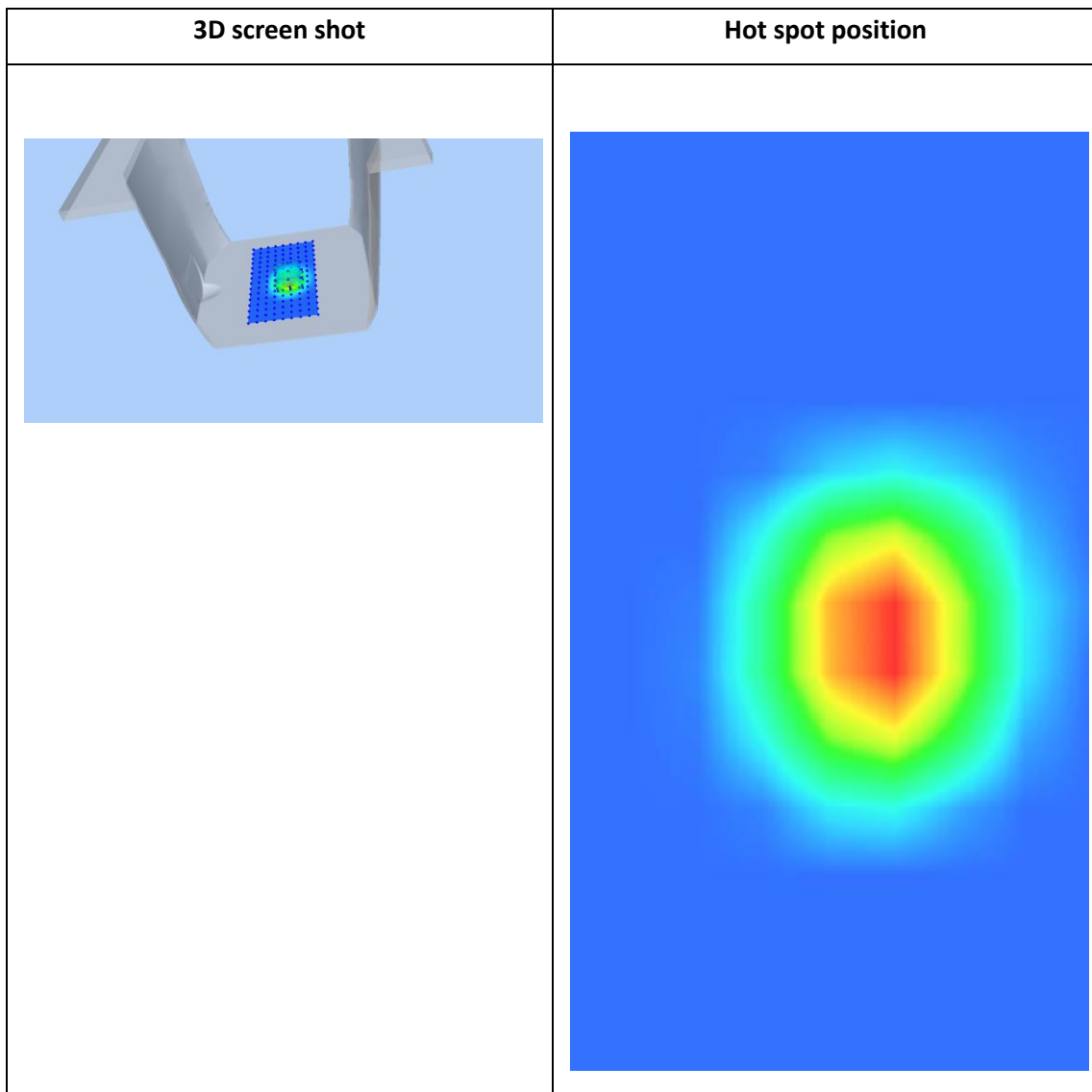
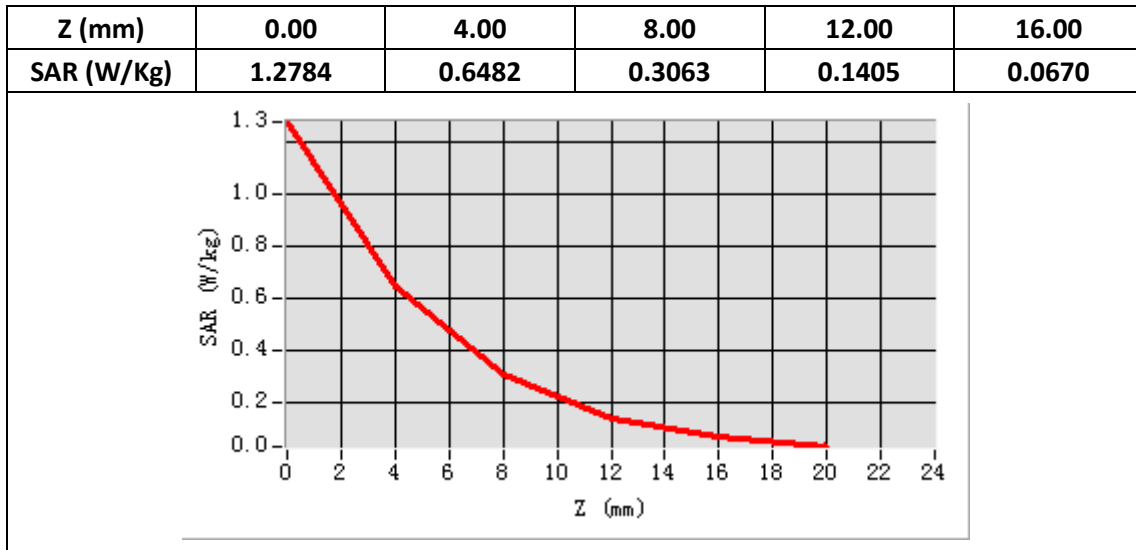


Maximum location: X=9.00, Y=-8.00

SAR Peak: 1.28 W/kg

SAR 10g (W/Kg)	0.241311
SAR 1g (W/Kg)	0.588217





## 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: 10/15/2019

Measurement duration: 22 minutes 25 seconds

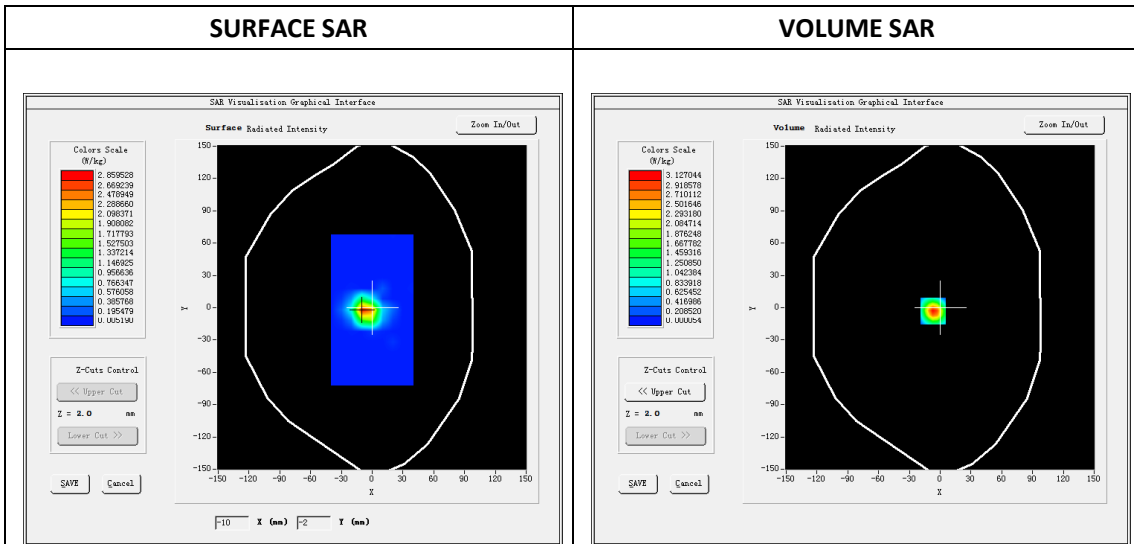
### A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	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)	36.46
Relative permittivity	16.17
Conductivity (S/m)	4.67
Power drift (%)	-2.03
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.15

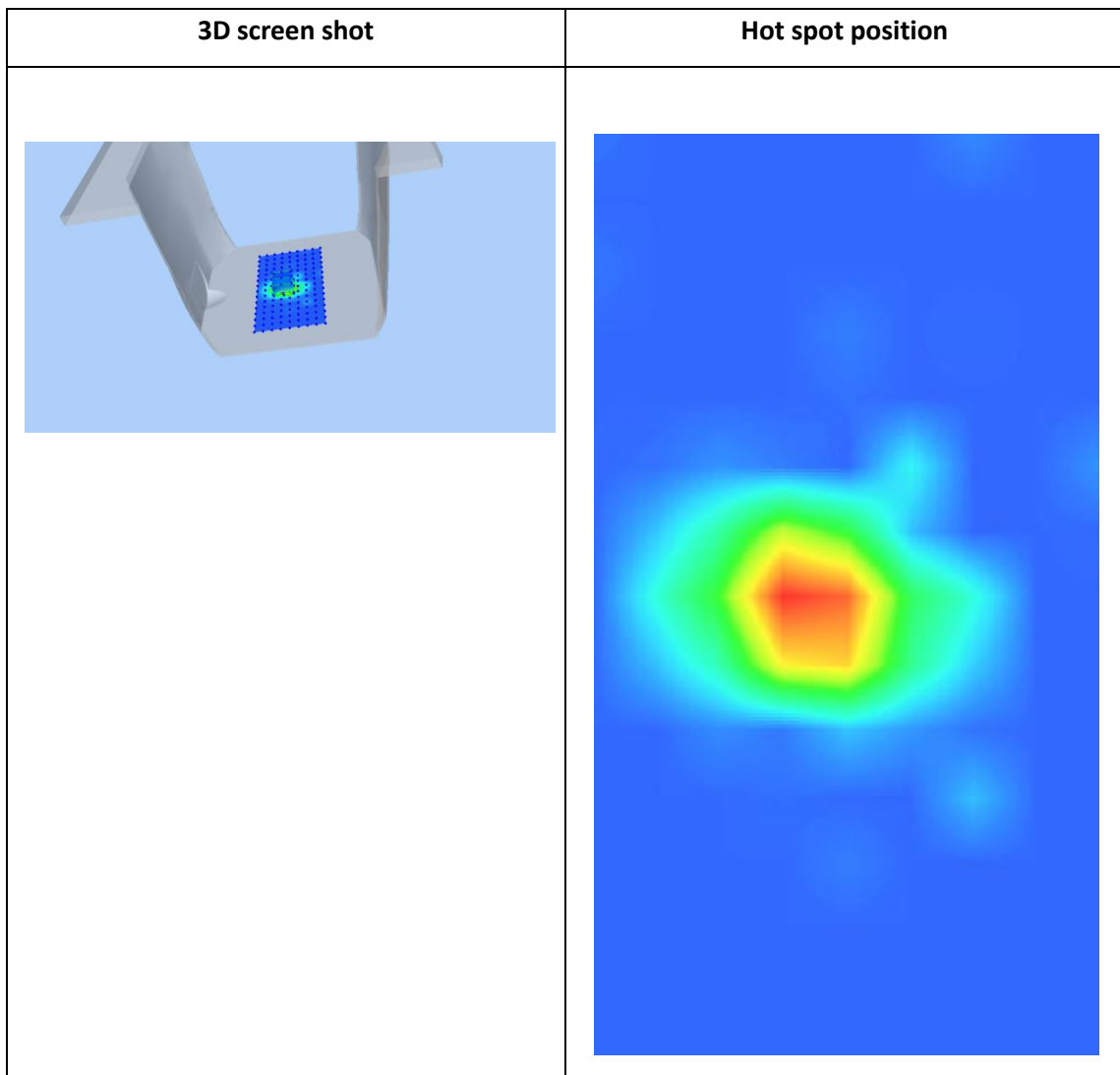
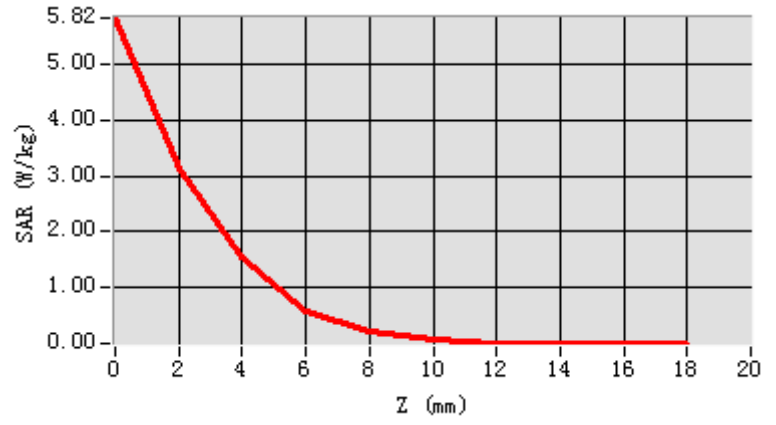


**Maximum location: X=-7.00, Y=-3.00**

**SAR Peak: 6.01W/kg**

SAR 10g (W/Kg)	0.406704
SAR 1g (W/Kg)	1.598093

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	5.8213	3.1270	1.5377	0.5844	0.2240	0.0718	0.0120	0.0019	0.0016



## 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: 10/15/2019

Measurement duration: 22 minutes 21 seconds

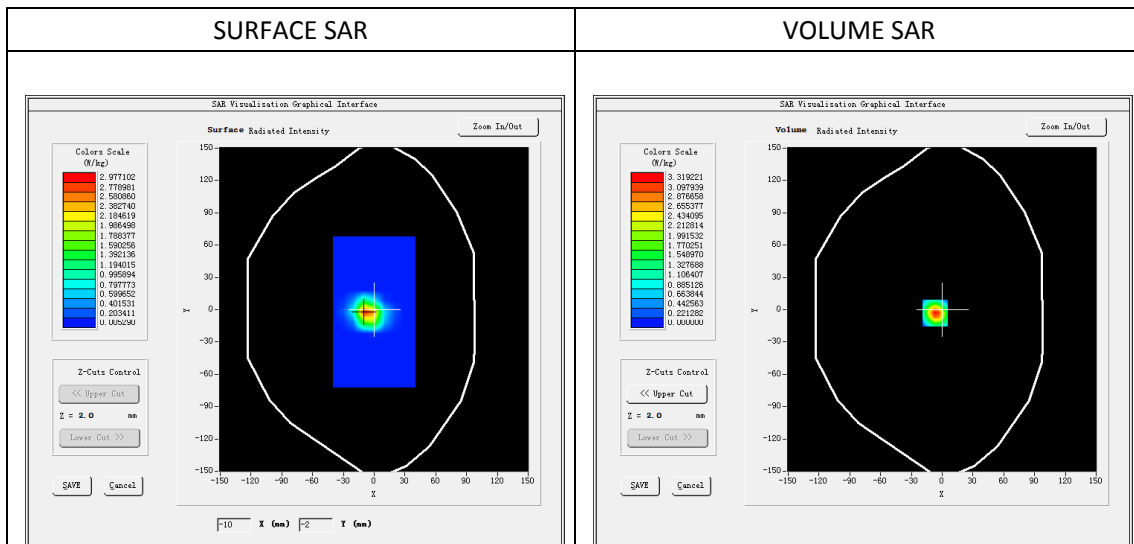
### A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	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)	49.46
Relative permittivity	18.38
Conductivity (S/m)	5.31
Power drift (%)	3.69
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.21

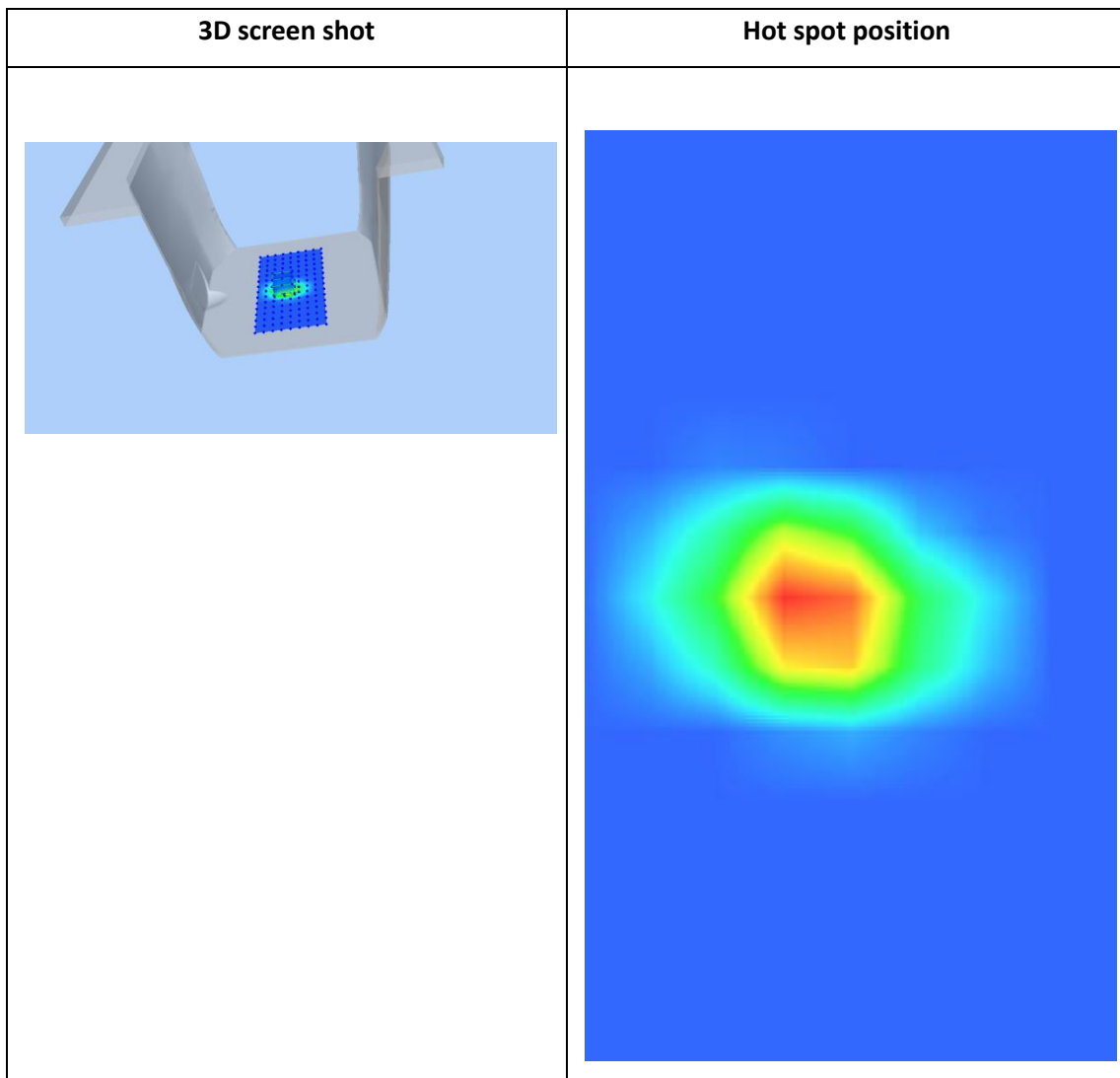
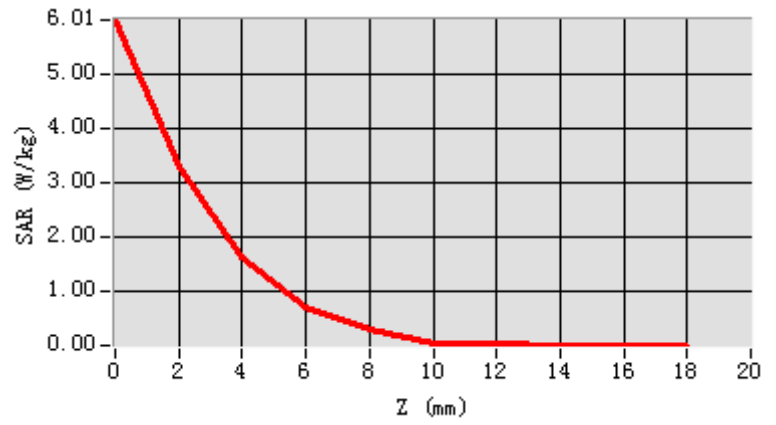


Maximum location: X=-7.00, Y=-3.00

SAR Peak: 6.38 W/kg

SAR 10g (W/Kg)	0.437398
SAR 1g (W/Kg)	1.724308

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	6.0140	3.3192	1.6323	0.7163	0.2859	0.0376	0.0220	0.0003	0.0026



## 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: 10/16/2019

Measurement duration: 22 minutes 27 seconds

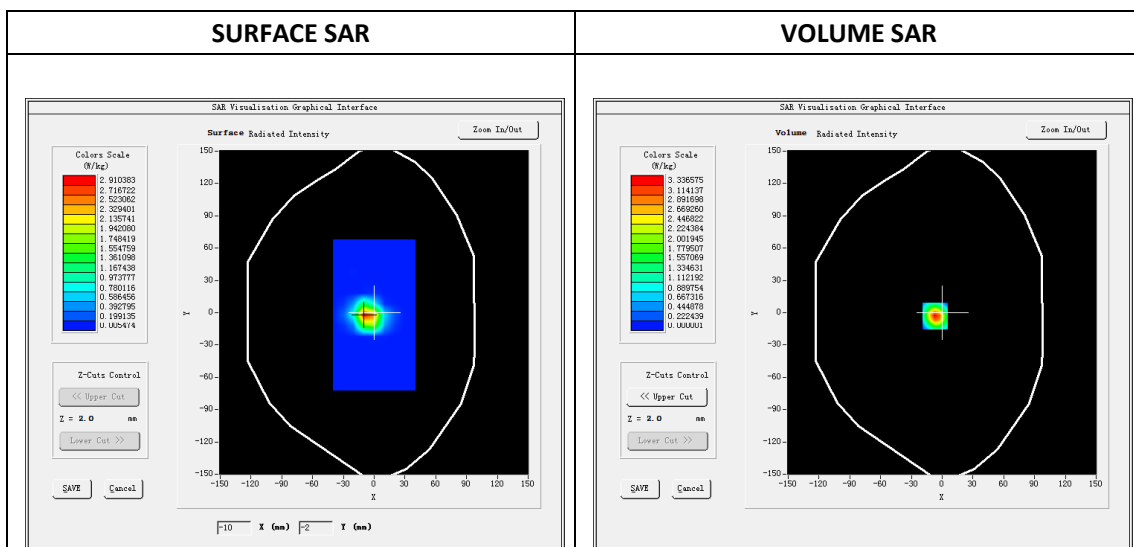
### A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	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)	36.19
Relative permittivity	16.33
Conductivity (S/m)	4.90
Power drift (%)	-1.59
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.10

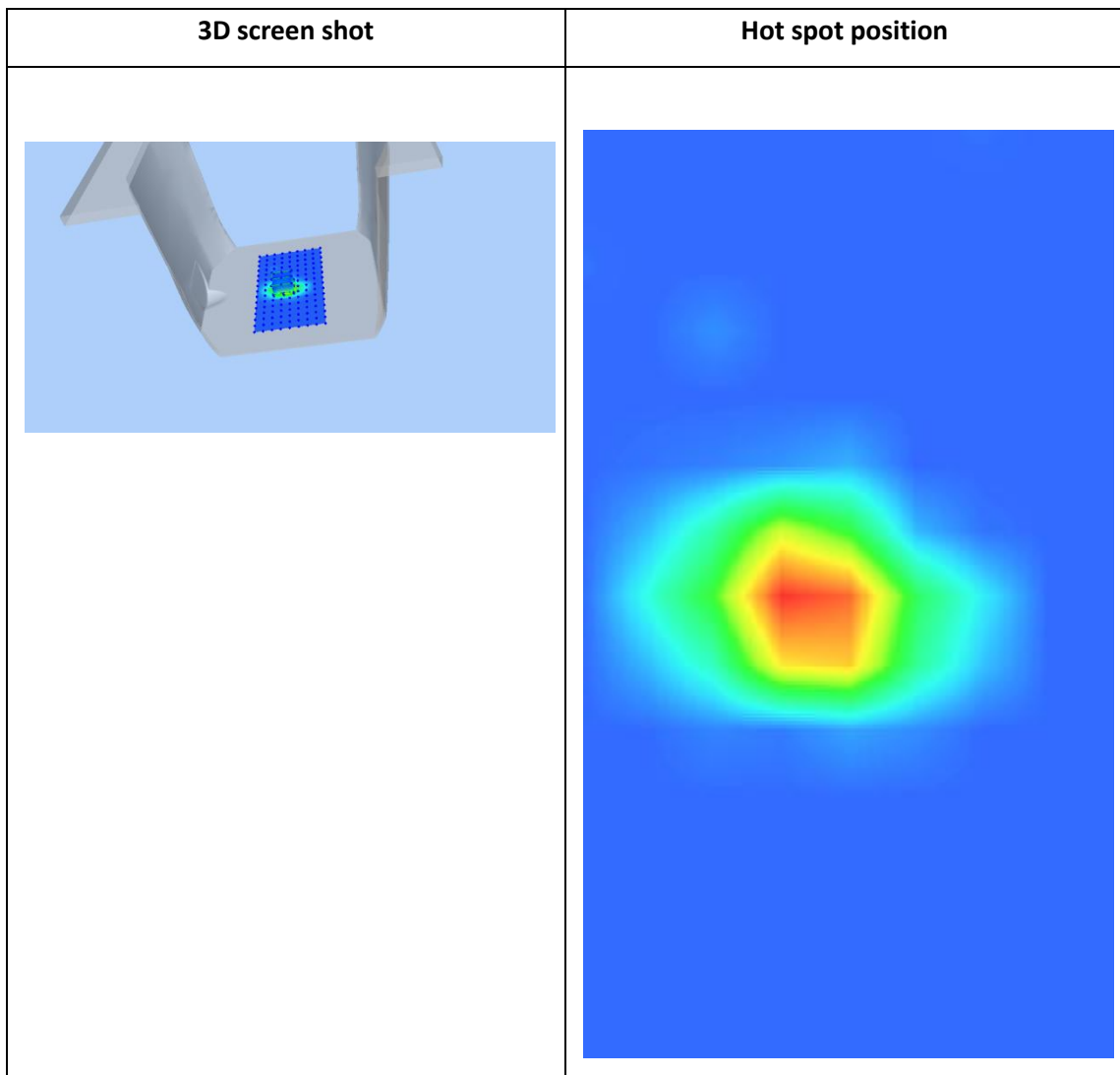
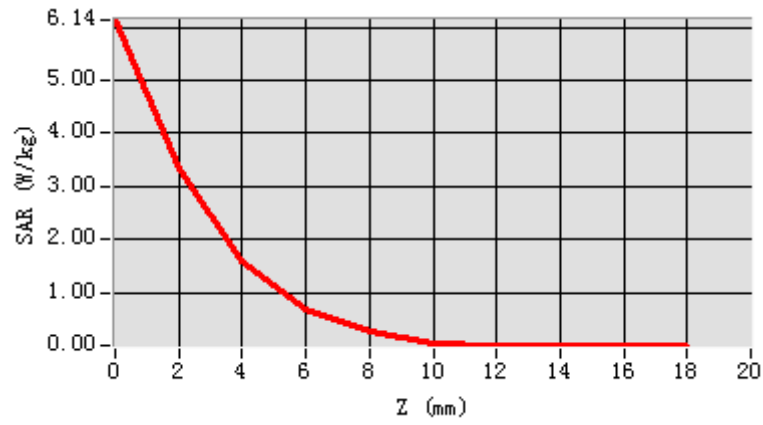


Maximum location: X=-7.00, Y=-3.00

SAR Peak: 6.50W/kg

SAR 10g (W/Kg)	0.423982
SAR 1g (W/Kg)	1.694637

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	6.1418	3.3366	1.6066	0.6830	0.2604	0.0522	0.0098	0.0018	0.0056



## 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: 10/16/2019

Measurement duration: 22 minutes 23 seconds

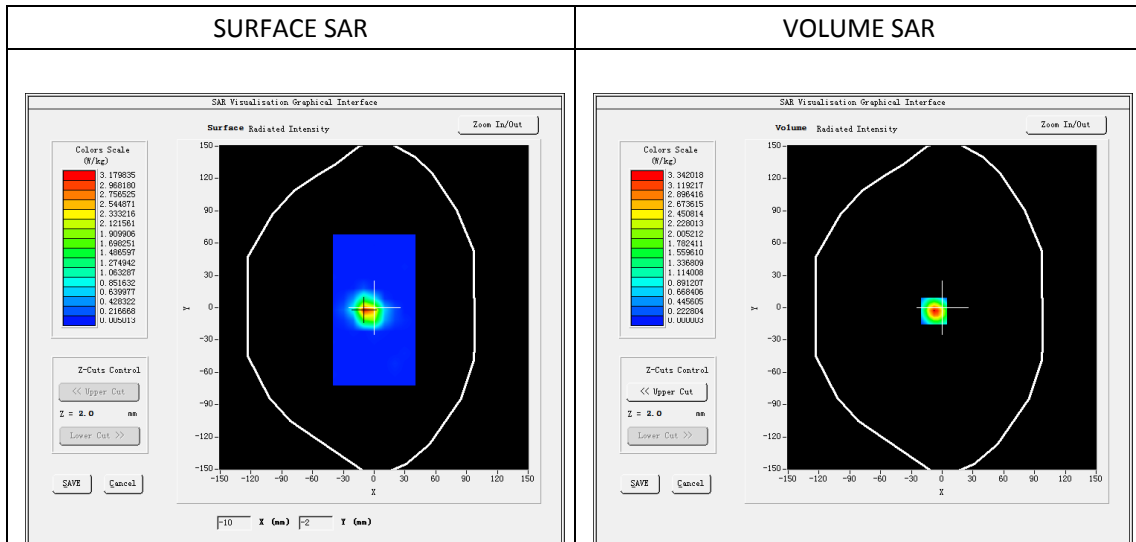
### A. Experimental conditions.

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

### B. SAR Measurement Results

#### Band SAR

<b>E-Field Probe</b>	SATIMO SN_27/15_EPG0261
<b>Frequency (MHz)</b>	5400
<b>Relative permittivity (real part)</b>	49.11
<b>Relative permittivity</b>	18.73
<b>Conductivity (S/m)</b>	5.62
<b>Power drift (%)</b>	-2.16
<b>Ambient Temperature:</b>	22.2°C
<b>Liquid Temperature:</b>	22.5°C
<b>Crest factor:</b>	1:1
<b>ConvF:</b>	2.16



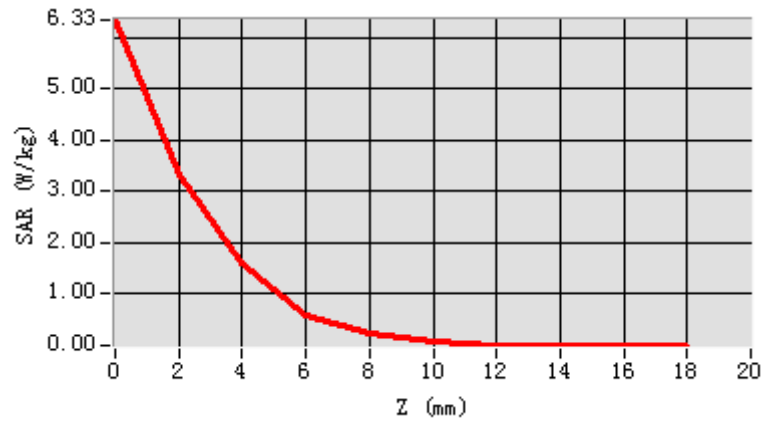
**Maximum location: X=-8.00, Y=-3.00**

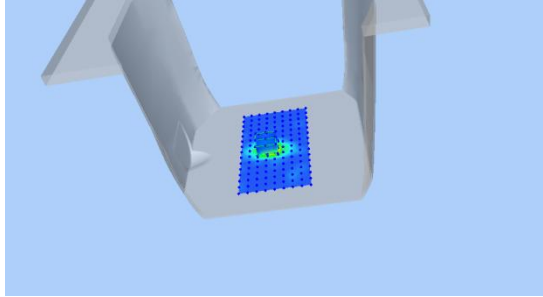
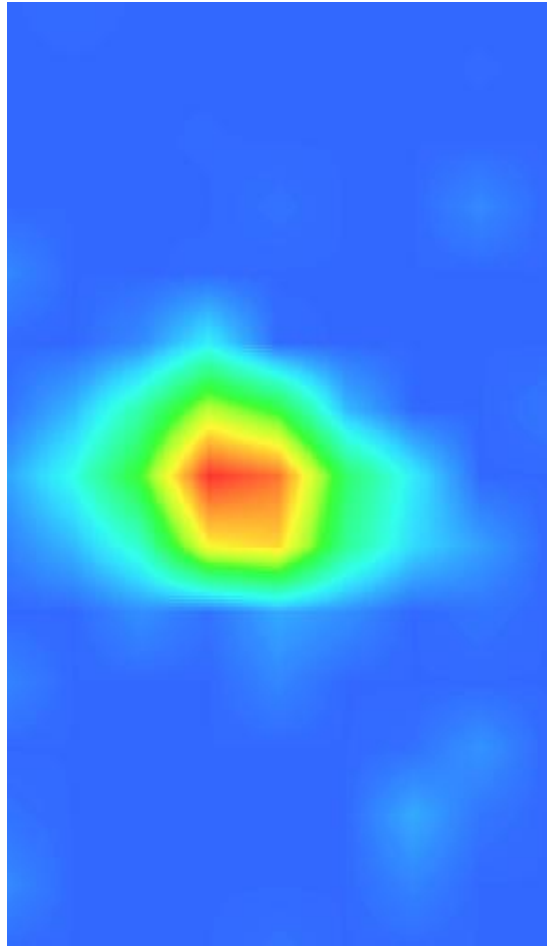
**SAR Peak: 6.57 W/kg**

<b>SAR 10g (W/Kg)</b>	0.423855
<b>SAR 1g (W/Kg)</b>	1.717692



Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	6.3343	3.3420	1.6058	0.5694	0.2207	0.0706	0.0000	0.0002	0.0016



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: 10/17/2019

Measurement duration: 22 minutes 29 seconds

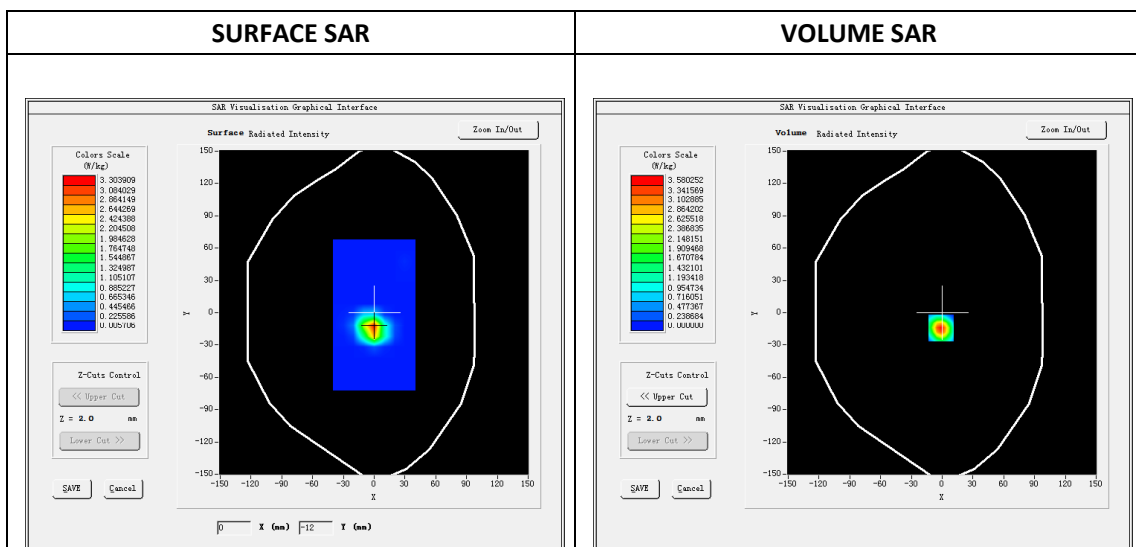
### A. Experimental conditions.

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

### B. SAR Measurement Results

#### Band SAR

<b>E-Field Probe</b>	SATIMO SN_27/15_EPG0261
<b>Frequency (MHz)</b>	5600
<b>Relative permittivity (real part)</b>	35.80
<b>Relative permittivity</b>	16.91
<b>Conductivity (S/m)</b>	5.26
<b>Power drift (%)</b>	-1.94
<b>Ambient Temperature:</b>	22.2°C
<b>Liquid Temperature:</b>	22.5°C
<b>Crest factor:</b>	1:1
<b>ConvF:</b>	2.17

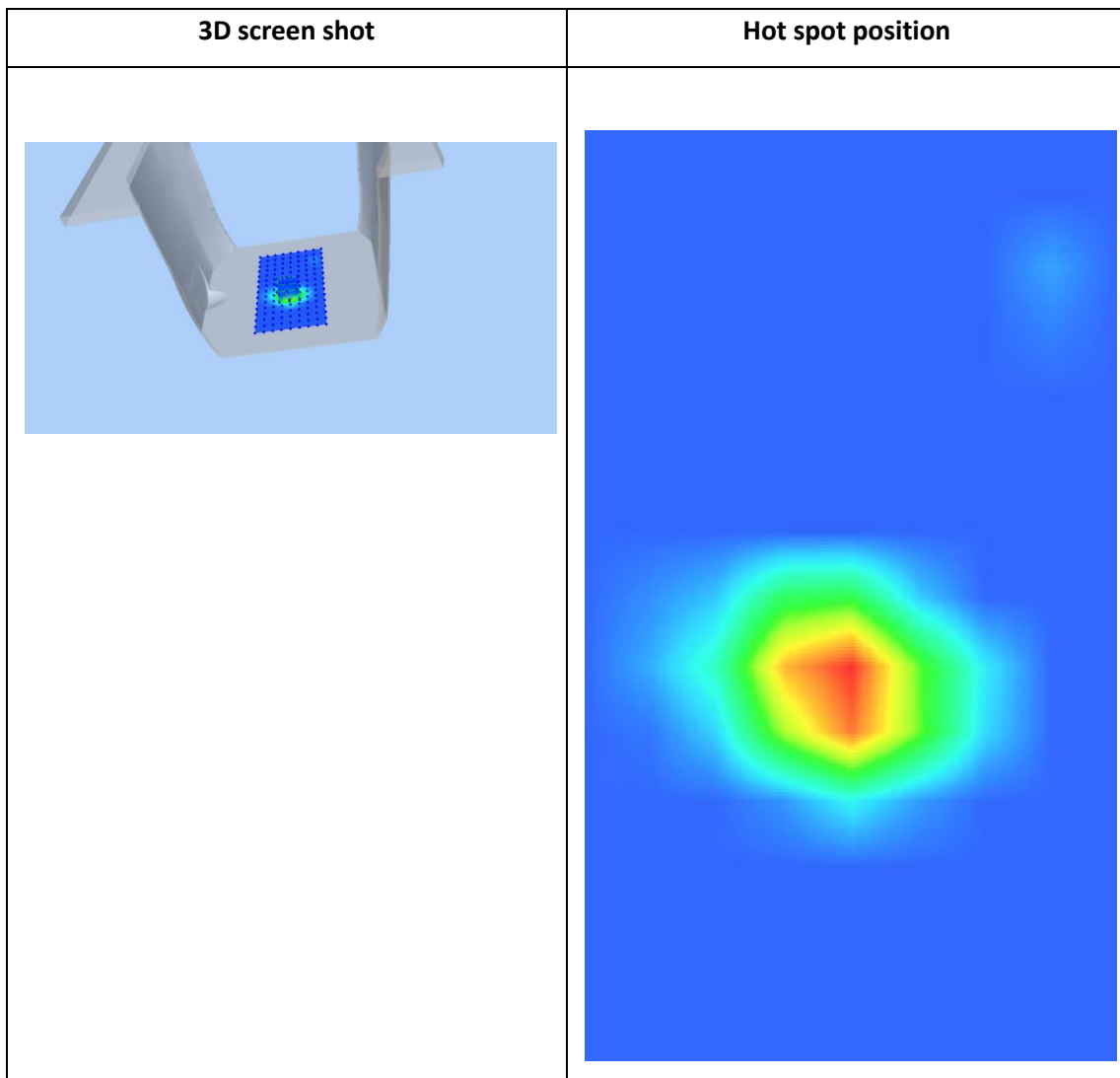
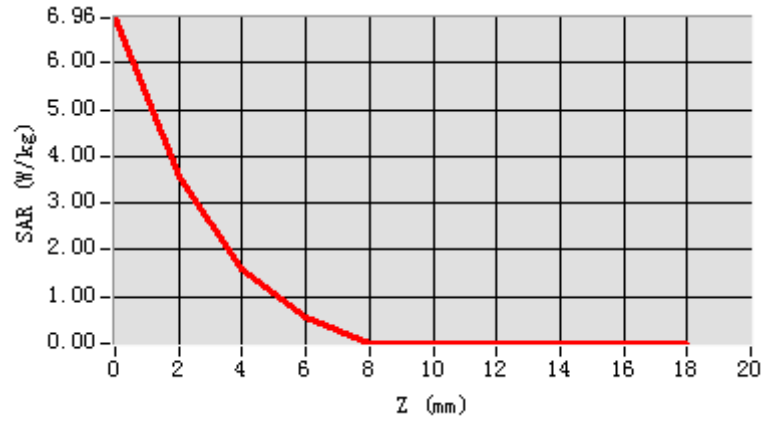


**Maximum location: X=-1.00, Y=-14.00**

**SAR Peak: 7.34W/kg**

<b>SAR 10g (W/Kg)</b>	0.419193
<b>SAR 1g (W/Kg)</b>	1.791524

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	6.9623	3.5803	1.6021	0.5539	0.0156	0.0180	0.0000	0.0005	0.0057



## 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: 10/17/2019

Measurement duration: 22 minutes 30 seconds

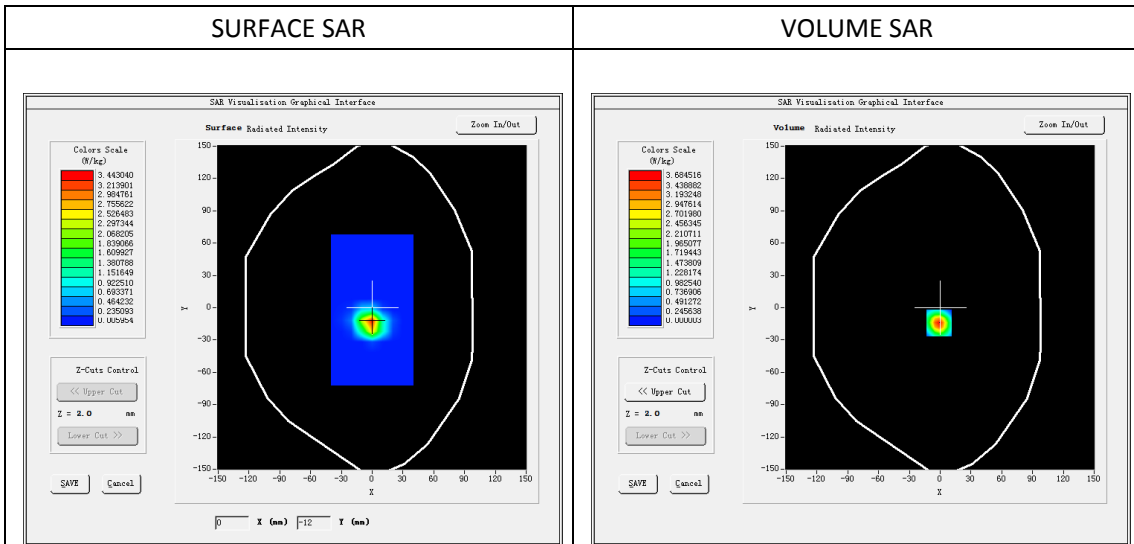
### A. Experimental conditions.

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)	48.79
Relative permittivity	18.64
Conductivity (S/m)	5.80
Power drift (%)	-2.45
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.24

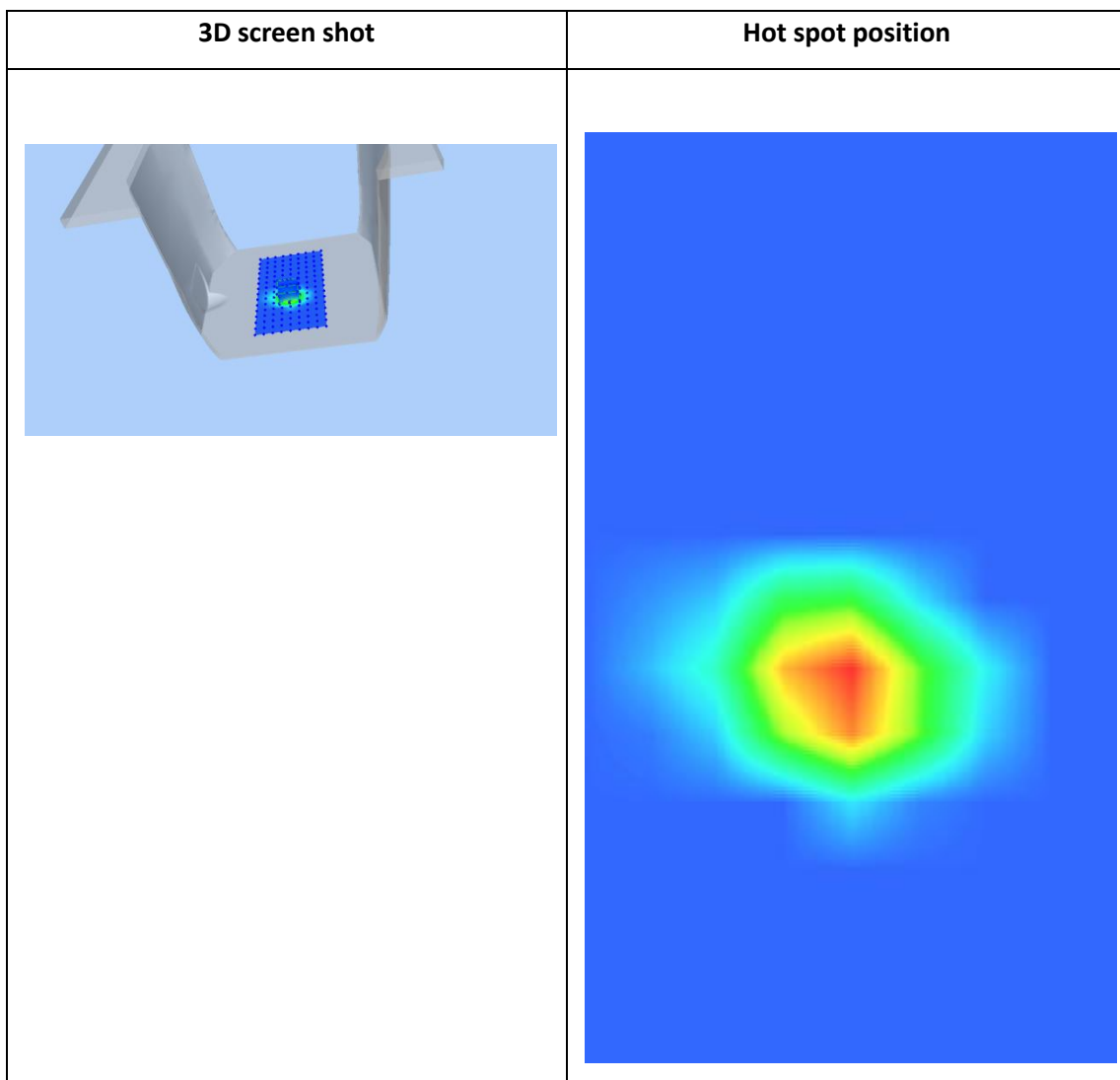
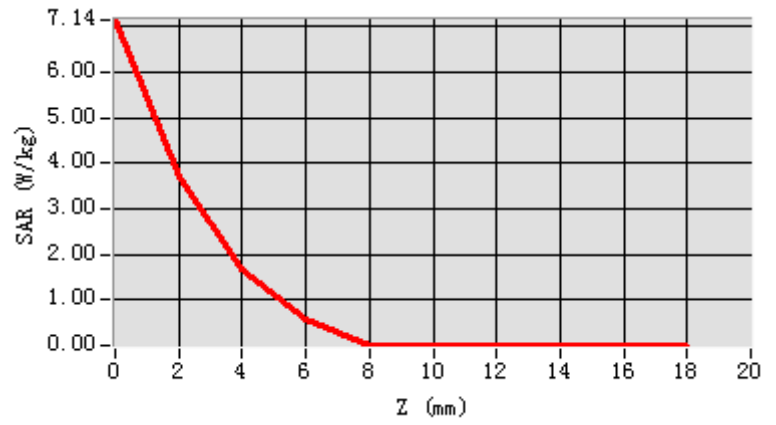


Maximum location: X=-1.00, Y=-14.00

SAR Peak: 7.51 W/kg

SAR 10g (W/Kg)	0.428285
SAR 1g (W/Kg)	1.838735

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	7.1385	3.6845	1.6542	0.5710	0.0161	0.0009	0.0003	0.0004	0.0061



## 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: 10/18/2019

Measurement duration: 22 minutes 32 seconds

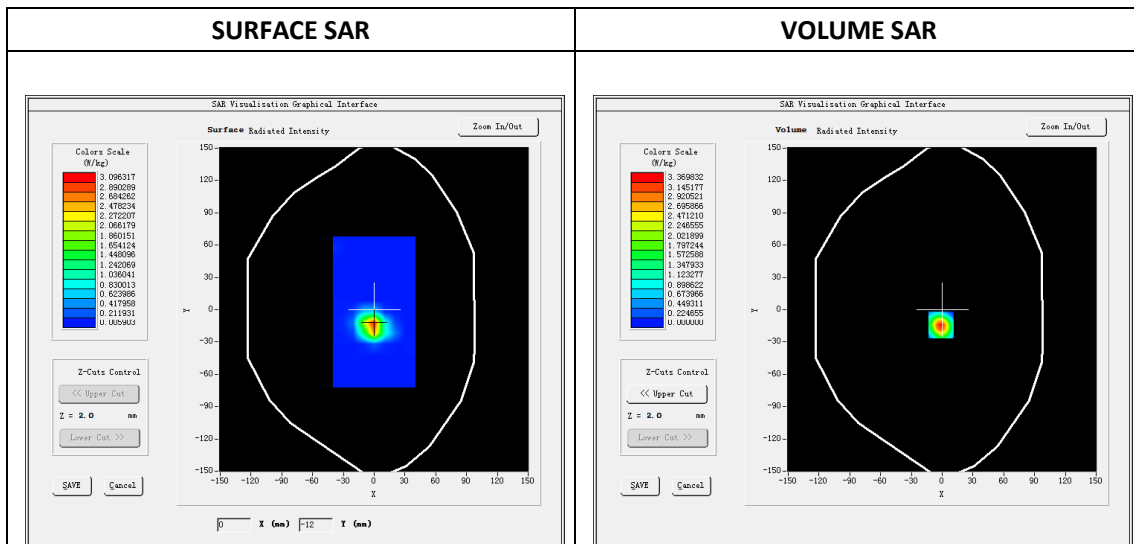
### A. Experimental conditions.

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)	35.57
Relative permittivity	16.76
Conductivity (S/m)	5.40
Power drift (%)	-4.33
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.19

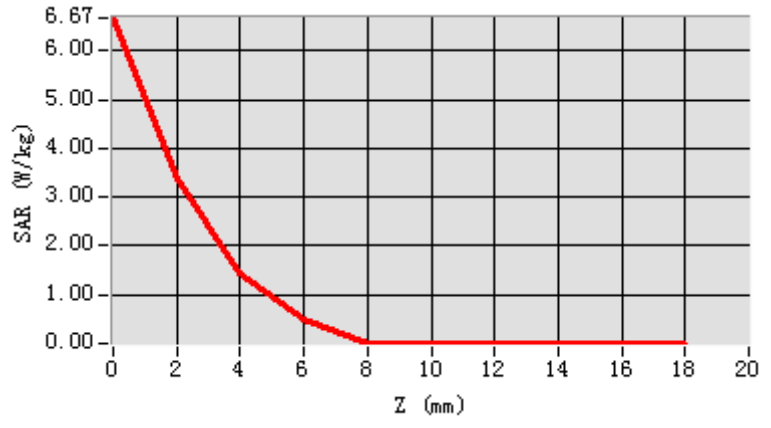


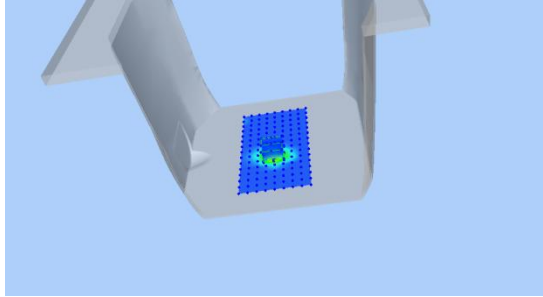
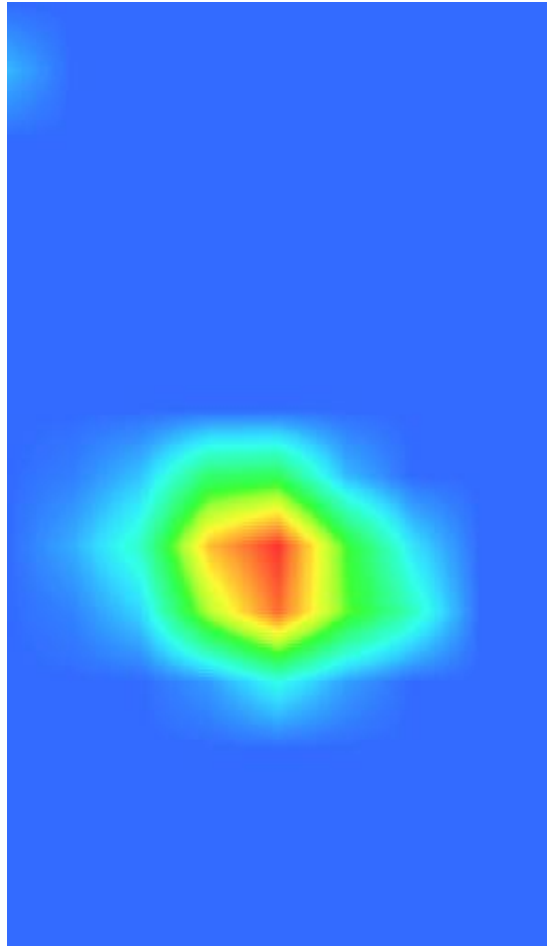
Maximum location: X=-1.00, Y=-14.00

SAR Peak: 7.08 W/kg

SAR 10g (W/Kg)	0.383489
SAR 1g (W/Kg)	1.685173

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	6.6708	3.3698	1.4590	0.4781	0.0038	0.0012	0.0012	0.0059	0.0000



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: 10/18/2019

Measurement duration: 22 minutes 33 seconds

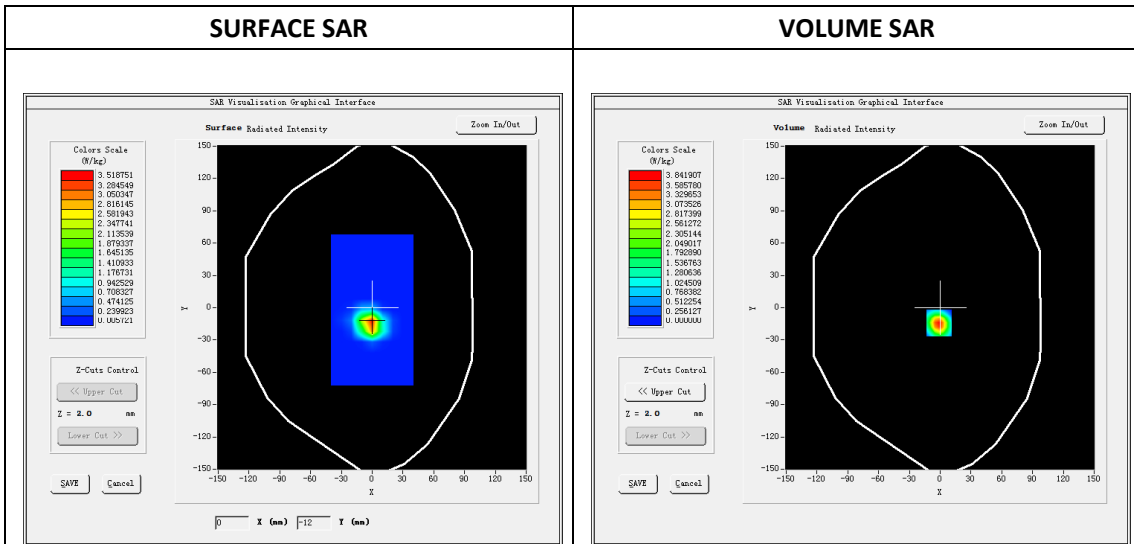
### A. Experimental conditions.

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)	48.49
Relative permittivity	18.59
Conductivity (S/m)	5.99
Power drift (%)	-4.53
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.26



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

SAR Peak: 8.05 W/kg

SAR 10g (W/Kg)	0.435131
SAR 1g (W/Kg)	1.918392



Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	7.5926	3.8419	1.6680	0.5485	0.0478	0.0008	0.0001	0.0065	0.0000

