	<b>Annex A: System Check</b>
	<b>Project Name : N2</b>
	<b>Report Number: FCC16073807-6</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: 16/7/2016

Measurement duration: 11 minutes 42 seconds

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

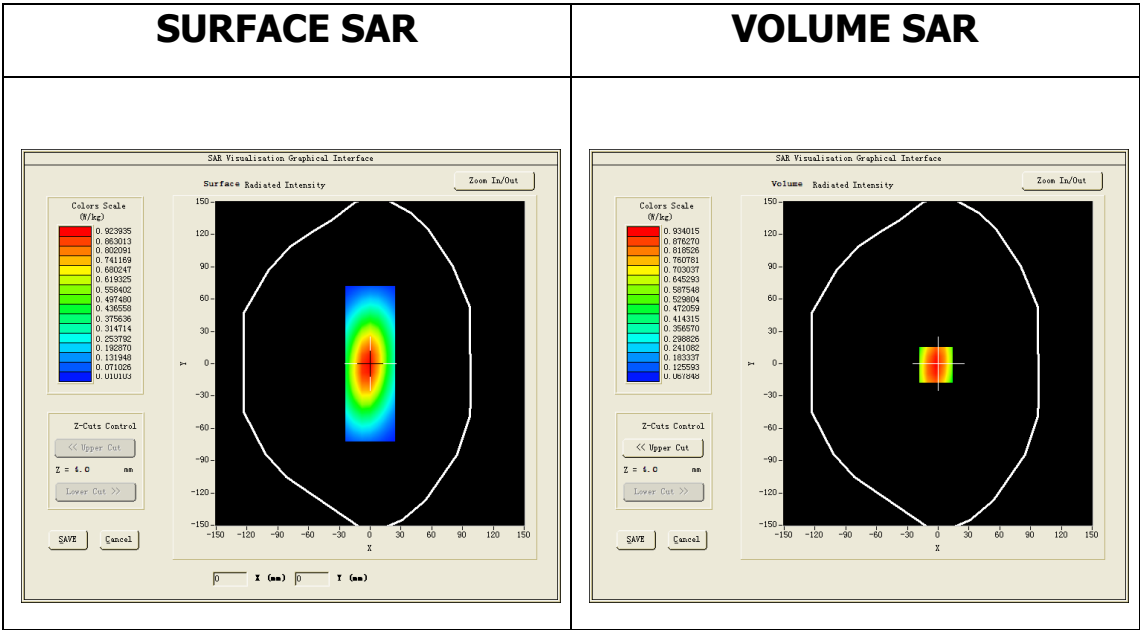
<b><u>Area Scan</u></b>	<u>dx=8mm dy=8mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Dipole</u>
<b><u>Band</u></b>	<u>CW835</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>CW (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>5.07</u>

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

Middle Band SAR (Channel -1):

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	55.219501
<b>Relative permittivity (imaginary part)</b>	20.868099
<b>Conductivity (S/m)</b>	0.968048

<b>Variation (%)</b>	-0.110000
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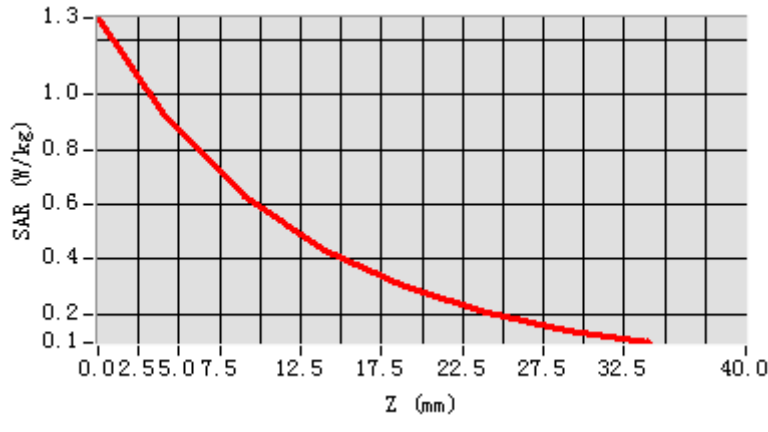


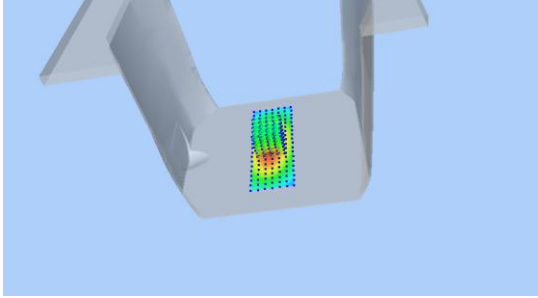
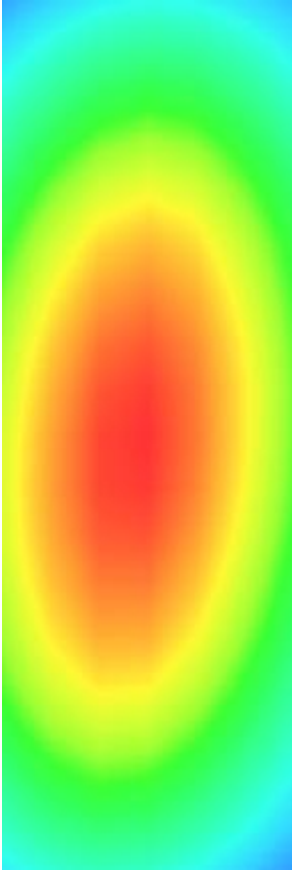
**Maximum location: X=-2.00, Y=-1.00**

**SAR Peak: 1.37 W/kg**

<b>SAR 10g (W/Kg)</b>	6.22746
<b>SAR 1g (W/Kg)</b>	9.60713

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>1.2796</b>	<b>0.9340</b>	<b>0.6314</b>	<b>0.4339</b>	<b>0.2996</b>	<b>0.2062</b>	<b>0.1409</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 2

HEAD

Type: Validation measurement (Complete)

Date of measurement: 16/7/2016

Measurement duration: 11 minutes 43 seconds

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

<b><u>Area Scan</u></b>	<u>dx=8mm dy=8mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7, dx=8mm dy=8mm dz=5mm, Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Dipole</u>
<b><u>Band</u></b>	<u>CW835</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>CW (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>5.07</u>

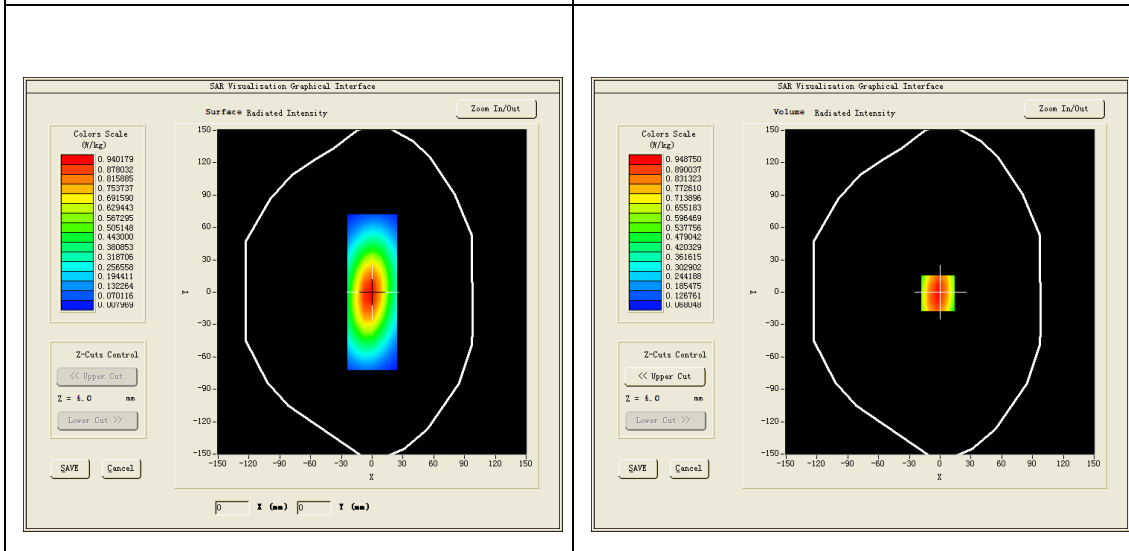
### **B. SAR Measurement Results**

Middle Band SAR (Channel -1):

<b>Frequency (MHz)</b>	835.000000
<b>Relative permittivity (real part)</b>	41.450901
<b>Relative permittivity (imaginary part)</b>	19.477900
<b>Conductivity (S/m)</b>	0.903558
<b>Variation (%)</b>	0.250000

### SURFACE SAR

### VOLUME SAR

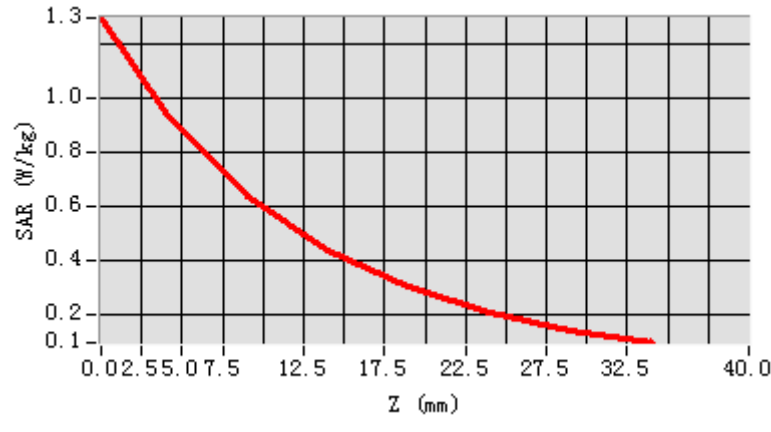


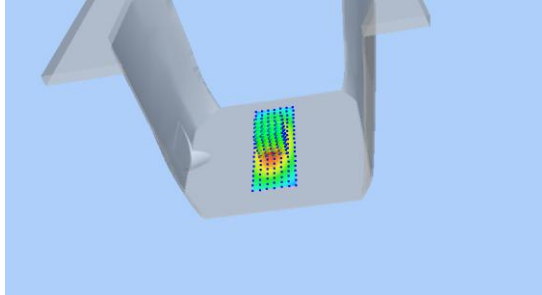

**Maximum location: X=-2.00, Y=-1.00**

**SAR Peak: 1.30 W/kg**

<b>SAR 10g (W/Kg)</b>	5.91216
<b>SAR 1g (W/Kg)</b>	9.13485

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>1.3002</b>	<b>0.9487</b>	<b>0.6411</b>	<b>0.4403</b>	<b>0.3039</b>	<b>0.2089</b>	<b>0.1425</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 3

### BODY

Type: Validation measurement (Complete)

Date of measurement: 18/7/2016

Measurement duration: 11 minutes 8 seconds

### A. Experimental conditions.

<b><u>Area Scan</u></b>	<u>dx=8mm dy=8mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Dipole</u>
<b><u>Band</u></b>	<u>CW1900</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>CW (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

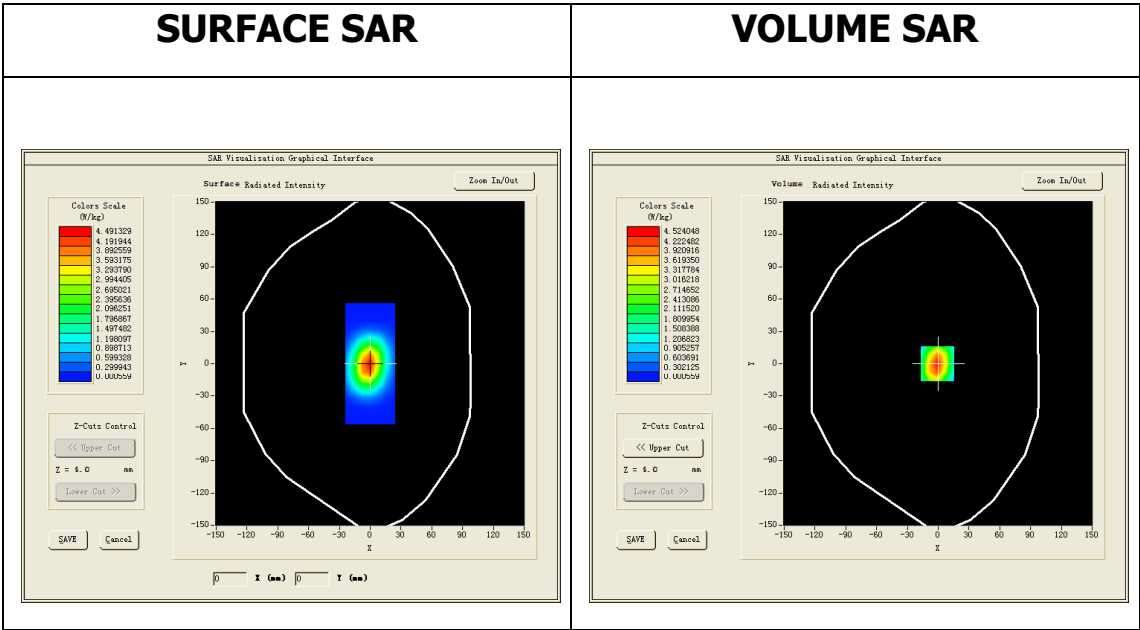
### B. SAR Measurement Results

Middle Band SAR (Channel -1):

<b>Frequency (MHz)</b>	1900.000000
<b>Relative permittivity (real part)</b>	53.147202
<b>Relative permittivity (imaginary part)</b>	14.472600
<b>Conductivity (S/m)</b>	1.527663



<b>Variation (%)</b>	-0.160000
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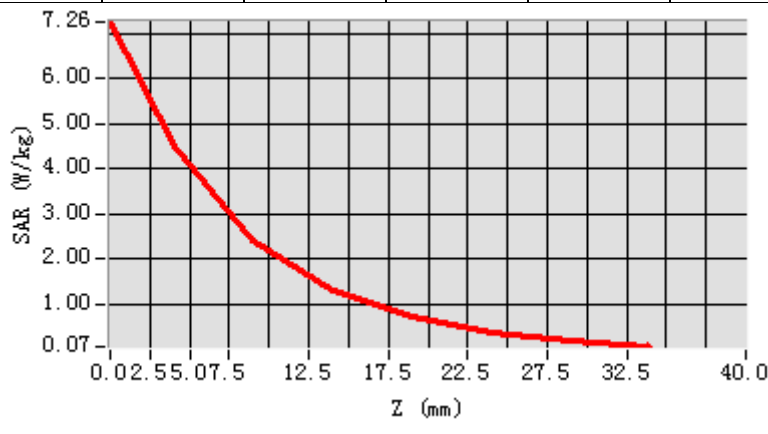


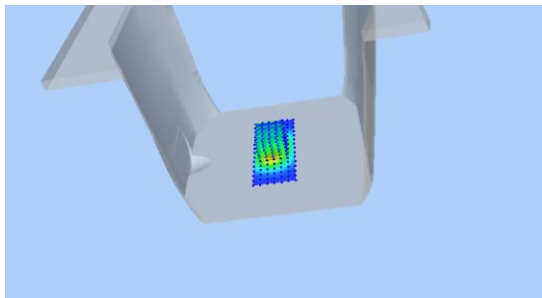
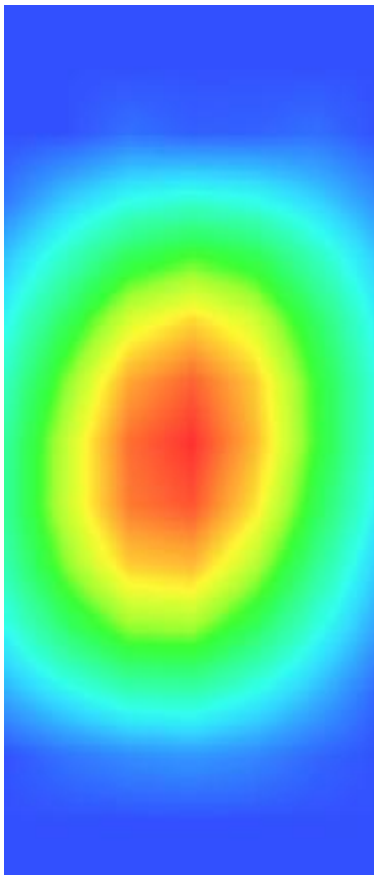
**Maximum location: X=-1.00, Y=0.00**

**SAR Peak: 7.23 W/kg**

<b>SAR 10g (W/Kg)</b>	21.44791
<b>SAR 1g (W/Kg)</b>	42.78533

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>7.2625</b>	<b>4.5240</b>	<b>2.4193</b>	<b>1.3215</b>	<b>0.7144</b>	<b>0.3718</b>	<b>0.1784</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 4

### HEAD

Type: Validation measurement (Complete)

Date of measurement: 18/7/2016

Measurement duration: 13 minutes 45 seconds

### A. Experimental conditions.

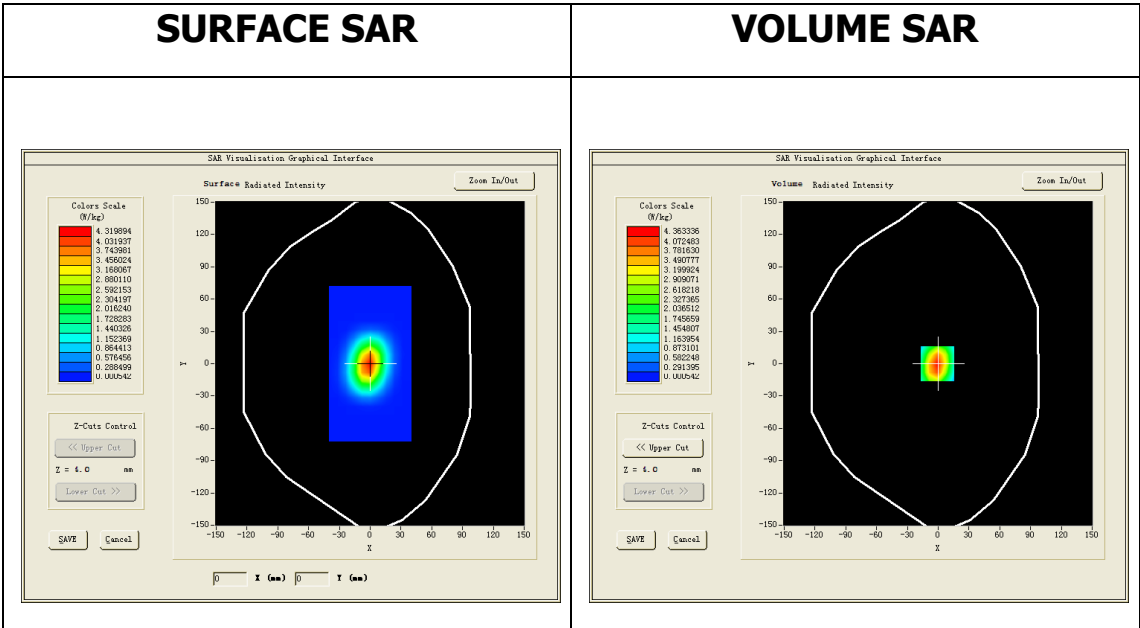
<b><u>Area Scan</u></b>	<u>dx=8mm dy=8mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7, dx=8mm dy=8mm dz=5mm, Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Dipole</u>
<b><u>Band</u></b>	<u>CW1900</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>CW (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.78</u>

### B. SAR Measurement Results

Middle Band SAR (Channel -1):

<b>Frequency (MHz)</b>	1900.000000
<b>Relative permittivity (real part)</b>	53.157902
<b>Relative permittivity (imaginary part)</b>	14.322700
<b>Conductivity (S/m)</b>	1.511841

<b>Variation (%)</b>	0.330000
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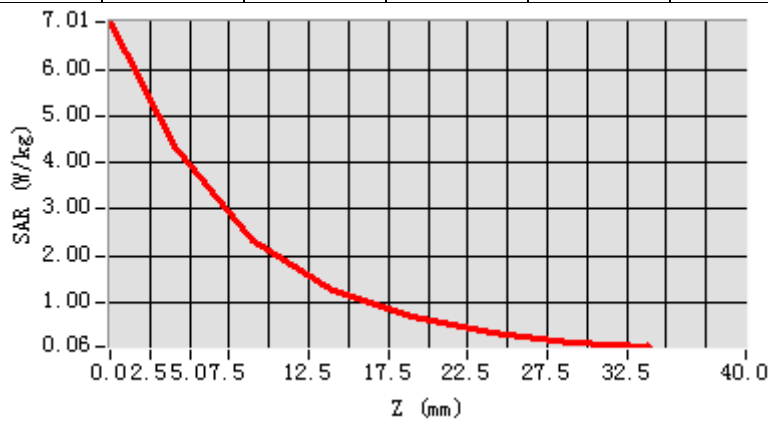


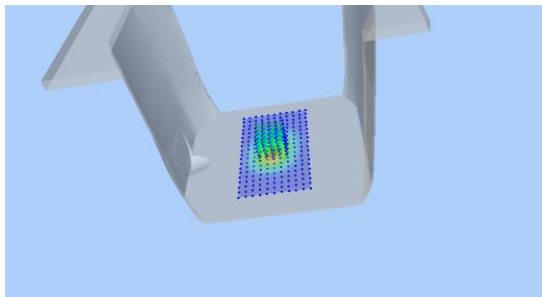
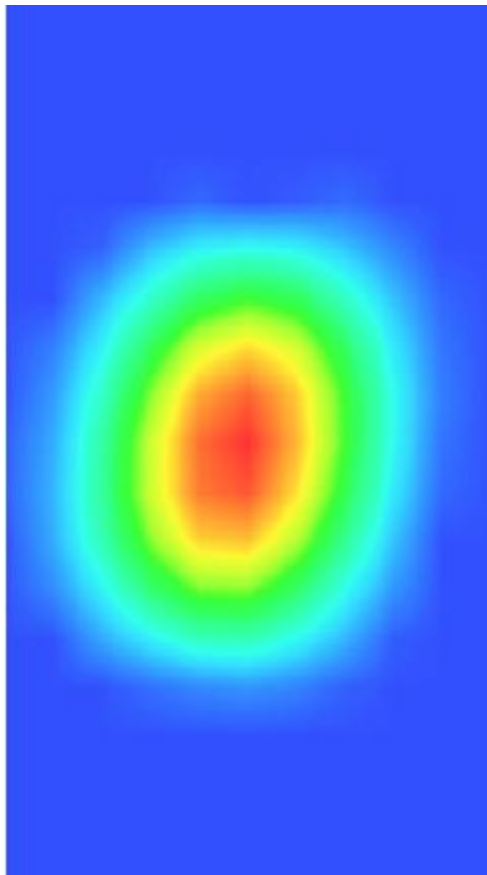
**Maximum location: X=-1.00, Y=0.00**

**SAR Peak: 6.98 W/kg**

<b>SAR 10g (W/Kg)</b>	20.62172
<b>SAR 1g (W/Kg)</b>	41.14412

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>7.0084</b>	<b>4.3633</b>	<b>2.3305</b>	<b>1.2711</b>	<b>0.6827</b>	<b>0.3505</b>	<b>0.1629</b>



3D screen shot	Hot spot position
	

## MEASUREMENT 5

BODY

Type: Validation measurement (Complete)

Date of measurement: 20/7/2016

Measurement duration: 11 minutes 20 seconds

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

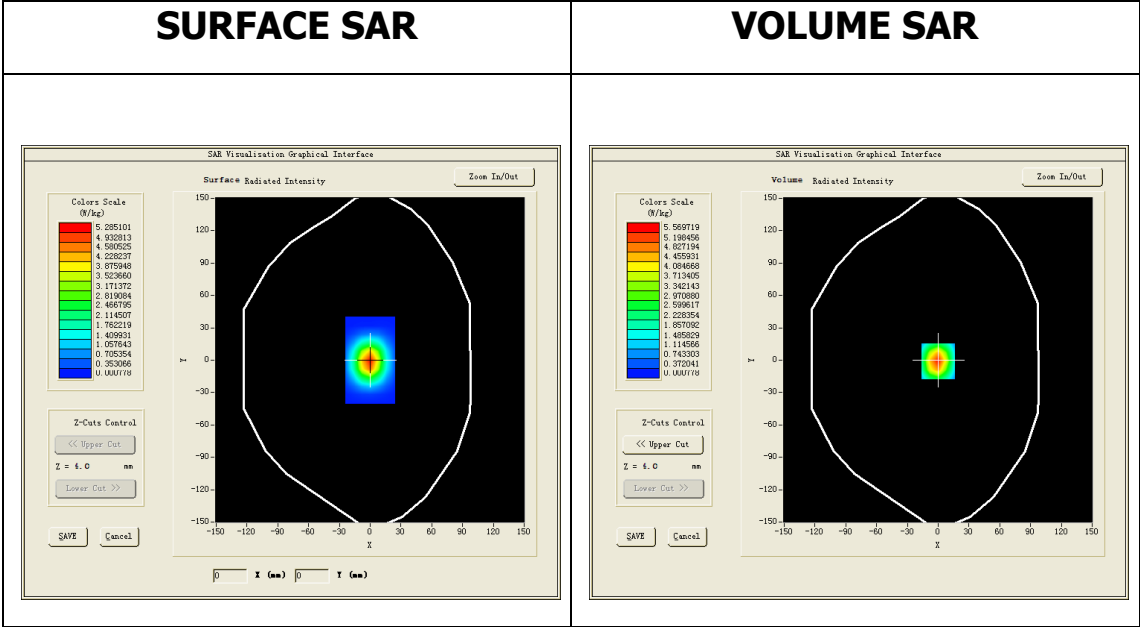
<b><u>Area Scan</u></b>	<u>dx=8mm dy=8mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Dipole</u>
<b><u>Band</u></b>	<u>CW2450</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>CW (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.11</u>

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

Middle Band SAR (Channel -1):

<b>Frequency (MHz)</b>	2450.000000
<b>Relative permittivity (real part)</b>	52.742599
<b>Relative permittivity (imaginary part)</b>	14.317500
<b>Conductivity (S/m)</b>	1.948771

<b>Variation (%)</b>	2.020000
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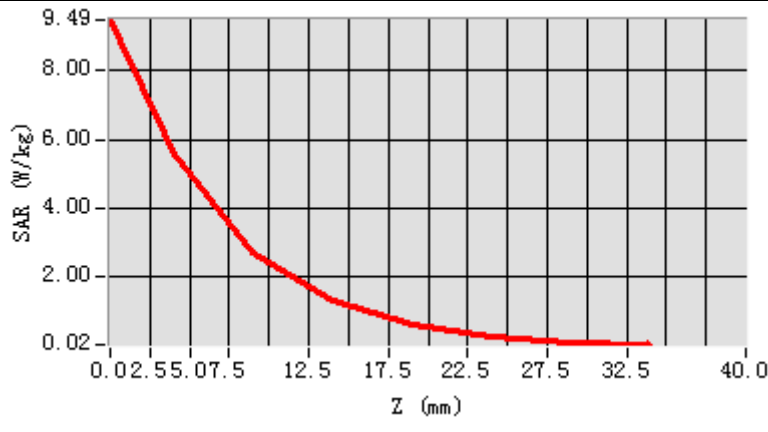


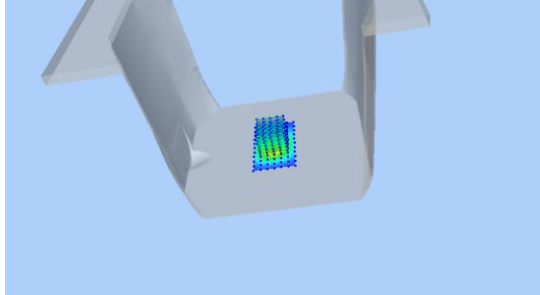
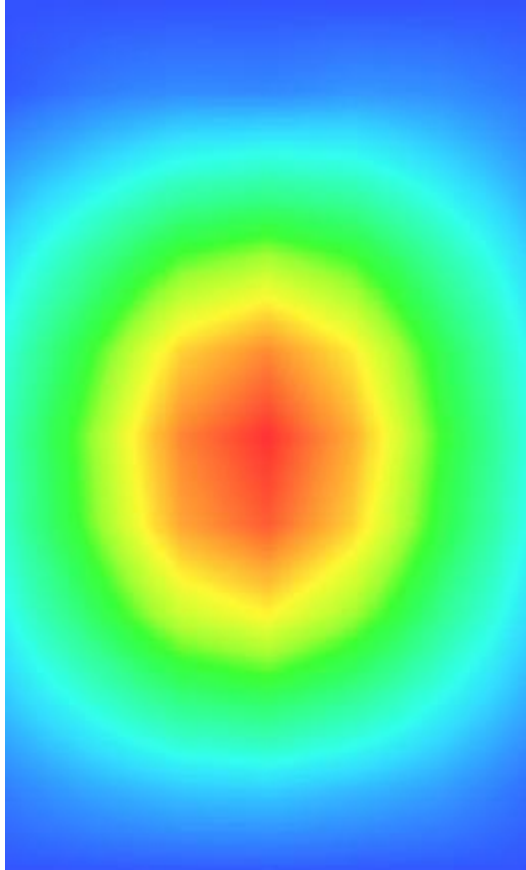
**Maximum location: X=0.00, Y=-1.00**

**SAR Peak: 10.20 W/kg**

<b>SAR 10g (W/Kg)</b>	25.76202
<b>SAR 1g (W/Kg)</b>	56.43891

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>9.4884</b>	<b>5.5697</b>	<b>2.6880</b>	<b>1.3102</b>	<b>0.6207</b>	<b>0.2724</b>	<b>0.0955</b>



3D screen shot	Hot spot position
	



## MEASUREMENT 6

HEAD

Type: Validation measurement (Complete)

Date of measurement: 20/7/2016

Measurement duration: 10 minutes 39 seconds

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

<b><u>Area Scan</u></b>	<u>dx=8mm dy=8mm</u>
<b><u>ZoomScan</u></b>	<u>5x5x7, dx=8mm dy=8mm dz=5mm, Complete</u>
<b><u>Phantom</u></b>	<u>Validation plane</u>
<b><u>Device Position</u></b>	<u>Dipole</u>
<b><u>Band</u></b>	<u>CW2450</u>
<b><u>Channels</u></b>	<u>Middle</u>
<b><u>Signal</u></b>	<u>CW (Crest factor: 1.0)</u>
<b><u>Conversion factor</u></b>	<u>4.11</u>

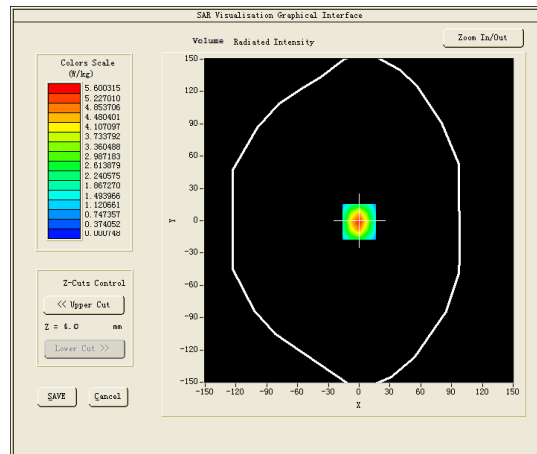
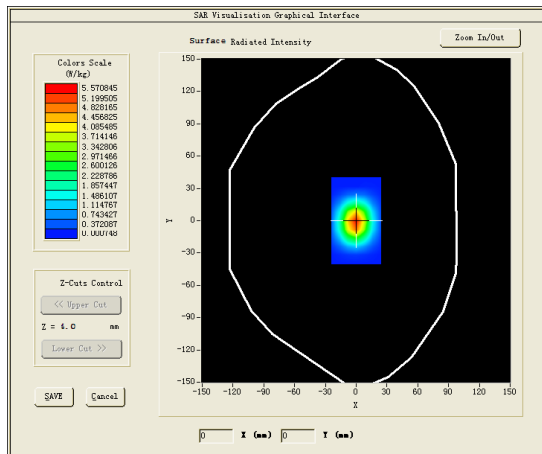
### **B. SAR Measurement Results**

Middle Band SAR (Channel -1):

<b>Frequency (MHz)</b>	2450.000000
<b>Relative permittivity (real part)</b>	39.285599
<b>Relative permittivity (imaginary part)</b>	13.216000
<b>Conductivity (S/m)</b>	1.798844
<b>Variation (%)</b>	0.310000

### SURFACE SAR

### VOLUME SAR

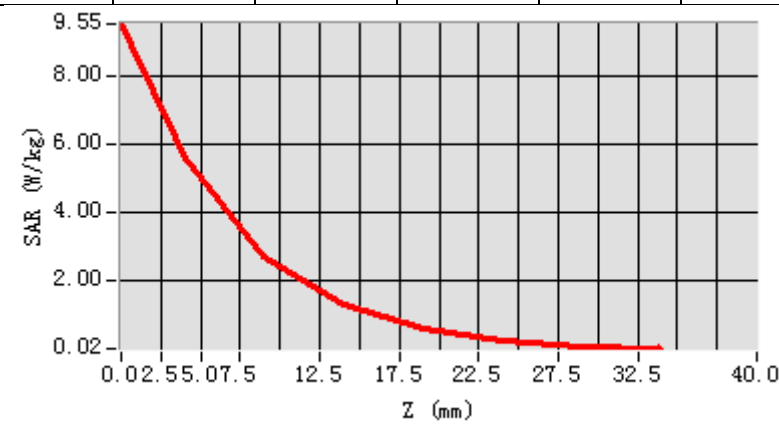


**Maximum location: X=0.00, Y=-1.00**

**SAR Peak: 9.48 W/kg**

<b>SAR 10g (W/Kg)</b>	23.79353
<b>SAR 1g (W/Kg)</b>	52.41689

<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
<b>SAR (W/Kg)</b>	<b>9.5519</b>	<b>5.6003</b>	<b>2.6971</b>	<b>1.3148</b>	<b>0.6202</b>	<b>0.2707</b>	<b>0.0931</b>



3D screen shot	Hot spot position
