

	<b>Annex A: System Check</b>
	<b>Tested Model : Sun_S5501</b>
	<b>Report Number: FCC17070749A-SAR</b>

## I. RESULTS

<b><u>TYPE</u></b>	<b><u>BAND</u></b>	<b><u>PARAMETERS</u></b>
<b>Validation</b>	<b>CW835</b>	<u>Measurement 1:</u> Validation Plane with Dipole device position on Middle Channel in CW mode
<b>Validation</b>	<b>CW835</b>	<u>Measurement 2:</u> Validation Plane with Dipole device position on Middle Channel in CW mode
<b>Validation</b>	<b>CW1900</b>	<u>Measurement 3:</u> Validation Plane with Dipole device position on Middle Channel in CW mode
<b>Validation</b>	<b>CW1900</b>	<u>Measurement 4:</u> Validation Plane with Dipole device position on Middle Channel in CW mode
<b>Validation</b>	<b>CW2450</b>	<u>Measurement 5:</u> Validation Plane with Dipole device position on Middle Channel in CW mode
<b>Validation</b>	<b>CW2450</b>	<u>Measurement 6:</u> Validation Plane with Dipole device position on Middle Channel in CW mode

# MEASUREMENT 1

## BODY

Type: Validation measurement (Complete)

Date of measurement: 21/6/2017

Measurement duration: 11 minutes 54 seconds

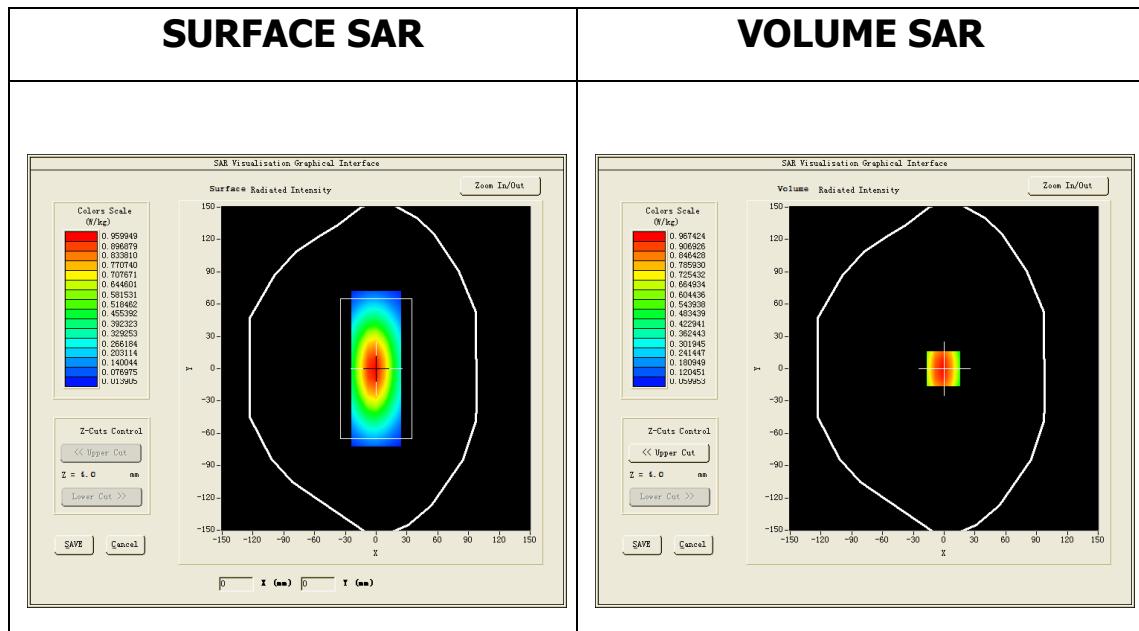
### **A. Experimental conditions.**

<u>Area Scan</u>	<u>dx=8mm dy=8mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Dipole</u>
<u>Band</u>	<u>CW835</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>CW (Crest factor: 1.0)</u>

### **B. SAR Measurement Results**

Middle Band SAR (Channel -1):

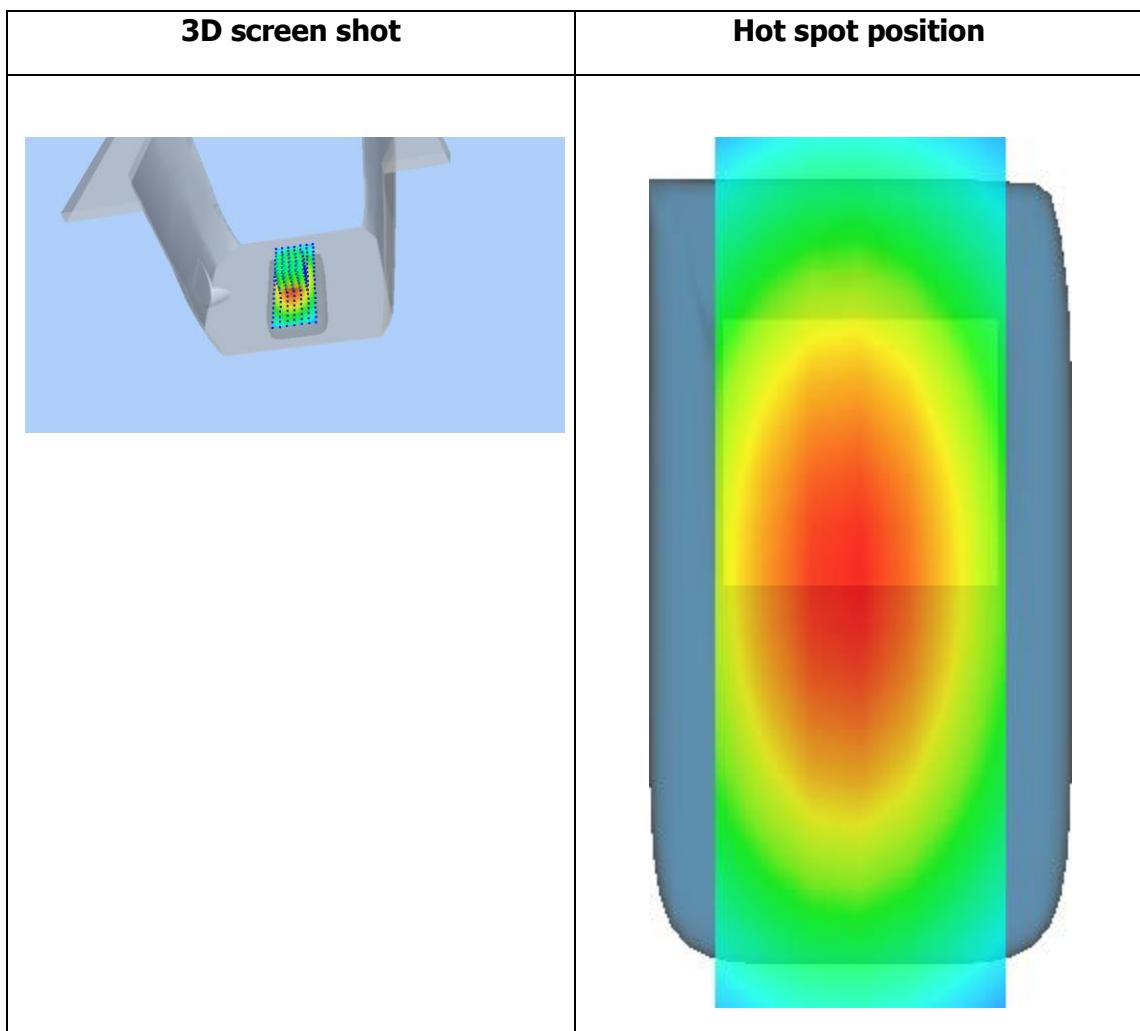
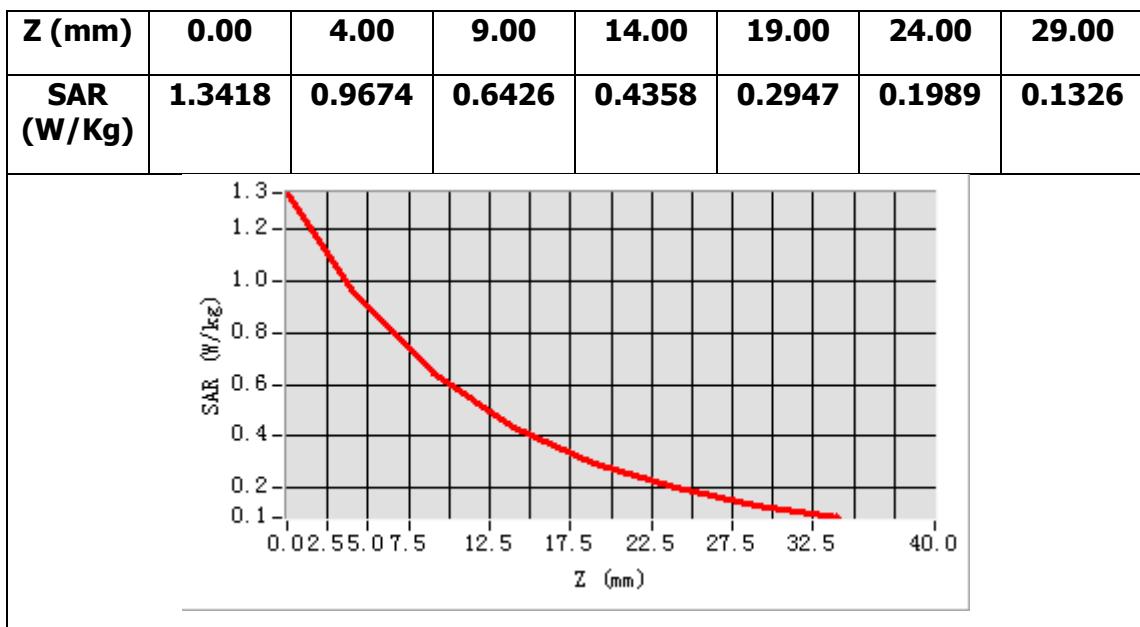
<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	53.927799
<b>Relative permittivity (imaginary part)</b>	21.281300
<b>Conductivity (S/m)</b>	0.987216
<b>Variation (%)</b>	0.120000



**Maximum location: X=-1.00, Y=0.00**

**SAR Peak: 1.44 W/kg**

<b>SAR 10g (W/Kg)</b>	0.644746
<b>SAR 1g (W/Kg)</b>	1.014583



## MEASUREMENT 2

### HEAD

Type: Validation measurement (Complete)

Date of measurement: 21/6/2017

Measurement duration: 11 minutes 54 seconds

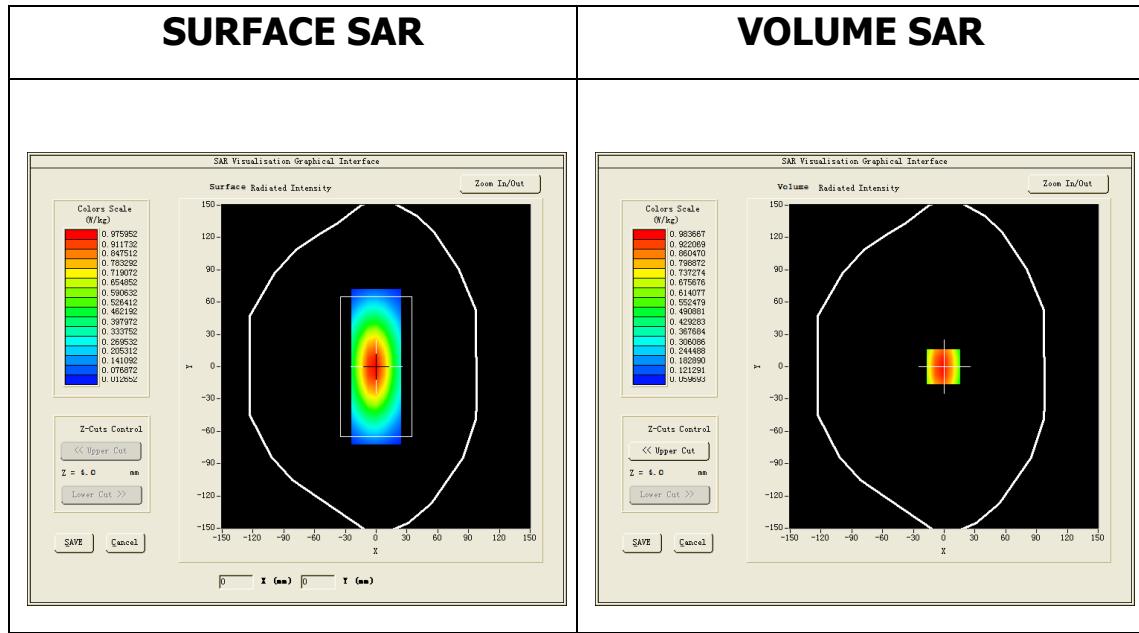
### A. Experimental conditions.

<u>Area Scan</u>	<u>dx=8mm dy=8mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Dipole</u>
<u>Band</u>	<u>CW835</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>CW (Crest factor: 1.0)</u>

### B. SAR Measurement Results

Middle Band SAR (Channel -1):

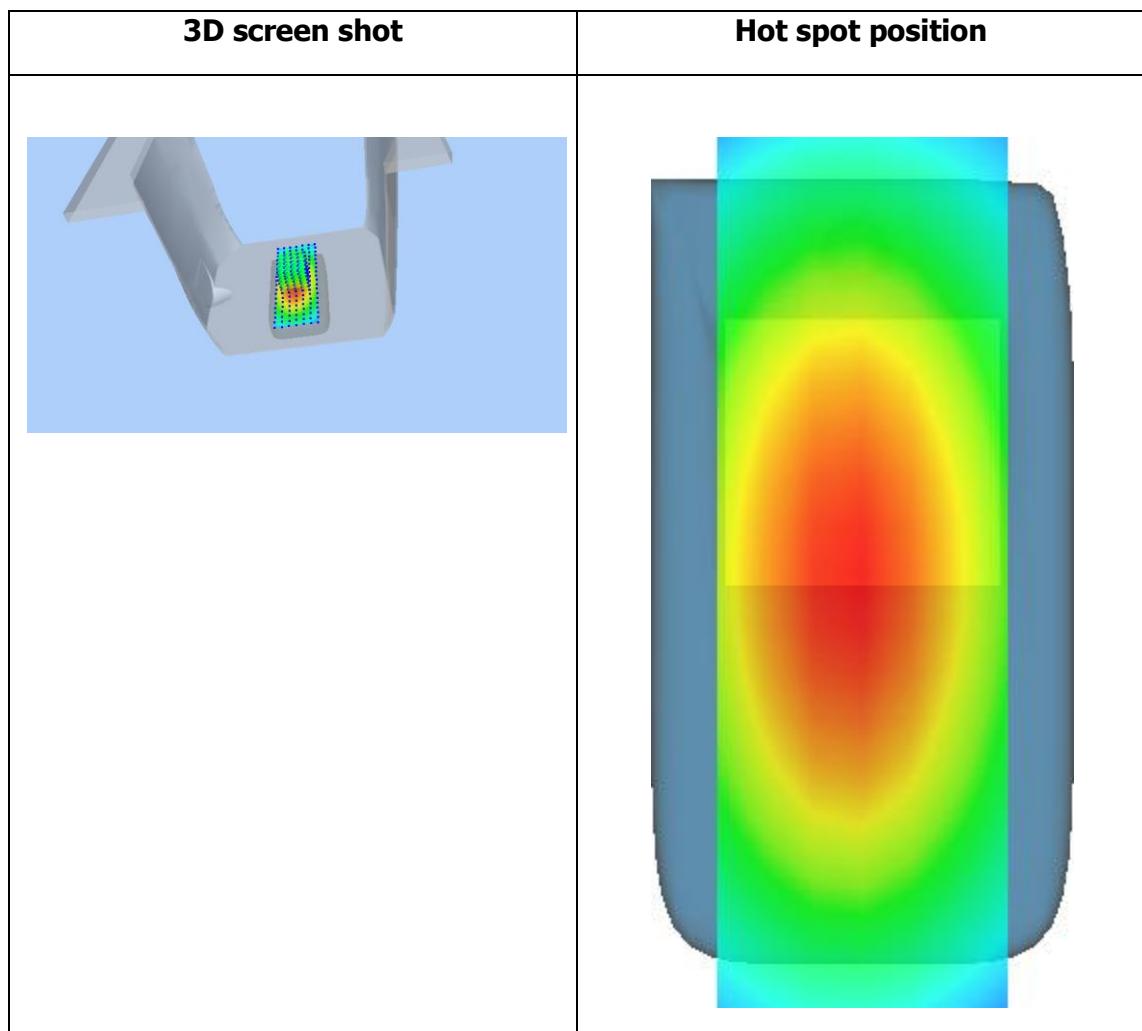
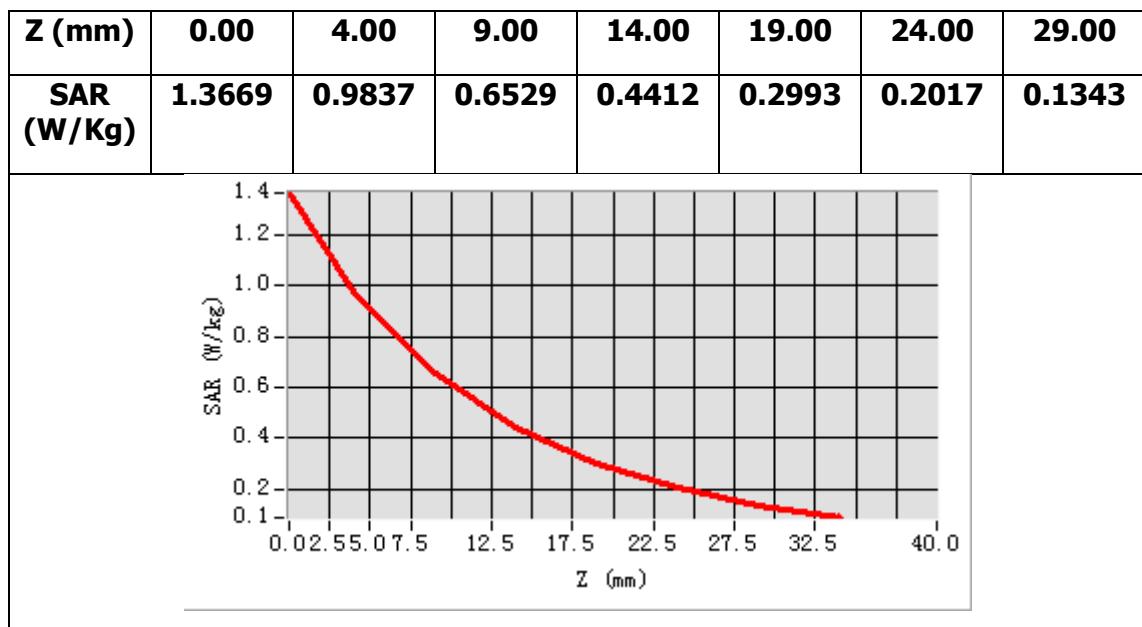
<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	40.328999
<b>Relative permittivity (imaginary part)</b>	19.880501
<b>Conductivity (S/m)</b>	0.922234
<b>Variation (%)</b>	-0.070000



**Maximum location: X=-1.00, Y=0.00**

**SAR Peak: 1.37 W/kg**

<b>SAR 10g (W/Kg)</b>	0.615004
<b>SAR 1g (W/Kg)</b>	0.970049



## MEASUREMENT 3

### BODY

Type: Validation measurement (Complete)

Date of measurement: 28/6/2017

Measurement duration: 10 minutes 57 seconds

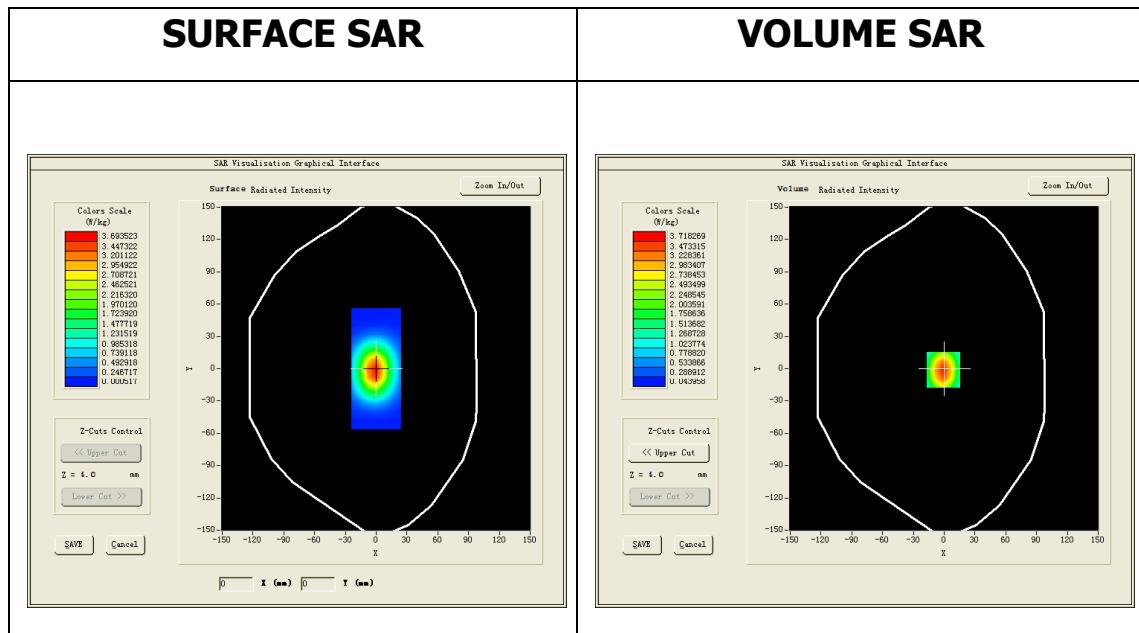
### A. Experimental conditions.

<u>Area Scan</u>	<u>dx=8mm dy=8mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Dipole</u>
<u>Band</u>	<u>CW1900</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>CW (Crest factor: 1.0)</u>

### B. SAR Measurement Results

Middle Band SAR (Channel -1):

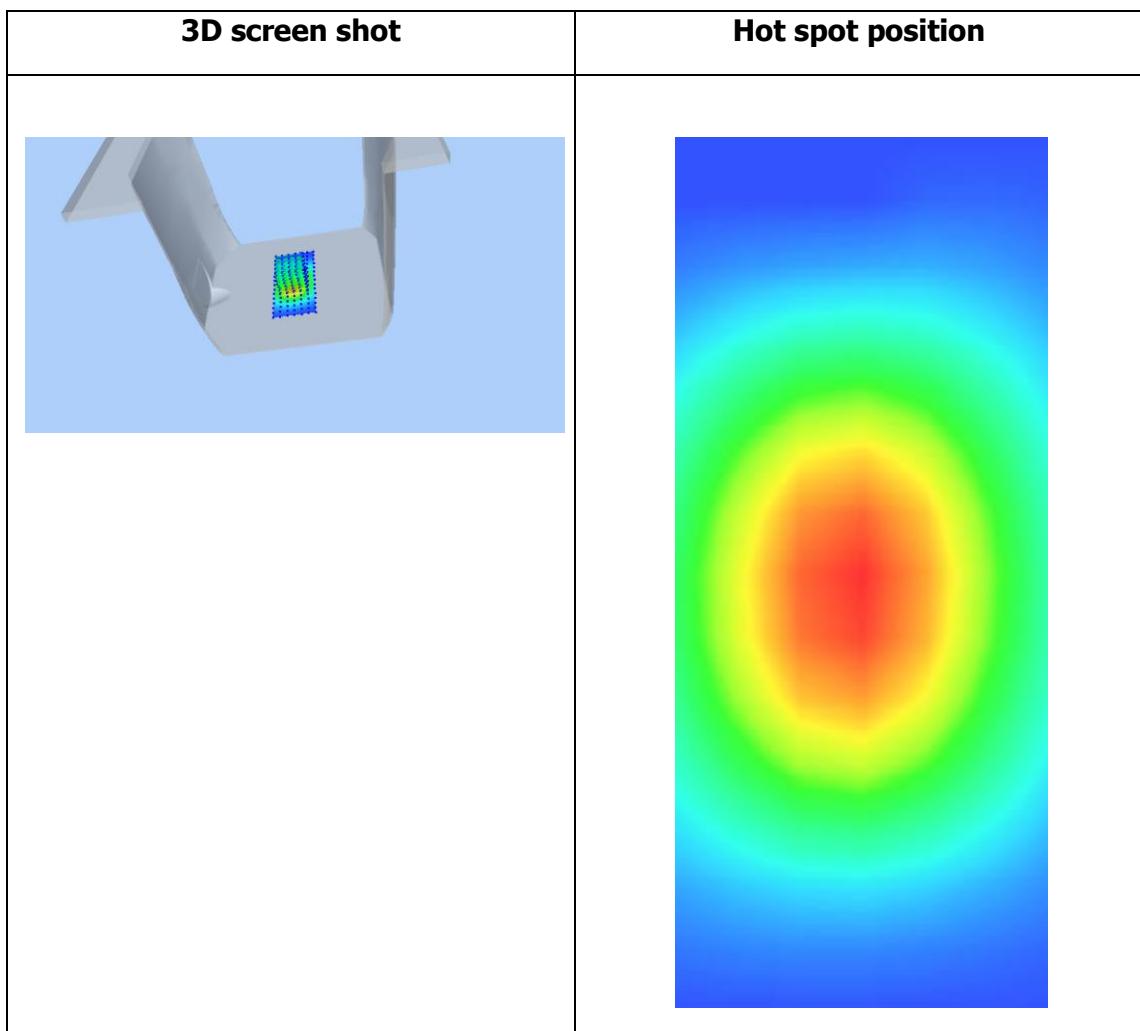
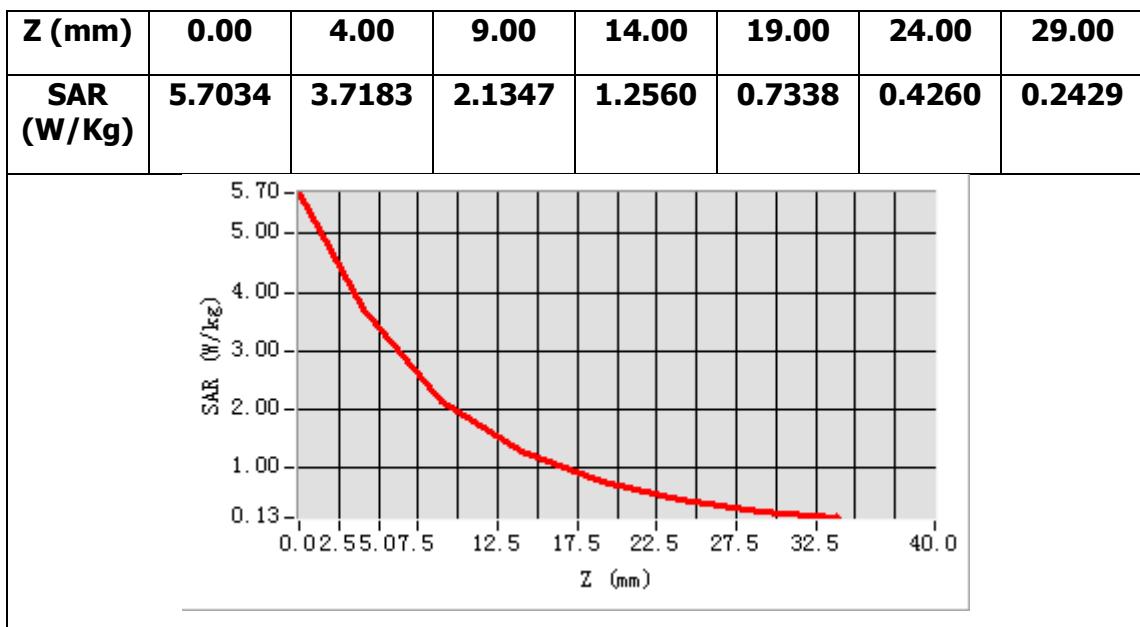
<b>Frequency (MHz)</b>	1900.000000
<b>Relative permittivity (real part)</b>	53.365299
<b>Relative permittivity (imaginary part)</b>	14.757600
<b>Conductivity (S/m)</b>	1.557747
<b>Variation (%)</b>	-0.450000



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

**SAR Peak: 6.26 W/kg**

<b>SAR 10g (W/Kg)</b>	2.093533
<b>SAR 1g (W/Kg)</b>	3.932904



## MEASUREMENT 4

### HEAD

Type: Validation measurement (Complete)

Date of measurement: 28/6/2017

Measurement duration: 11 minutes 6 seconds

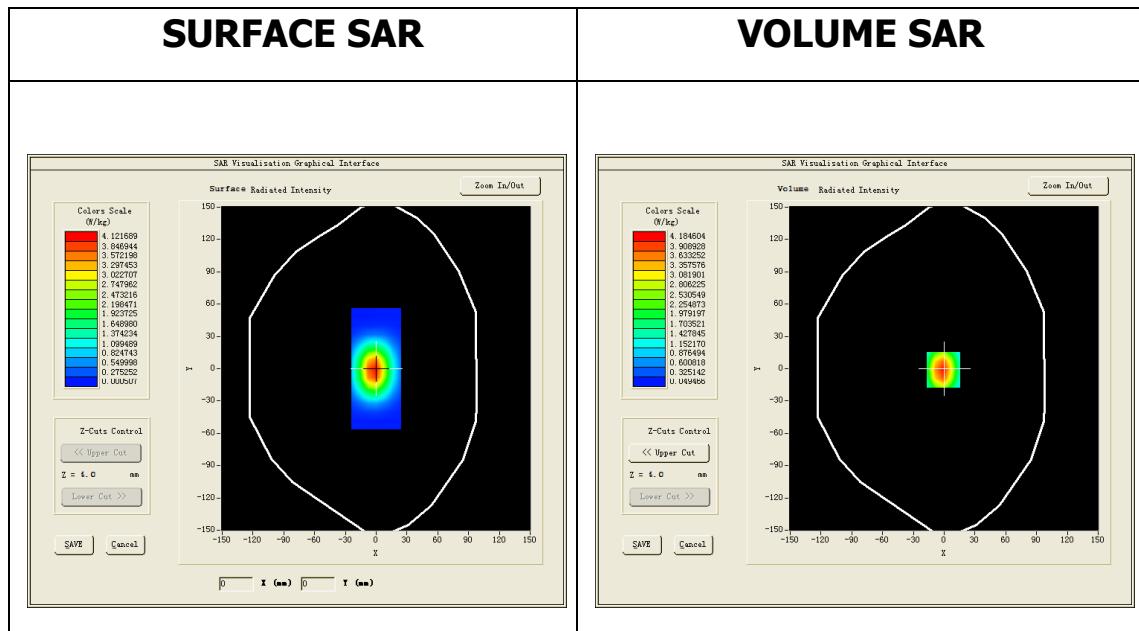
### A. Experimental conditions.

<u>Area Scan</u>	<u>dx=8mm dy=8mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Dipole</u>
<u>Band</u>	<u>CW1900</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>CW (Crest factor: 1.0)</u>

### B. SAR Measurement Results

Middle Band SAR (Channel -1):

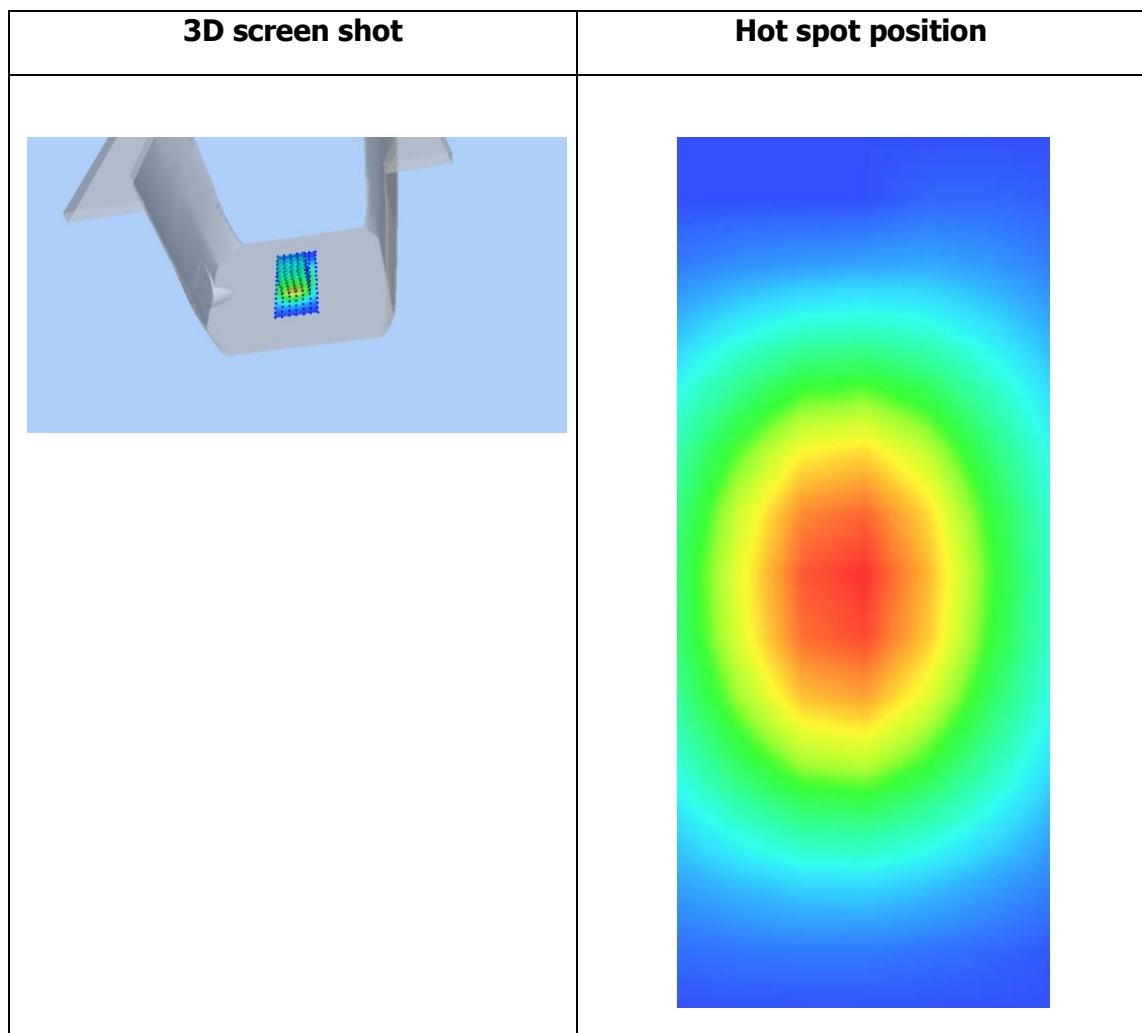
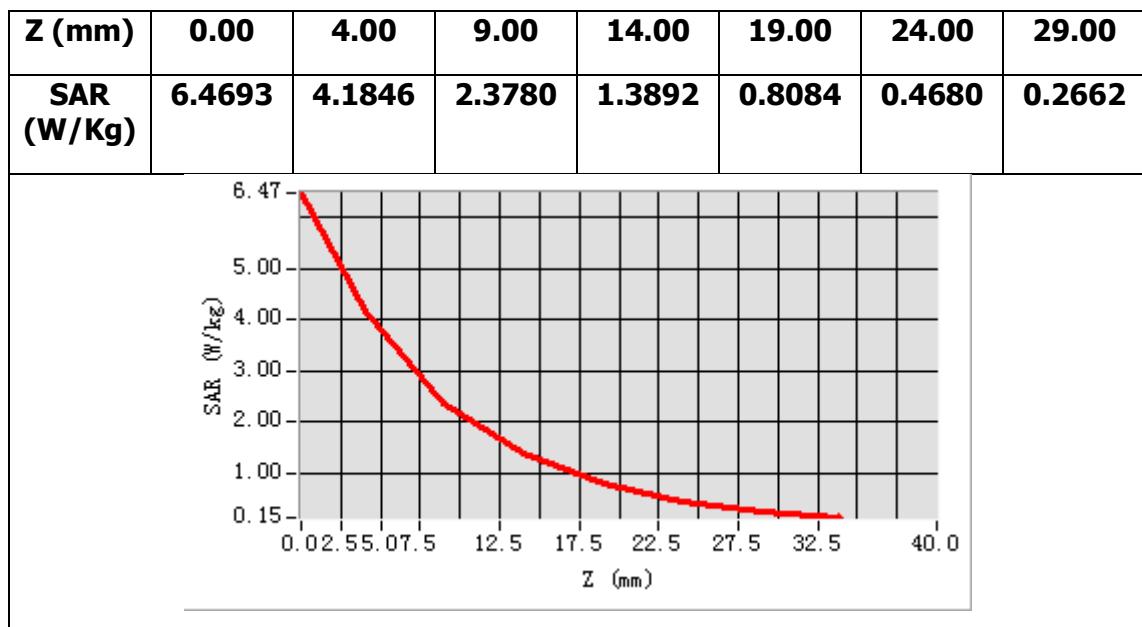
<b>Frequency (MHz)</b>	1900.000000
<b>Relative permittivity (real part)</b>	39.976398
<b>Relative permittivity (imaginary part)</b>	13.386300
<b>Conductivity (S/m)</b>	1.412998
<b>Variation (%)</b>	-0.040000



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

**SAR Peak: 6.48 W/kg**

<b>SAR 10g (W/Kg)</b>	2.107104
<b>SAR 1g (W/Kg)</b>	3.997625



## MEASUREMENT 5

### BODY

Type: Validation measurement (Complete)

Date of measurement: 10/7/2017

Measurement duration: 9 minutes 46 seconds

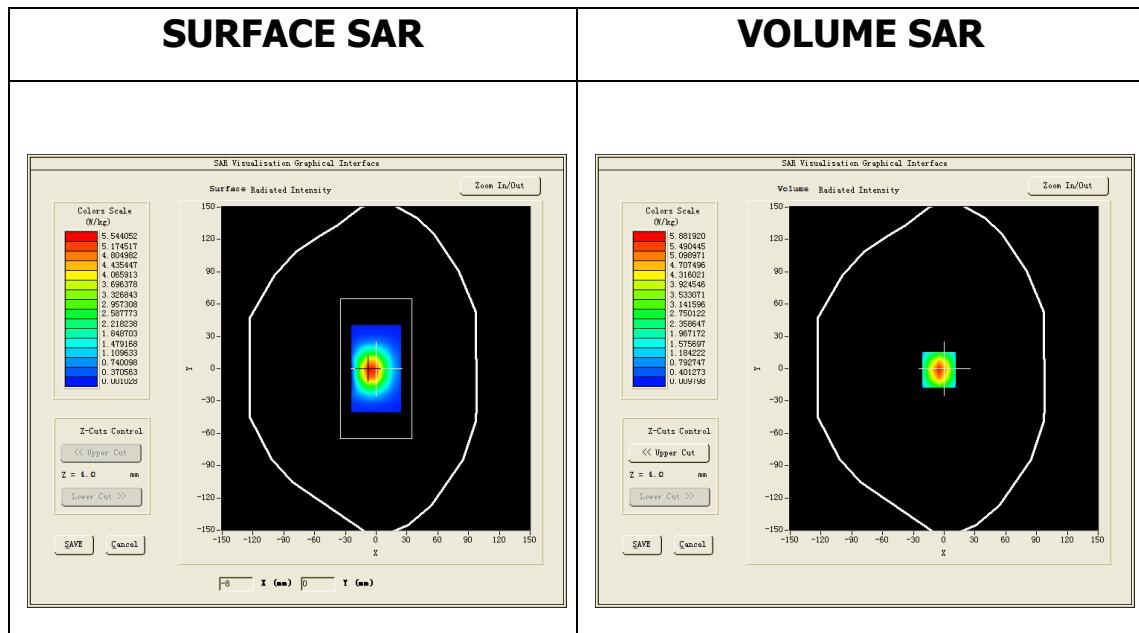
### A. Experimental conditions.

<u>Area Scan</u>	<u>dx=8mm dy=8mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Dipole</u>
<u>Band</u>	<u>CW2450</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>CW (Crest factor: 1.0)</u>

### B. SAR Measurement Results

Middle Band SAR (Channel -1):

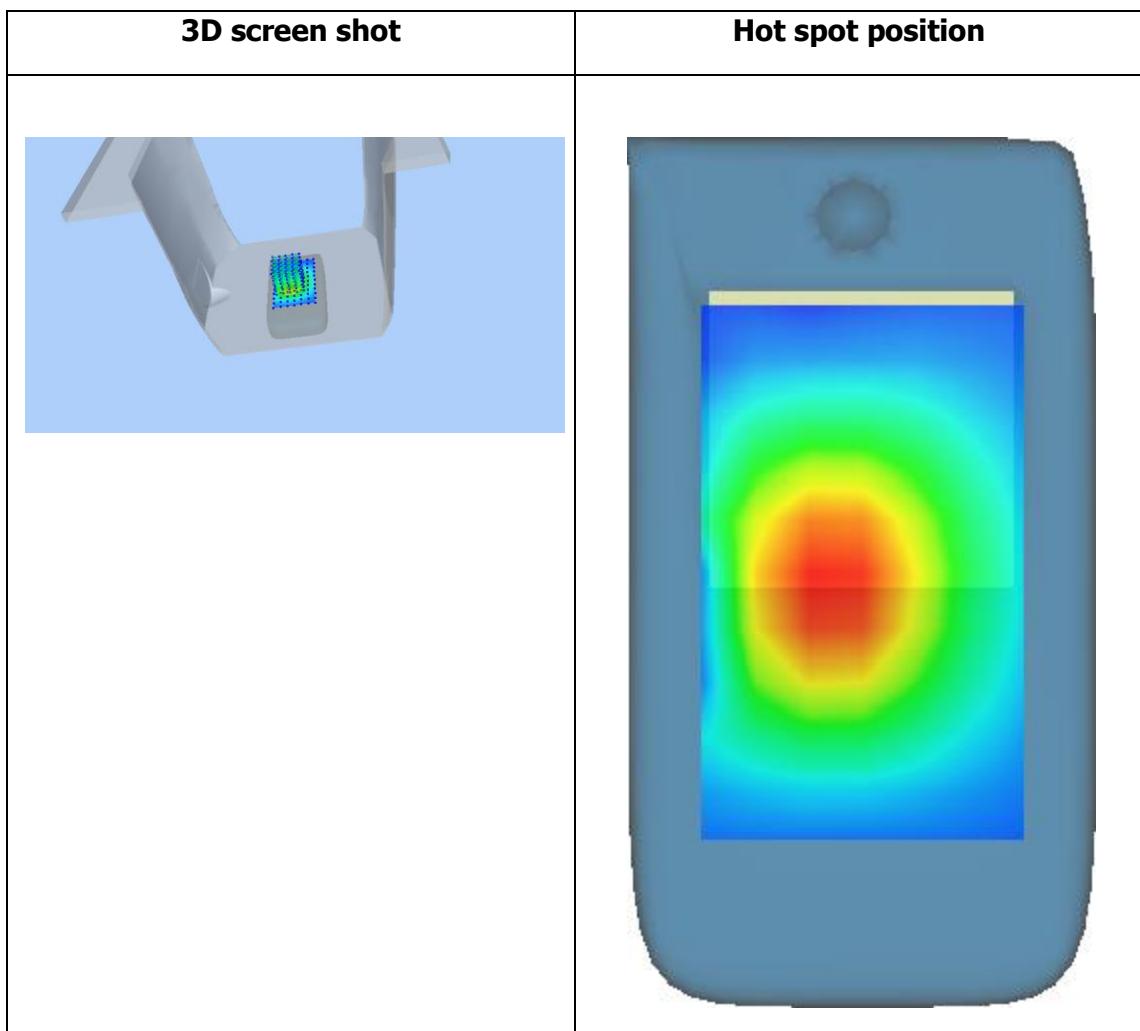
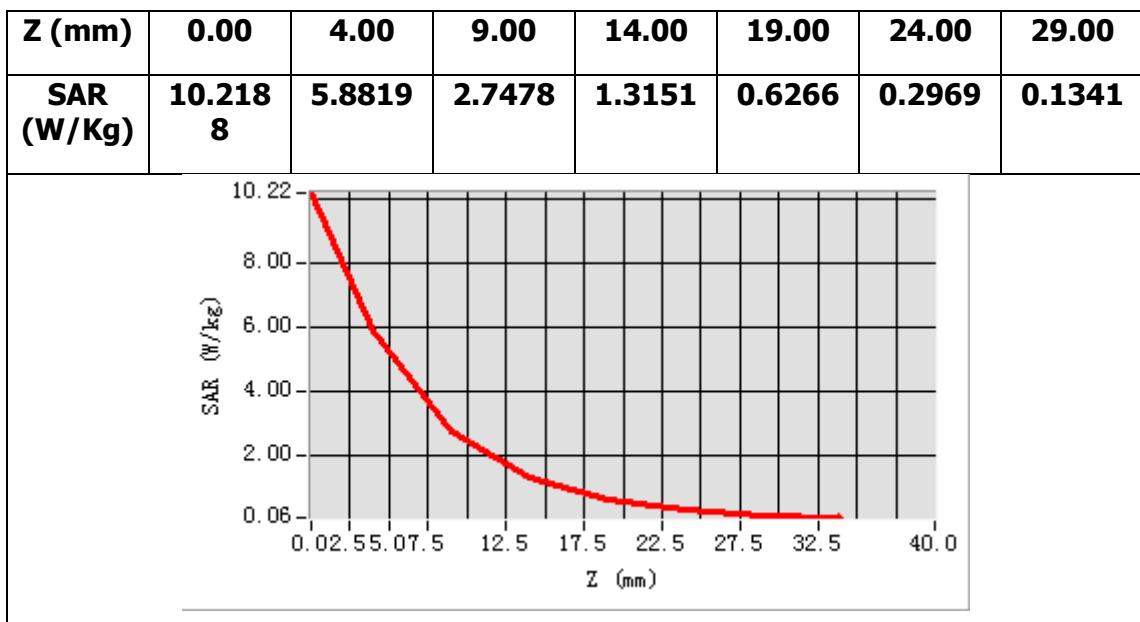
<b>Frequency (MHz)</b>	2450.000000
<b>Relative permittivity (real part)</b>	52.735699
<b>Relative permittivity (imaginary part)</b>	14.017300
<b>Conductivity (S/m)</b>	1.907910
<b>Variation (%)</b>	0.390000



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

**SAR Peak: 10.96 W/kg**

<b>SAR 10g (W/Kg)</b>	2.333453
<b>SAR 1g (W/Kg)</b>	5.633343



## MEASUREMENT 6

### HEAD

Type: Validation measurement (Complete)

Date of measurement: 10/7/2017

Measurement duration: 9 minutes 46 seconds

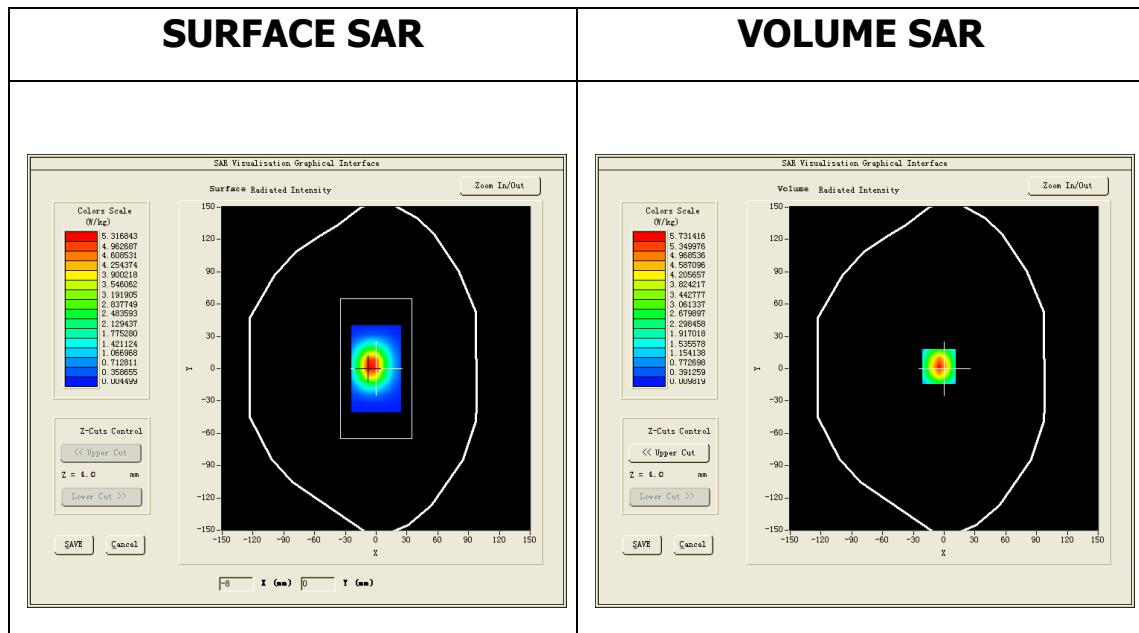
### A. Experimental conditions.

<u>Area Scan</u>	<u>dx=8mm dy=8mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Dipole</u>
<u>Band</u>	<u>CW2450</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>CW (Crest factor: 1.0)</u>

### B. SAR Measurement Results

Middle Band SAR (Channel -1):

<b>Frequency (MHz)</b>	2450.000000
<b>Relative permittivity (real part)</b>	39.235699
<b>Relative permittivity (imaginary part)</b>	12.917300
<b>Conductivity (S/m)</b>	1.758188
<b>Variation (%)</b>	2.820000



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

**SAR Peak: 9.92 W/kg**

<b>SAR 10g (W/Kg)</b>	2.452895
<b>SAR 1g (W/Kg)</b>	5.393069

