

|                                                                                   |                                              |
|-----------------------------------------------------------------------------------|----------------------------------------------|
|  | <b>Annex B: Measurement results</b>          |
|                                                                                   | <b>Project name :M702</b>                    |
|                                                                                   | <b>Report number:<br/>TCT131212017F2-SAR</b> |

## I. RESULTS

| <b><u>TYPE</u></b> | <b><u>BAND</u></b>      | <b><u>PARAMETERS</u></b>                                                                        |
|--------------------|-------------------------|-------------------------------------------------------------------------------------------------|
| <b>Phone</b>       | <b>GSM850</b>           | <u>Measurement 1:</u> Right Head with Cheek device position on Middle Channel in GSM mode       |
| <b>Phone</b>       | <b>GSM850</b>           | <u>Measurement 2:</u> Right Head with Tilt device position on Middle Channel in GSM mode        |
| <b>Phone</b>       | <b>GSM850</b>           | <u>Measurement 3:</u> Left Head with Cheek device position on Middle Channel in GSM mode        |
| <b>Phone</b>       | <b>GSM850</b>           | <u>Measurement 4:</u> Left Head with Tilt device position on Middle Channel in GSM mode         |
| <b>Phone</b>       | <b>GSM850</b>           | <u>Measurement 5:</u> Validation Plane with Body device position on Middle Channel in GSM mode  |
| <b>Phone</b>       | <b>GSM1900</b>          | <u>Measurement 6:</u> Right Head with Cheek device position on Middle Channel in GSM mode       |
| <b>Phone</b>       | <b>GSM1900</b>          | <u>Measurement 7:</u> Right Head with Tilt device position on Middle Channel in GSM mode        |
| <b>Phone</b>       | <b>GSM1900</b>          | <u>Measurement 8:</u> Left Head with Cheek device position on Middle Channel in GSM mode        |
| <b>Phone</b>       | <b>GSM1900</b>          | <u>Measurement 9:</u> Left Head with Tilt device position on Middle Channel in GSM mode         |
| <b>Phone</b>       | <b>GSM1900</b>          | <u>Measurement 10:</u> Validation Plane with Body device position on Middle Channel in GSM mode |
| <b>Phone</b>       | <b>Band2_WCDMA 1900</b> | <u>Measurement 11:</u> Right Head with Cheek device position on Middle Channel in WCDMA mode    |
| <b>Phone</b>       | <b>Band2_WCDMA</b>      | <u>Measurement 12:</u> Right Head with Tilt device                                              |

|              |                         |                                                                                                    |
|--------------|-------------------------|----------------------------------------------------------------------------------------------------|
|              | <b>1900</b>             | position on Middle Channel in WCDMA mode                                                           |
| <b>Phone</b> | <b>Band2_WCDMA 1900</b> | <u>Measurement 13</u> : Left Head with Cheek device position on Middle Channel in WCDMA mode       |
| <b>Phone</b> | <b>Band2_WCDMA 1900</b> | <u>Measurement 14</u> : Left Head with Tilt device position on Middle Channel in WCDMA mode        |
| <b>Phone</b> | <b>Band2_WCDMA 1900</b> | <u>Measurement 15</u> : Validation Plane with Body device position on Middle Channel in WCDMA mode |
| <b>Phone</b> | <b>Band2_WCDMA 1900</b> | <u>Measurement 16</u> : Validation Plane with Body device position on Middle Channel in WCDMA mode |
| <b>Phone</b> | <b>Band2_WCDMA 1900</b> | <u>Measurement 17</u> : Validation Plane with Body device position on Middle Channel in WCDMA mode |
| <b>Phone</b> | <b>Band2_WCDMA 1900</b> | <u>Measurement 18</u> : Validation Plane with Body device position on Middle Channel in WCDMA mode |
| <b>Phone</b> | <b>Band2_WCDMA 1900</b> | <u>Measurement 19</u> : Validation Plane with Body device position on Middle Channel in WCDMA mode |
| <b>Phone</b> | <b>Band5_WCDMA 850</b>  | <u>Measurement 20</u> : Right Head with Cheek device position on Middle Channel in WCDMA mode      |
| <b>Phone</b> | <b>Band5_WCDMA 850</b>  | <u>Measurement 21</u> : Right Head with Tilt device position on Middle Channel in WCDMA mode       |
| <b>Phone</b> | <b>Band5_WCDMA 850</b>  | <u>Measurement 22</u> : Left Head with Cheek device position on Middle Channel in WCDMA mode       |
| <b>Phone</b> | <b>Band5_WCDMA 850</b>  | <u>Measurement 23</u> : Left Head with Tilt device position on Middle Channel in WCDMA mode        |
| <b>Phone</b> | <b>Band5_WCDMA 850</b>  | <u>Measurement 24</u> : Validation Plane with Body device position on Low Channel in WCDMA mode    |
| <b>Phone</b> | <b>Band5_WCDMA 850</b>  | <u>Measurement 25</u> : Validation Plane with Body device position on Middle Channel in WCDMA mode |
| <b>Phone</b> | <b>Band5_WCDMA 850</b>  | <u>Measurement 26</u> : Validation Plane with Body device position on Middle Channel in WCDMA mode |
| <b>Phone</b> | <b>Band5_WCDMA 850</b>  | <u>Measurement 27</u> : Validation Plane with Body device position on Middle Channel in WCDMA mode |
| <b>Phone</b> | <b>Band5_WCDMA 850</b>  | <u>Measurement 28</u> : Validation Plane with Body device position on Middle Channel in WCDMA mode |
| <b>Phone</b> | <b>Band5_WCDMA 850</b>  | <u>Measurement 29</u> : Validation Plane with Body device position on Middle Channel in WCDMA mode |
| <b>Phone</b> | <b>Band5_WCDMA 850</b>  | <u>Measurement 30</u> : Validation Plane with Body device position on High Channel in WCDMA mode   |
| <b>Phone</b> | <b>IEEE 802.11b ISM</b> | <u>Measurement 31</u> : Right Head with Cheek device position on High Channel in --- mode          |

|              |                             |                                                                                               |
|--------------|-----------------------------|-----------------------------------------------------------------------------------------------|
| <b>Phone</b> | <b>IEEE 802.11b<br/>ISM</b> | <u>Measurement 32:</u> Right Head with Tilt device position on High Channel in --- mode       |
| <b>Phone</b> | <b>IEEE 802.11b<br/>ISM</b> | <u>Measurement 33:</u> Left Head with Cheek device position on High Channel in --- mode       |
| <b>Phone</b> | <b>IEEE 802.11b<br/>ISM</b> | <u>Measurement 34:</u> Left Head with Tilt device position on High Channel in --- mode        |
| <b>Phone</b> | <b>IEEE 802.11b<br/>ISM</b> | <u>Measurement 35:</u> Validation Plane with Body device position on High Channel in --- mode |
| <b>Phone</b> | <b>IEEE 802.11b<br/>ISM</b> | <u>Measurement 36:</u> Validation Plane with Body device position on High Channel in --- mode |
| <b>Phone</b> | <b>IEEE 802.11b<br/>ISM</b> | <u>Measurement 37:</u> Validation Plane with Body device position on High Channel in --- mode |
| <b>Phone</b> | <b>CUSTOM</b>               | <u>Measurement 38:</u> Validation Plane with Body device position (band GPRS850_3Tx)          |
| <b>Phone</b> | <b>CUSTOM</b>               | <u>Measurement 39:</u> Validation Plane with Body device position (band GPRS850_3Tx)          |
| <b>Phone</b> | <b>CUSTOM</b>               | <u>Measurement 40:</u> Validation Plane with Body device position (band GPRS850_3Tx)          |
| <b>Phone</b> | <b>CUSTOM</b>               | <u>Measurement 41:</u> Validation Plane with Body device position (band GPRS850_3Tx)          |
| <b>Phone</b> | <b>CUSTOM</b>               | <u>Measurement 42:</u> Validation Plane with Body device position (band GPRS850_3Tx)          |
| <b>Phone</b> | <b>CUSTOM</b>               | <u>Measurement 43:</u> Validation Plane with Body device position (band GPRS850_3Tx)          |
| <b>Phone</b> | <b>CUSTOM</b>               | <u>Measurement 44:</u> Validation Plane with Body device position (band GPRS1900_4Tx)         |
| <b>Phone</b> | <b>CUSTOM</b>               | <u>Measurement 45:</u> Validation Plane with Body device position (band GPRS1900_4Tx)         |
| <b>Phone</b> | <b>CUSTOM</b>               | <u>Measurement 46:</u> Validation Plane with Body device position (band GPRS1900_4Tx)         |
| <b>Phone</b> | <b>CUSTOM</b>               | <u>Measurement 47:</u> Validation Plane with Body device position (band GPRS1900_4Tx)         |
| <b>Phone</b> | <b>CUSTOM</b>               | <u>Measurement 48:</u> Validation Plane with Body device position (band GPRS1900_4Tx)         |
| <b>Phone</b> | <b>CUSTOM</b>               | <u>Measurement 49:</u> Validation Plane with Body device position (band GPRS1900_4Tx)         |

## MEASUREMENT 1

Right\_cheek\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 11 minutes 3 seconds

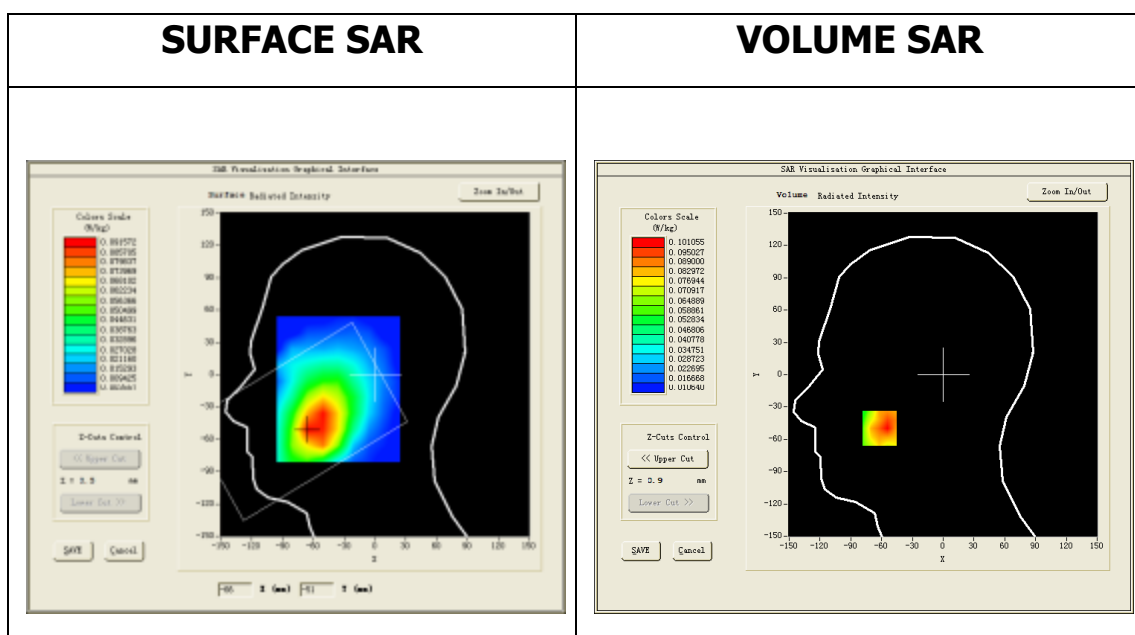
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Right head</u>                                    |
| <b><u>Device Position</u></b> | <u>Cheek</u>                                         |
| <b><u>Band</u></b>            | <u>GSM850</u>                                        |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>TDMA (Crest factor: 8.0)</u>                      |

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

Middle Band SAR (Channel 190):

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.599976 |
| <b>Relative permittivity (real part)</b>      | 39.776080  |
| <b>Relative permittivity (imaginary part)</b> | 19.381620  |
| <b>Conductivity (S/m)</b>                     | 0.900192   |
| <b>Variation (%)</b>                          | -2.970000  |
| <b>ConvF</b>                                  | 5.94       |

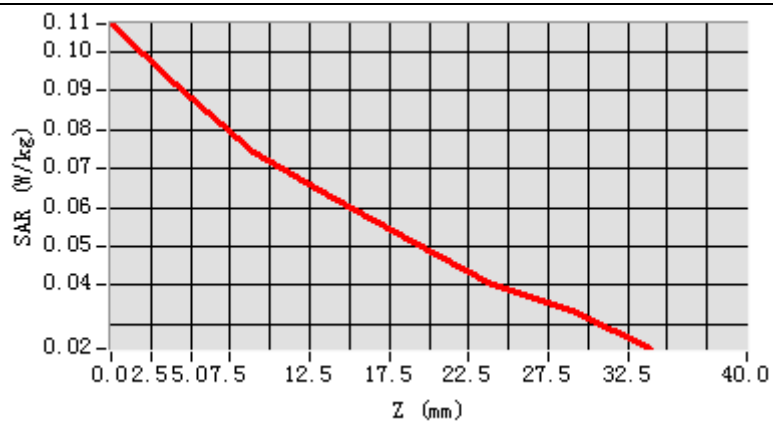


**Maximum location: X=-62.00, Y=-50.00**

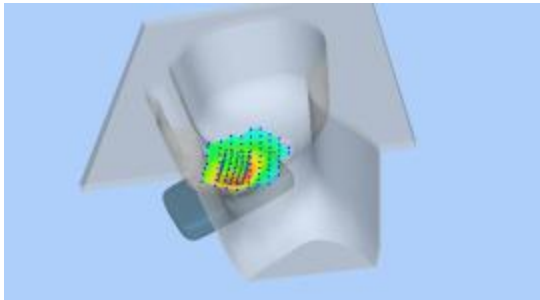
**SAR Peak: 0.12 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.070230 |
| <b>SAR 1g (W/Kg)</b>  | 0.094647 |

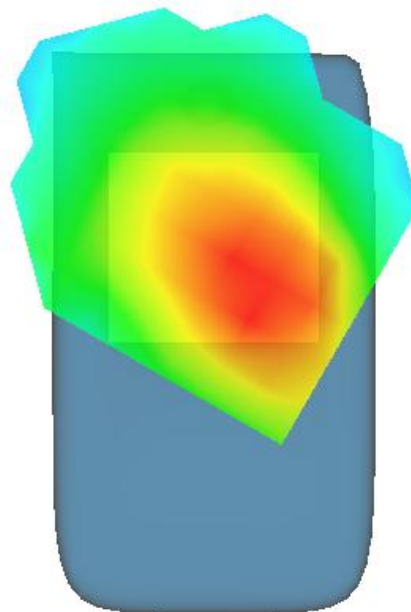
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 2

Right\_tilt\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 10 minutes 5 seconds

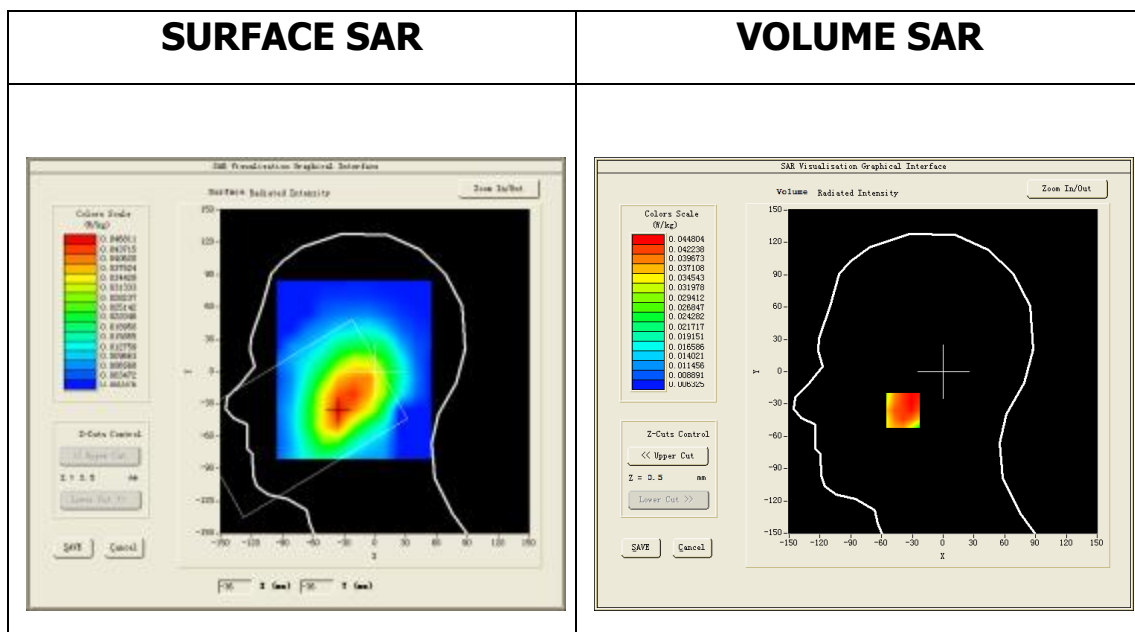
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Right head</u>                                    |
| <b><u>Device Position</u></b> | <u>Tilt</u>                                          |
| <b><u>Band</u></b>            | <u>GSM850</u>                                        |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>TDMA (Crest factor: 8.0)</u>                      |

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

Middle Band SAR (Channel 190):

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.599976 |
| <b>Relative permittivity (real part)</b>      | 39.776080  |
| <b>Relative permittivity (imaginary part)</b> | 19.381620  |
| <b>Conductivity (S/m)</b>                     | 0.900192   |
| <b>Variation (%)</b>                          | -0.340000  |
| <b>ConvF</b>                                  | 5.94       |

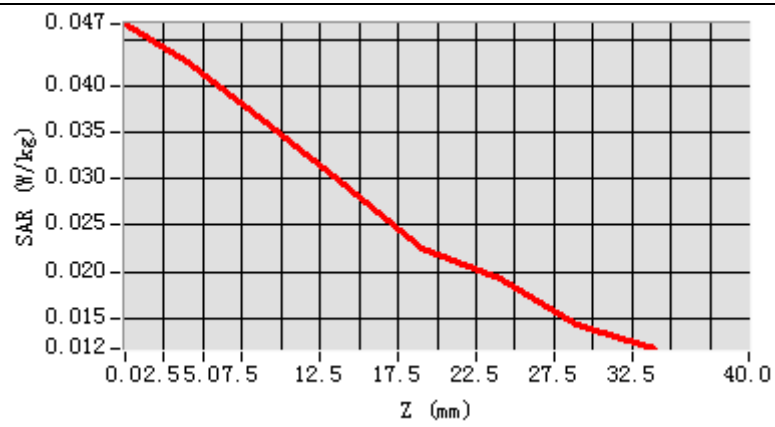


**Maximum location: X=-35.00, Y=-36.00**

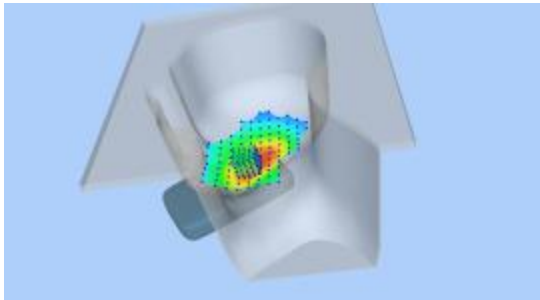
**SAR Peak: 0.06 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.033334 |
| <b>SAR 1g (W/Kg)</b>  | 0.043613 |

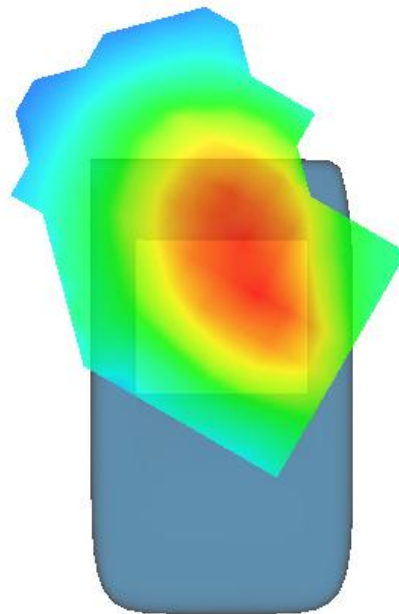
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 3

Left\_cheek\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 11 minutes 3 seconds

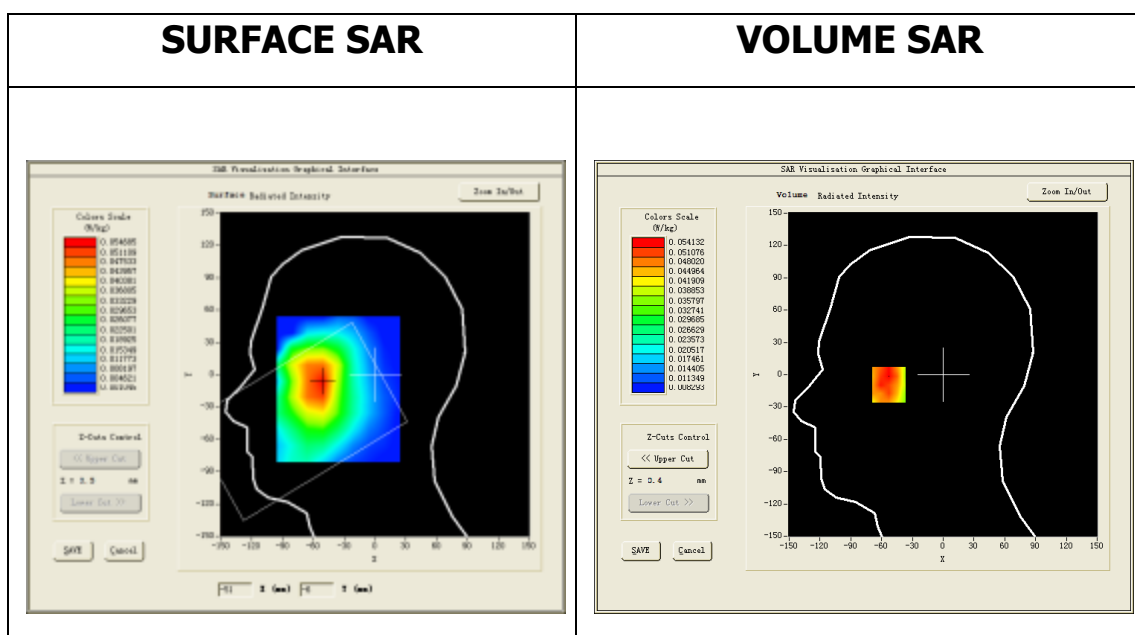
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Left head</u>                                     |
| <b><u>Device Position</u></b> | <u>Cheek</u>                                         |
| <b><u>Band</u></b>            | <u>GSM850</u>                                        |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>TDMA (Crest factor: 8.0)</u>                      |

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

Middle Band SAR (Channel 190):

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.599976 |
| <b>Relative permittivity (real part)</b>      | 39.776080  |
| <b>Relative permittivity (imaginary part)</b> | 19.381620  |
| <b>Conductivity (S/m)</b>                     | 0.900192   |
| <b>Variation (%)</b>                          | -0.570000  |
| <b>ConvF</b>                                  | 5.94       |

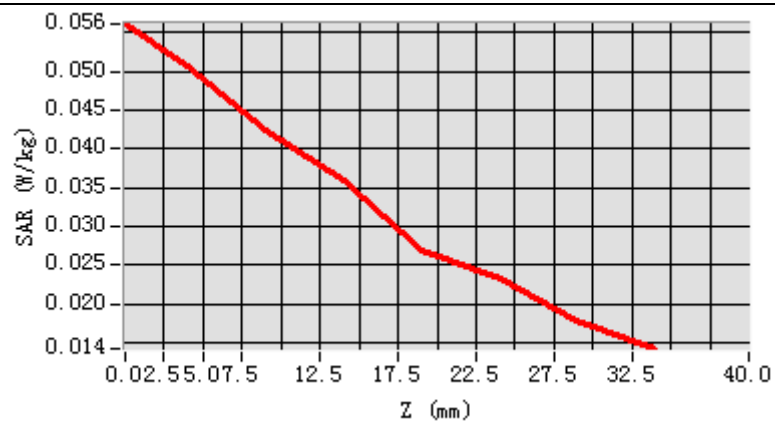


**Maximum location: X=-53.00, Y=-7.00**

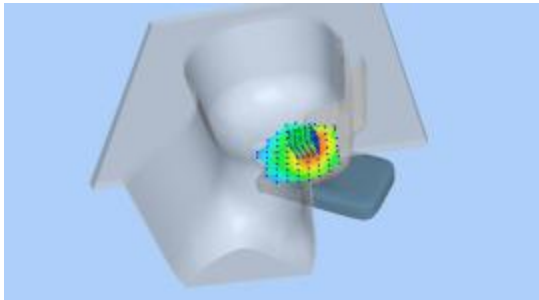
**SAR Peak: 0.07 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.039598 |
| <b>SAR 1g (W/Kg)</b>  | 0.052966 |

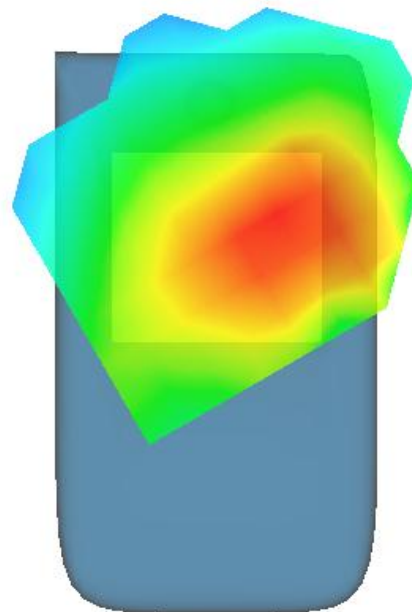
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 4

Left\_tilt\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 9 minutes 55 seconds

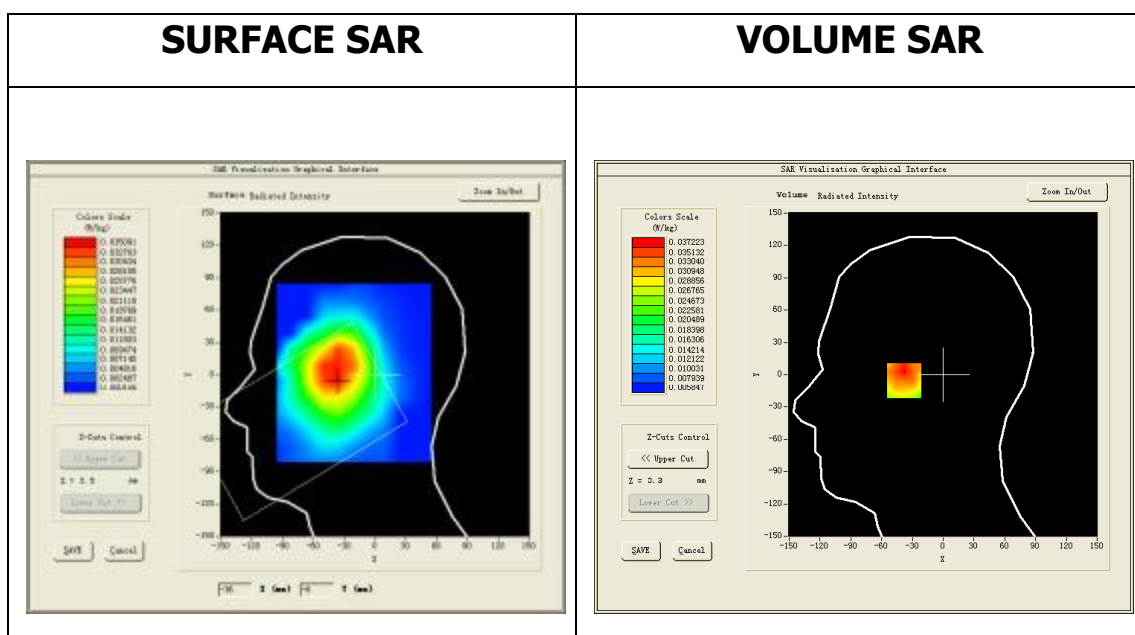
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Left head</u>                                     |
| <b><u>Device Position</u></b> | <u>Tilt</u>                                          |
| <b><u>Band</u></b>            | <u>GSM850</u>                                        |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>TDMA (Crest factor: 8.0)</u>                      |

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

Middle Band SAR (Channel 190):

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.599976 |
| <b>Relative permittivity (real part)</b>      | 39.776080  |
| <b>Relative permittivity (imaginary part)</b> | 19.381620  |
| <b>Conductivity (S/m)</b>                     | 0.900192   |
| <b>Variation (%)</b>                          | 0.400000   |
| <b>ConvF</b>                                  | 5.94       |

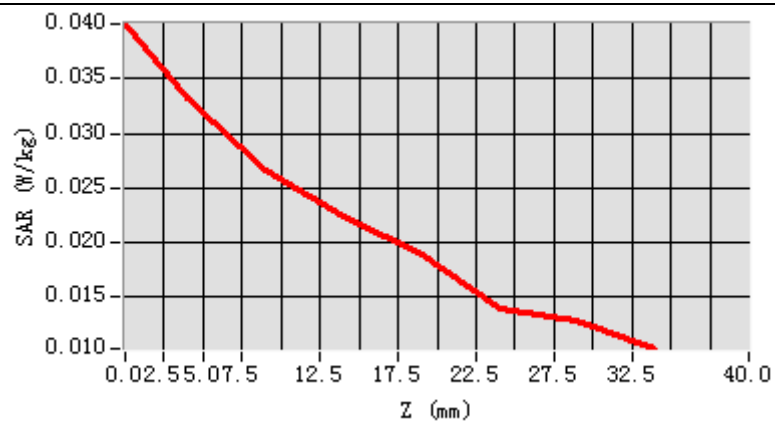


**Maximum location: X=-38.00, Y=-3.00**

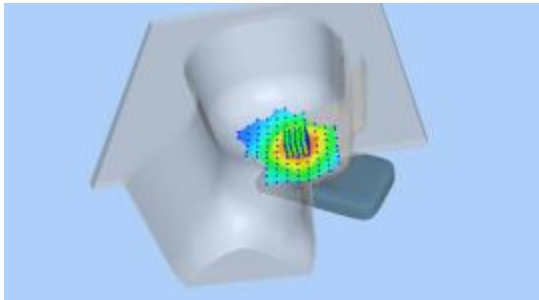
**SAR Peak: 0.05 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.026625 |
| <b>SAR 1g (W/Kg)</b>  | 0.036375 |

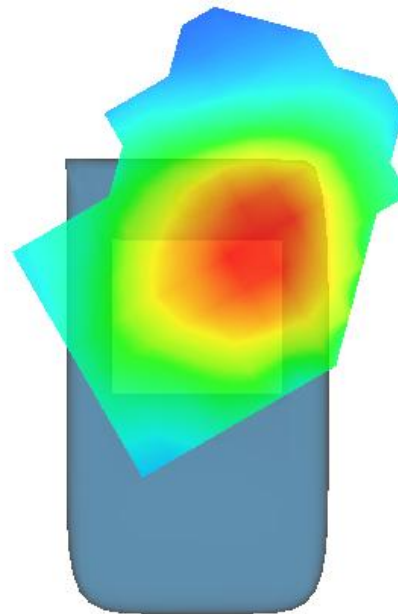
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 5

Towards\_ground\_with\_headset\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 9 minutes 27 seconds

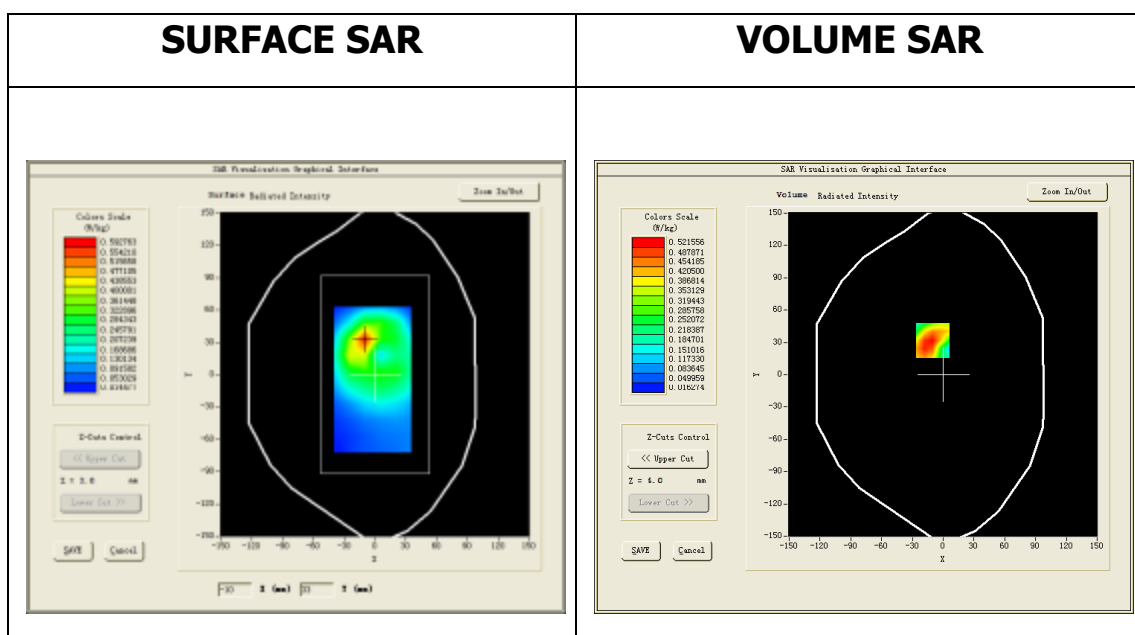
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>GSM850</u>                                        |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>TDMA (Crest factor: 8.0)</u>                      |

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

Middle Band SAR (Channel 190):

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.599976 |
| <b>Relative permittivity (real part)</b>      | 53.388620  |
| <b>Relative permittivity (imaginary part)</b> | 20.748321  |
| <b>Conductivity (S/m)</b>                     | 0.963316   |
| <b>Variation (%)</b>                          | 4.050000   |
| <b>ConvF</b>                                  | 6.17       |

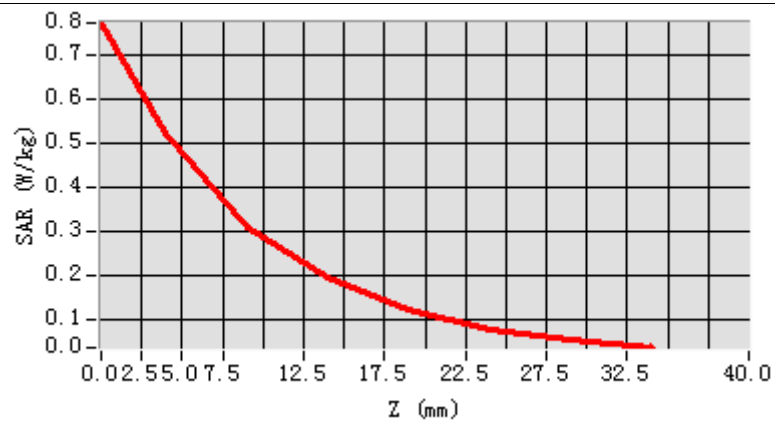


**Maximum location: X=-10.00, Y=32.00**

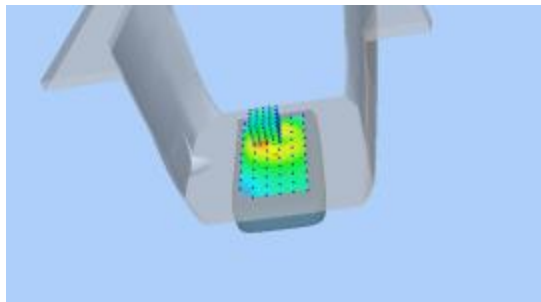
**SAR Peak: 0.84 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.313945 |
| <b>SAR 1g (W/Kg)</b>  | 0.541569 |

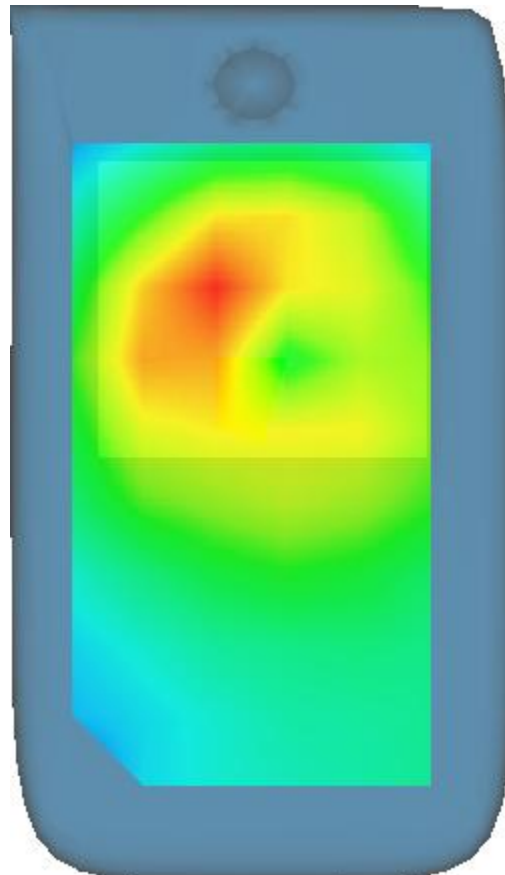
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 6

Right\_cheek\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 11 minutes 25 seconds

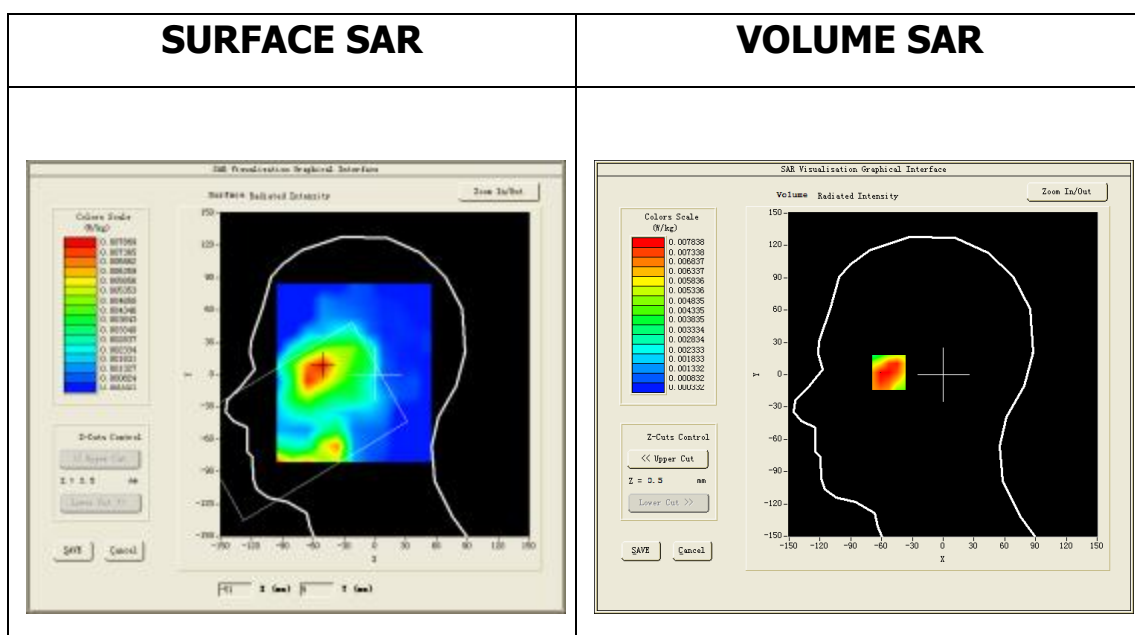
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Right head</u>                                    |
| <b><u>Device Position</u></b> | <u>Cheek</u>                                         |
| <b><u>Band</u></b>            | <u>GSM1900</u>                                       |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>TDMA (Crest factor: 8.0)</u>                      |

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

Middle Band SAR (Channel 661):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 39.443699   |
| <b>Relative permittivity (imaginary part)</b> | 13.556300   |
| <b>Conductivity (S/m)</b>                     | 1.415880    |
| <b>Variation (%)</b>                          | 2.990000    |
| <b>ConvF</b>                                  | 6.08        |

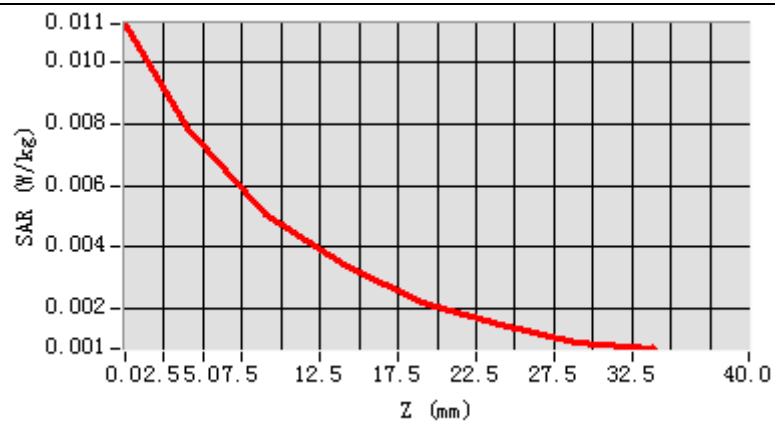


**Maximum location: X=-53.00, Y=7.00**

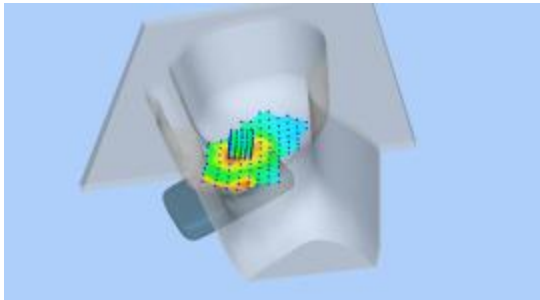
**SAR Peak: 0.01 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.004636 |
| <b>SAR 1g (W/Kg)</b>  | 0.007684 |

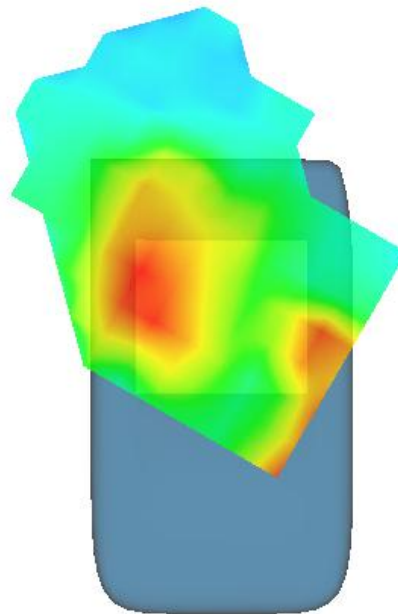
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 7

Right\_tilt\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 9 minutes 36 seconds

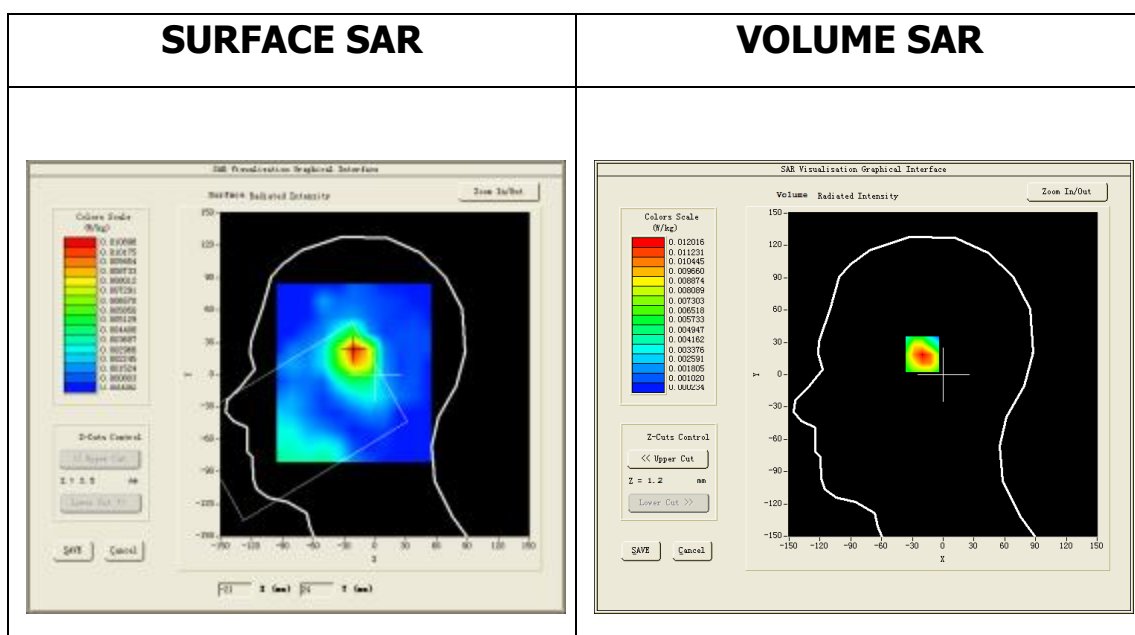
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Right head</u>                                    |
| <b><u>Device Position</u></b> | <u>Tilt</u>                                          |
| <b><u>Band</u></b>            | <u>GSM1900</u>                                       |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>TDMA (Crest factor: 8.0)</u>                      |

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

Middle Band SAR (Channel 661):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 39.443699   |
| <b>Relative permittivity (imaginary part)</b> | 13.556300   |
| <b>Conductivity (S/m)</b>                     | 1.415880    |
| <b>Variation (%)</b>                          | -2.330000   |
| <b>ConvF</b>                                  | 6.08        |

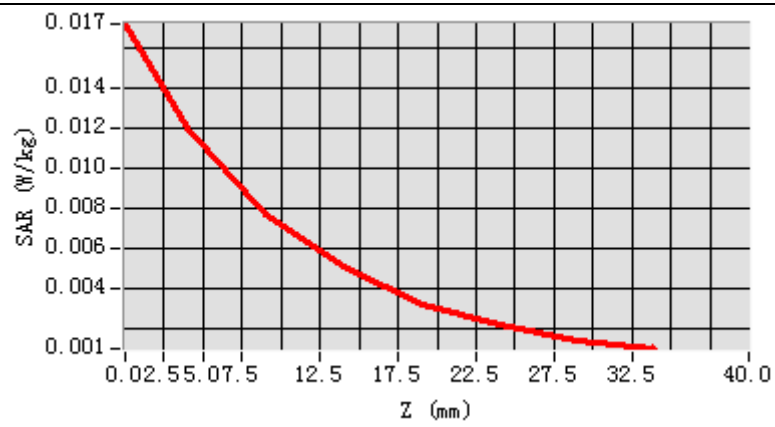


**Maximum location: X=-19.00, Y=22.00**

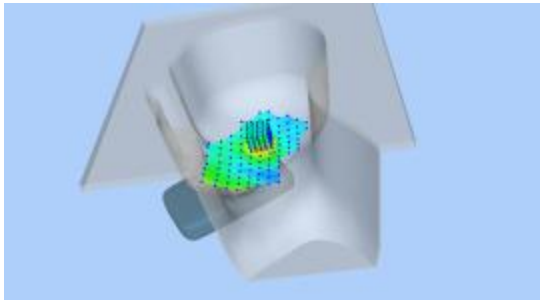
**SAR Peak: 0.02 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.006552 |
| <b>SAR 1g (W/Kg)</b>  | 0.011413 |

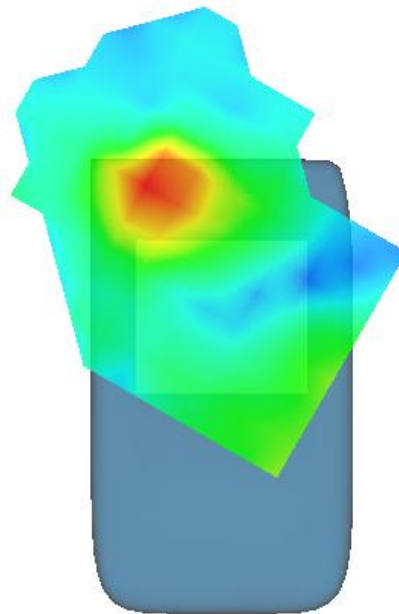
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 8

Left\_cheek\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 11 minutes 10 seconds

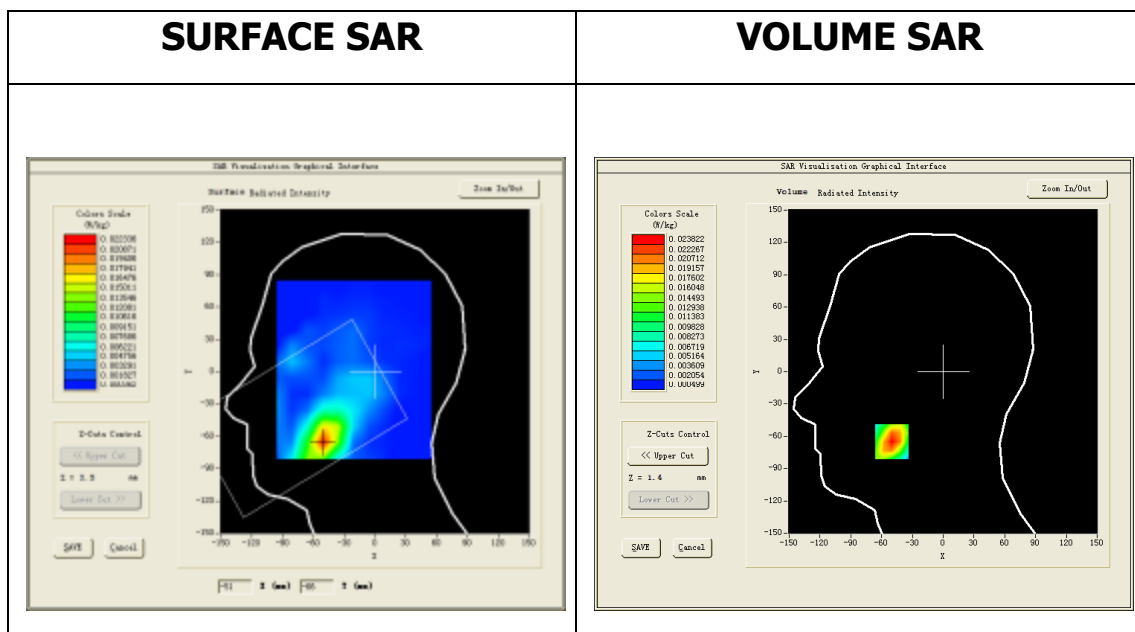
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Left head</u>                                     |
| <b><u>Device Position</u></b> | <u>Cheek</u>                                         |
| <b><u>Band</u></b>            | <u>GSM1900</u>                                       |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>TDMA (Crest factor: 8.0)</u>                      |

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

Middle Band SAR (Channel 661):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 39.443699   |
| <b>Relative permittivity (imaginary part)</b> | 13.556300   |
| <b>Conductivity (S/m)</b>                     | 1.415880    |
| <b>Variation (%)</b>                          | 0.300000    |
| <b>ConvF</b>                                  | 6.08        |

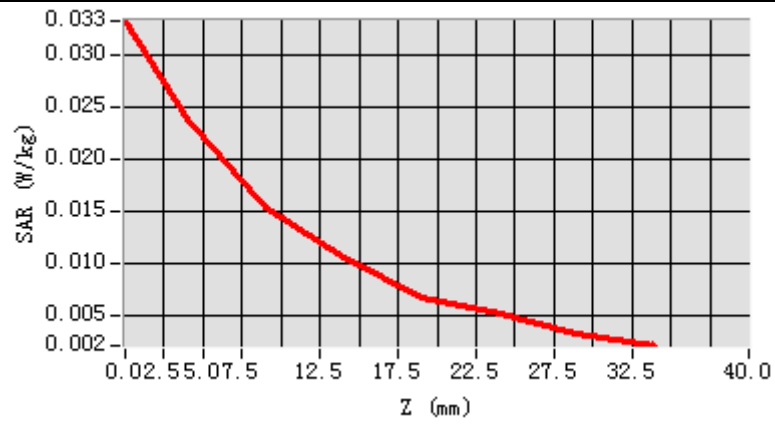


**Maximum location: X=-50.00, Y=-65.00**

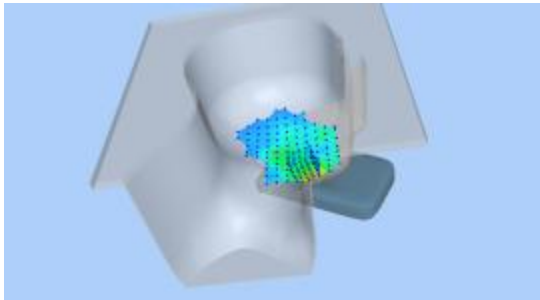
**SAR Peak: 0.03 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.013134 |
| <b>SAR 1g (W/Kg)</b>  | 0.022698 |

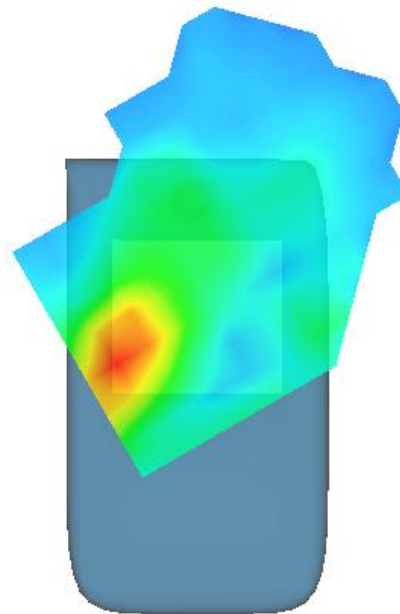
### Z axis scan



### 3D screen shot



### Hot spot position



## EASUREMENT 9

Left\_tilt\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 9 minutes 44 seconds

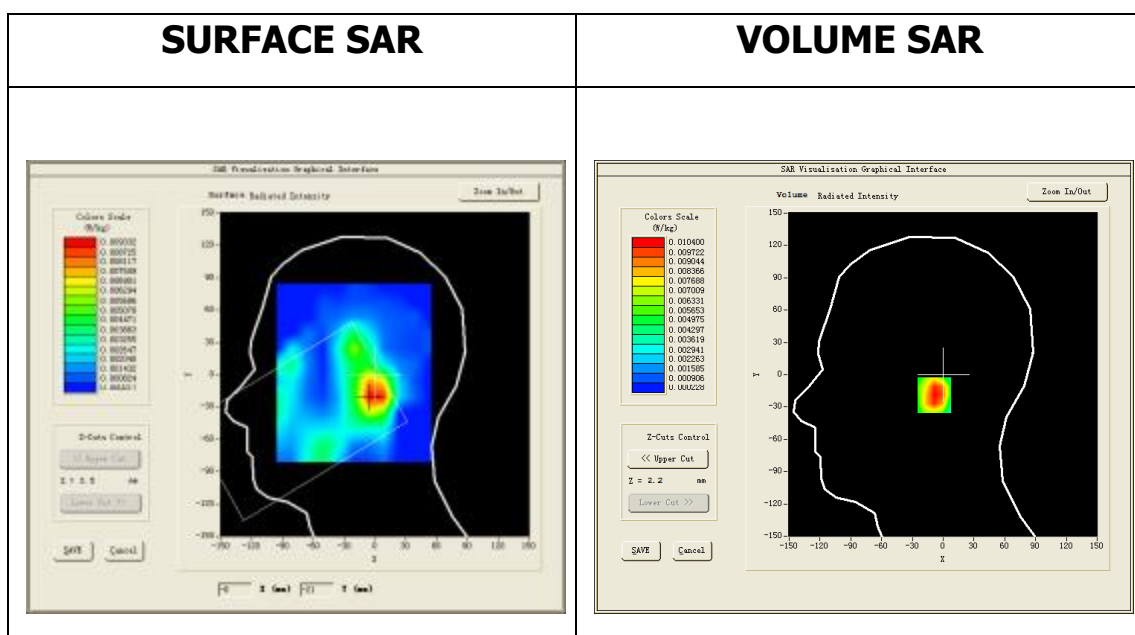
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Left head</u>                                     |
| <b><u>Device Position</u></b> | <u>Tilt</u>                                          |
| <b><u>Band</u></b>            | <u>GSM1900</u>                                       |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>TDMA (Crest factor: 8.0)</u>                      |

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

Middle Band SAR (Channel 661):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 39.443699   |
| <b>Relative permittivity (imaginary part)</b> | 13.556300   |
| <b>Conductivity (S/m)</b>                     | 1.415880    |
| <b>Variation (%)</b>                          | -1.000000   |
| <b>ConvF</b>                                  | 6.08        |

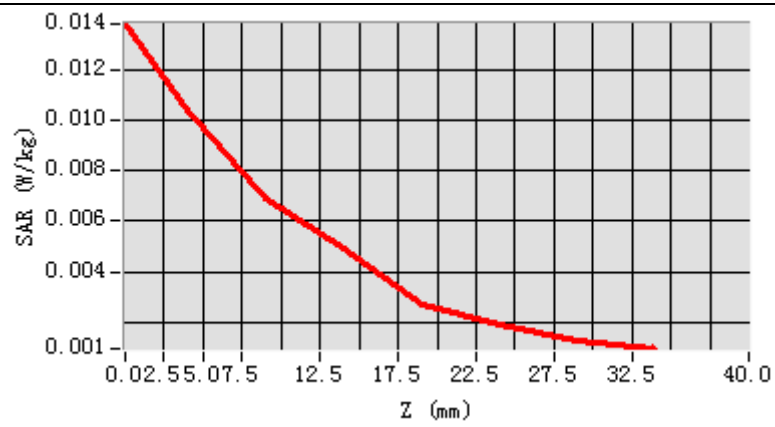


**Maximum location: X=0.00, Y=-19.00**

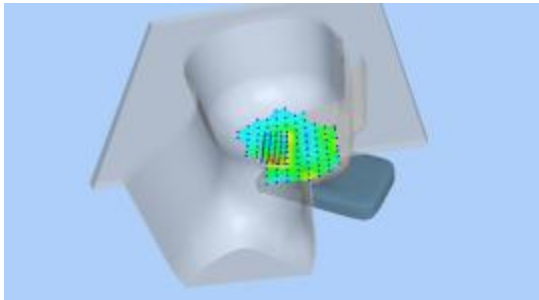
**SAR Peak: 0.02 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.005877 |
| <b>SAR 1g (W/Kg)</b>  | 0.010202 |

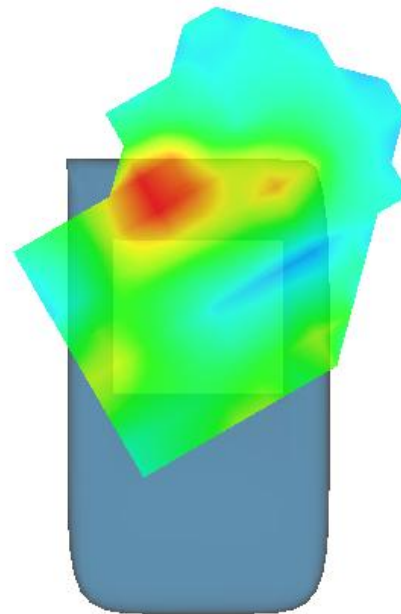
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 10

Towards\_ground\_with\_headset\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 11 minutes 35 seconds

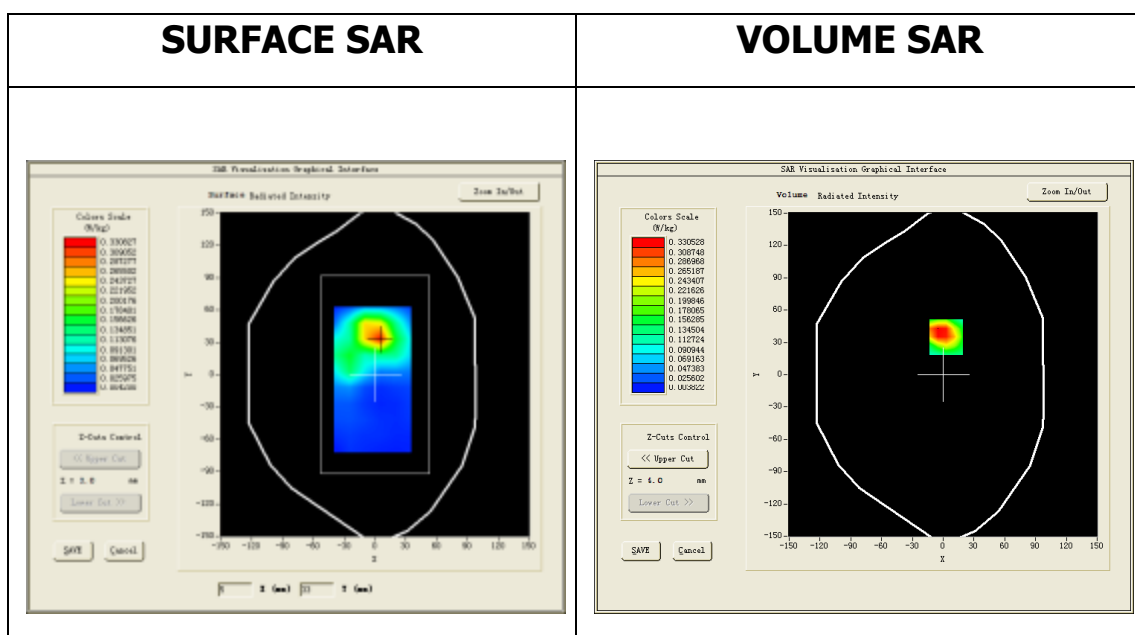
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>GSM1900</u>                                       |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>TDMA (Crest factor: 8.0)</u>                      |

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

Middle Band SAR (Channel 661):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 52.059399   |
| <b>Relative permittivity (imaginary part)</b> | 14.586700   |
| <b>Conductivity (S/m)</b>                     | 1.523500    |
| <b>Variation (%)</b>                          | 4.150000    |
| <b>ConvF</b>                                  | 6.25        |

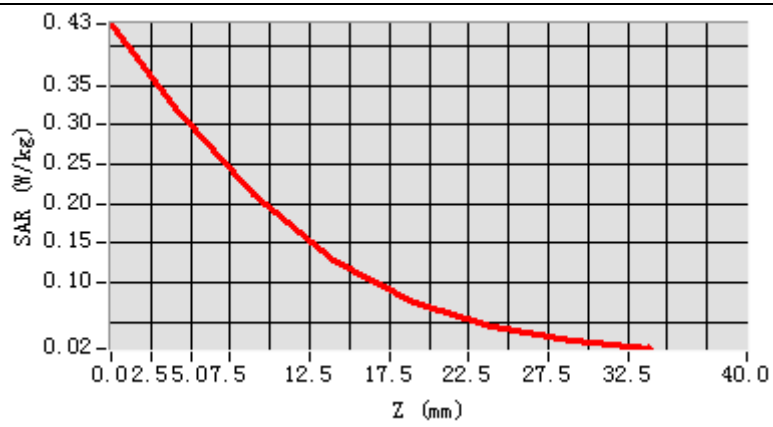


**Maximum location: X=3.00, Y=35.00**

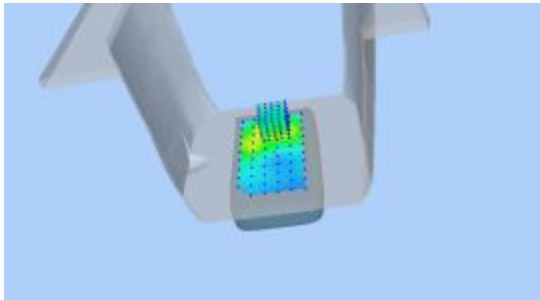
**SAR Peak: 0.53 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.187424 |
| <b>SAR 1g (W/Kg)</b>  | 0.344933 |

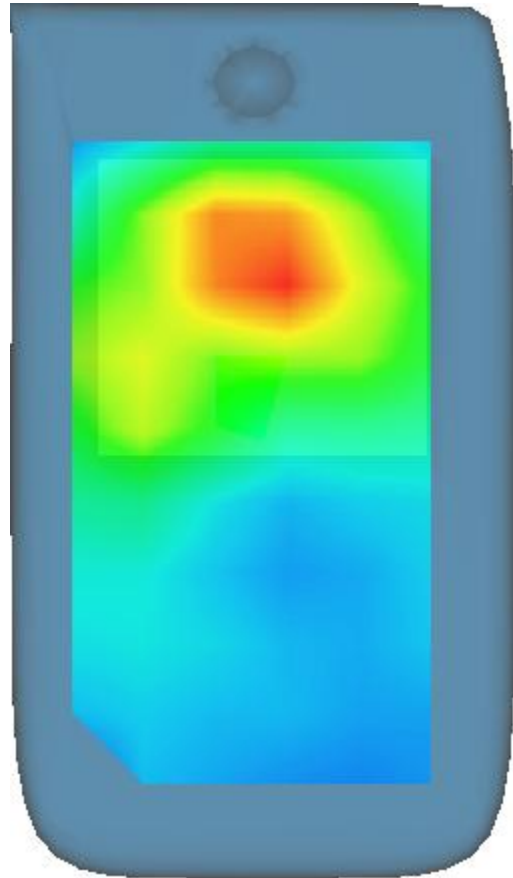
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 11

Right\_cheek\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 10 minutes 26 seconds

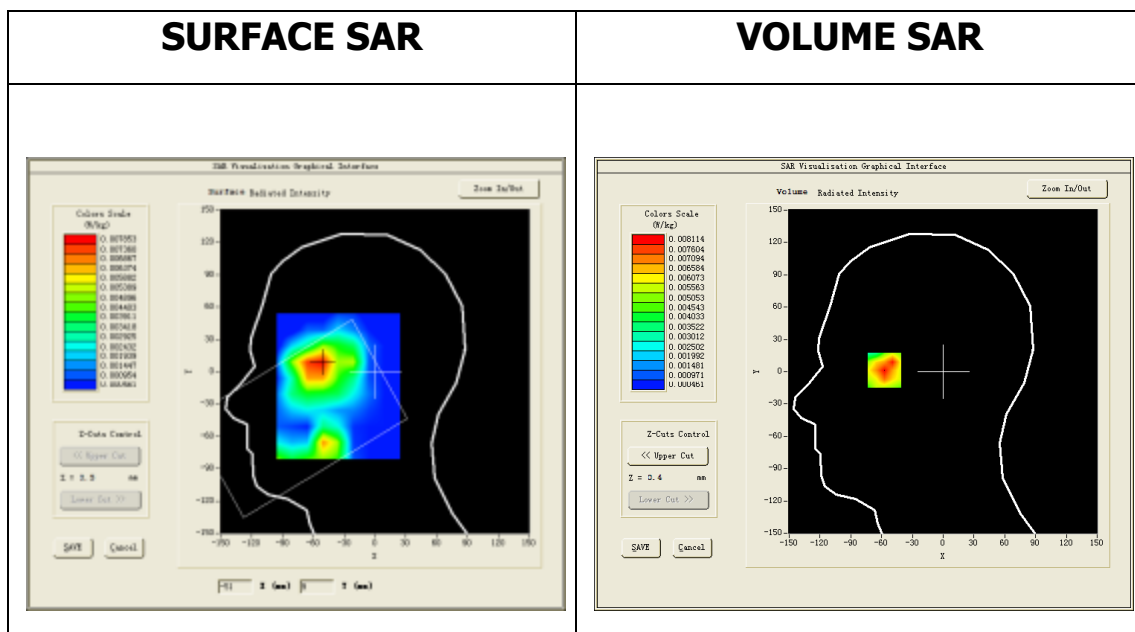
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Right head</u>                                    |
| <b><u>Device Position</u></b> | <u>Cheek</u>                                         |
| <b><u>Band</u></b>            | <u>Band2 WCDMA1900</u>                               |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 9400):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 39.443699   |
| <b>Relative permittivity (imaginary part)</b> | 13.556300   |
| <b>Conductivity (S/m)</b>                     | 1.415880    |
| <b>Variation (%)</b>                          | -2.900000   |
| <b>ConvF</b>                                  | 6.08        |

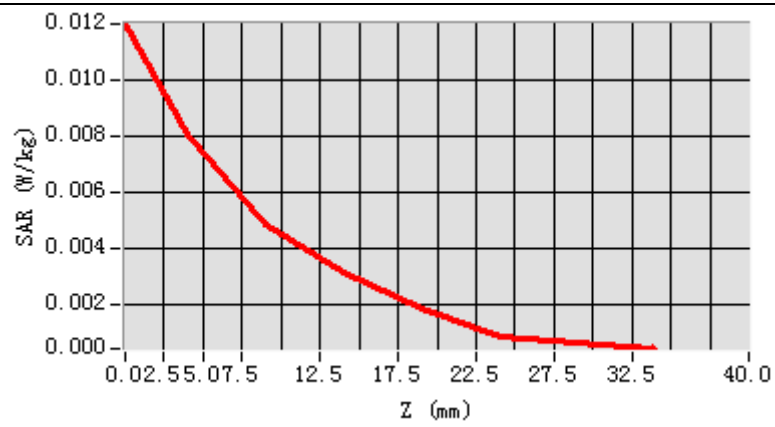


**Maximum location: X=-57.00, Y=6.00**

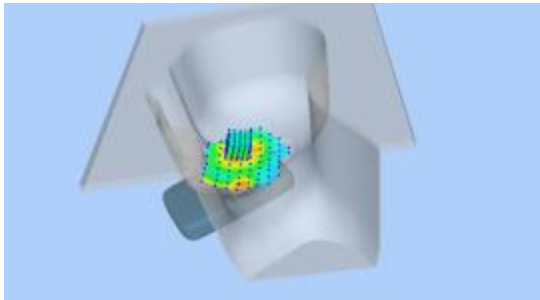
**SAR Peak: 0.01 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.004413 |
| <b>SAR 1g (W/Kg)</b>  | 0.007700 |

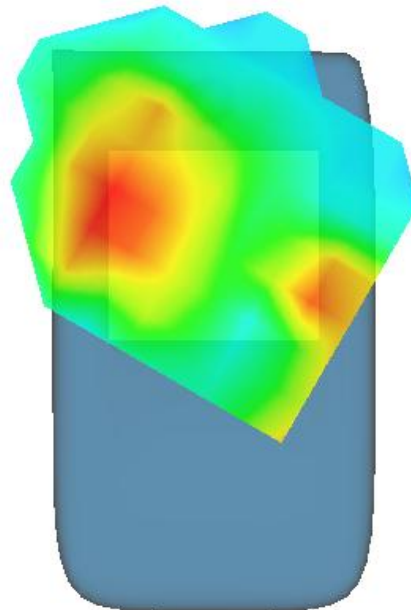
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 12

Right\_tilt\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 9 minutes 40 seconds

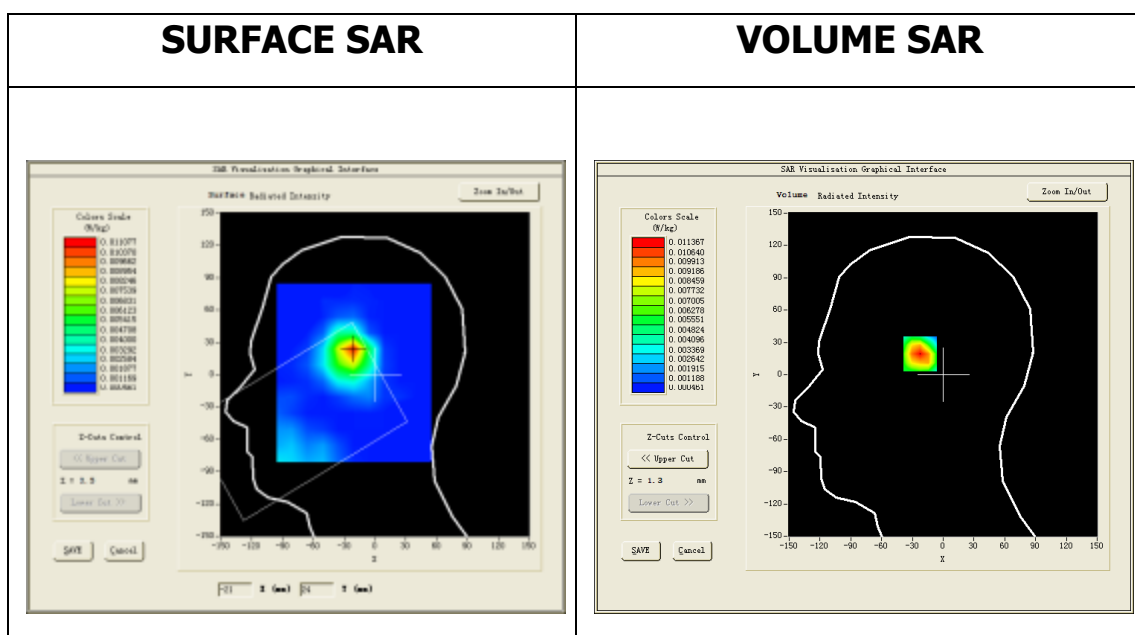
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Right head</u>                                    |
| <b><u>Device Position</u></b> | <u>Tilt</u>                                          |
| <b><u>Band</u></b>            | <u>Band2 WCDMA1900</u>                               |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 9400):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 39.443699   |
| <b>Relative permittivity (imaginary part)</b> | 13.556300   |
| <b>Conductivity (S/m)</b>                     | 1.415880    |
| <b>Variation (%)</b>                          | -2.040000   |
| <b>ConvF</b>                                  | 6.08        |

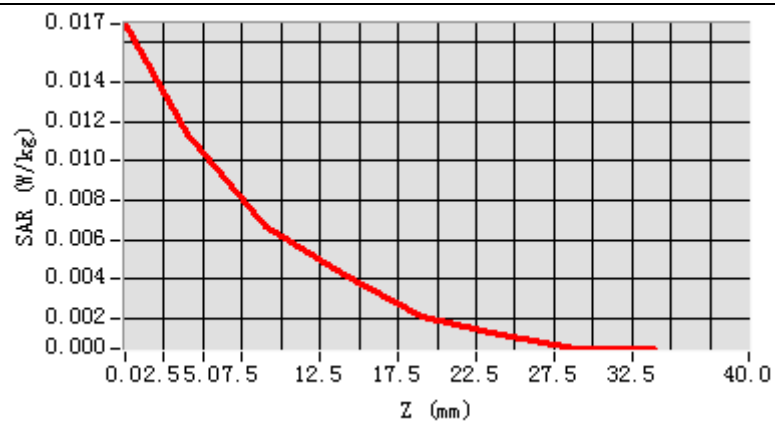


**Maximum location: X=-22.00, Y=23.00**

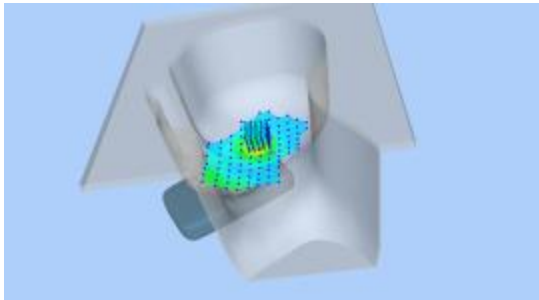
**SAR Peak: 0.02 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.005764 |
| <b>SAR 1g (W/Kg)</b>  | 0.010754 |

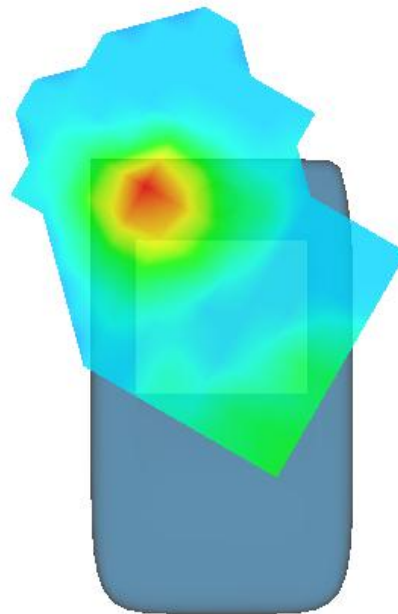
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 13

Left\_cheek\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 10 minutes 39 seconds

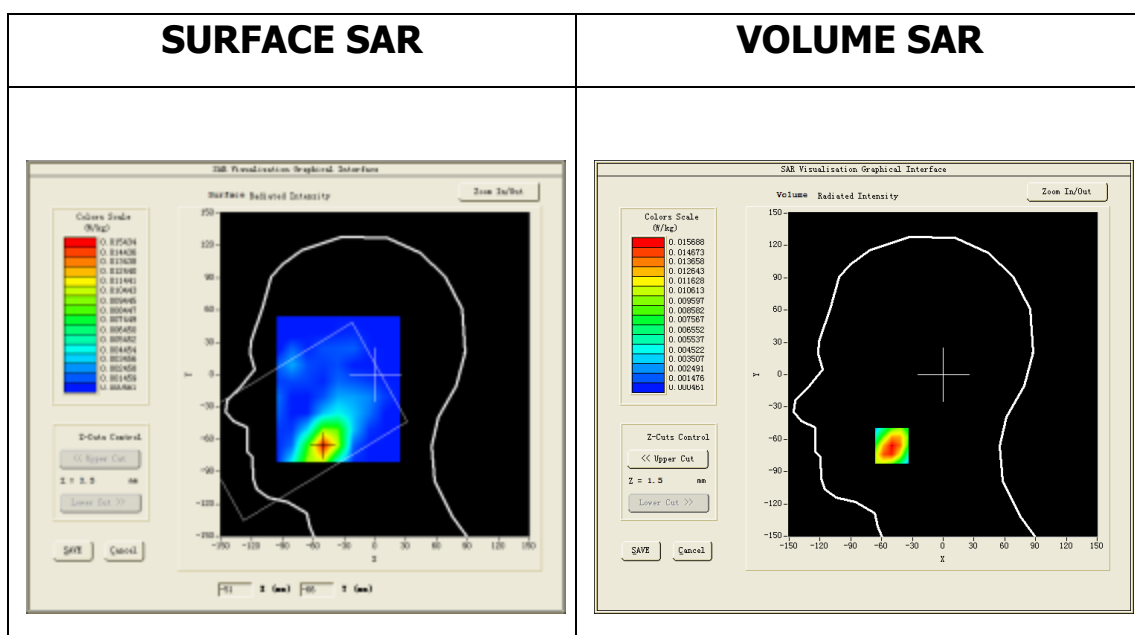
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Left head</u>                                     |
| <b><u>Device Position</u></b> | <u>Cheek</u>                                         |
| <b><u>Band</u></b>            | <u>Band2 WCDMA1900</u>                               |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 9400):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 39.443699   |
| <b>Relative permittivity (imaginary part)</b> | 13.556300   |
| <b>Conductivity (S/m)</b>                     | 1.415880    |
| <b>Variation (%)</b>                          | 0.010000    |
| <b>ConvF</b>                                  | 6.08        |

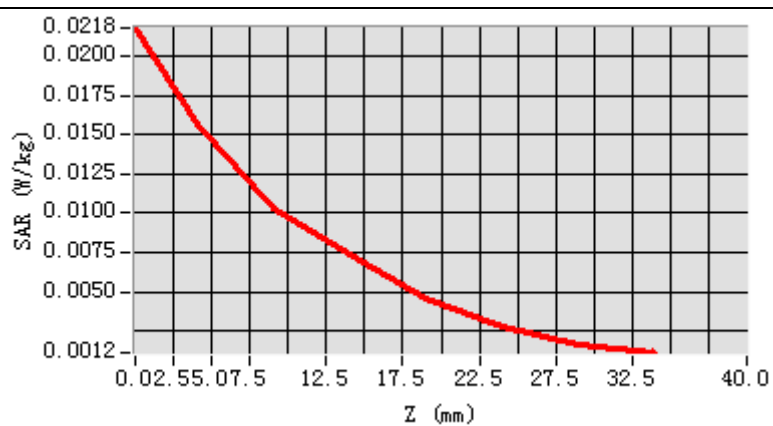


**Maximum location: X=-50.00, Y=-66.00**

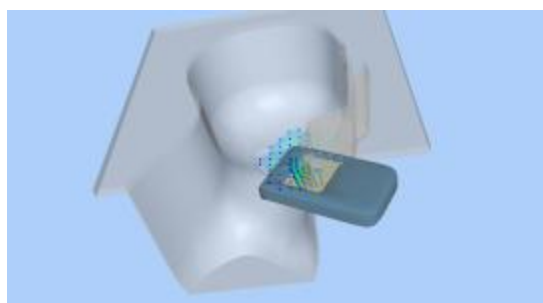
**SAR Peak: 0.02 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.008715 |
| <b>SAR 1g (W/Kg)</b>  | 0.015306 |

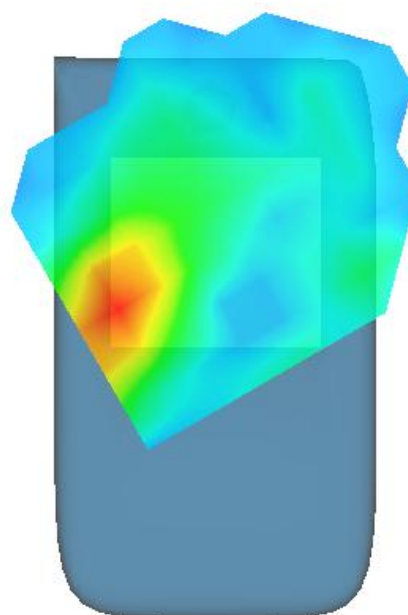
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 14

Left\_tilt\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 9 minutes 51 seconds

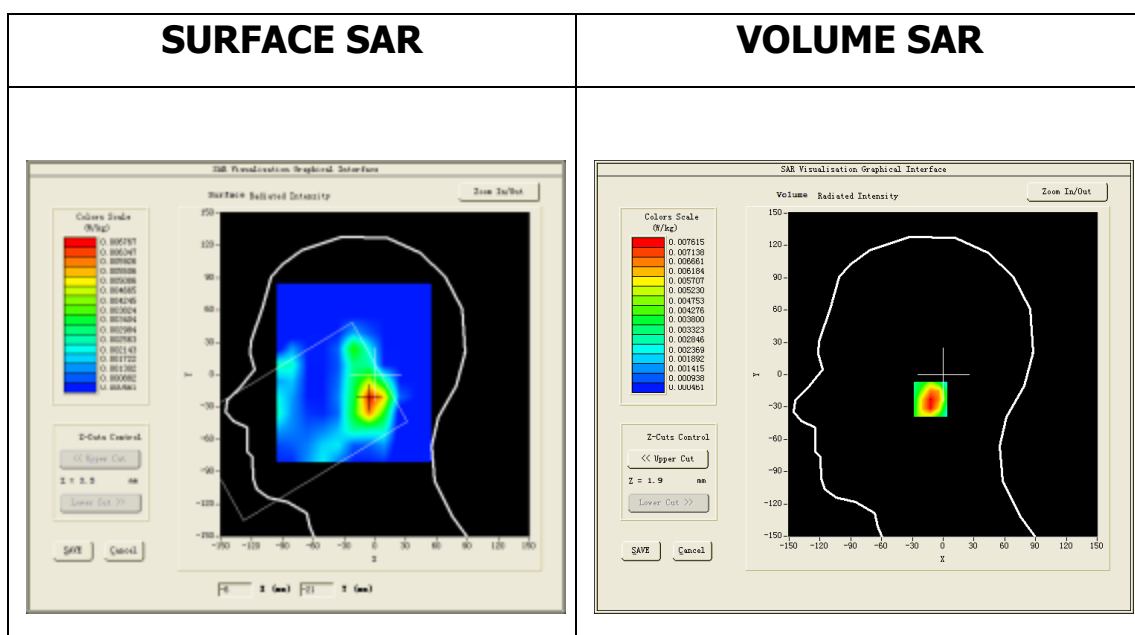
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Left head</u>                                     |
| <b><u>Device Position</u></b> | <u>Tilt</u>                                          |
| <b><u>Band</u></b>            | <u>Band2 WCDMA1900</u>                               |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 9400):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 39.443699   |
| <b>Relative permittivity (imaginary part)</b> | 13.556300   |
| <b>Conductivity (S/m)</b>                     | 1.415880    |
| <b>Variation (%)</b>                          | 1.210000    |
| <b>ConvF</b>                                  | 6.08        |

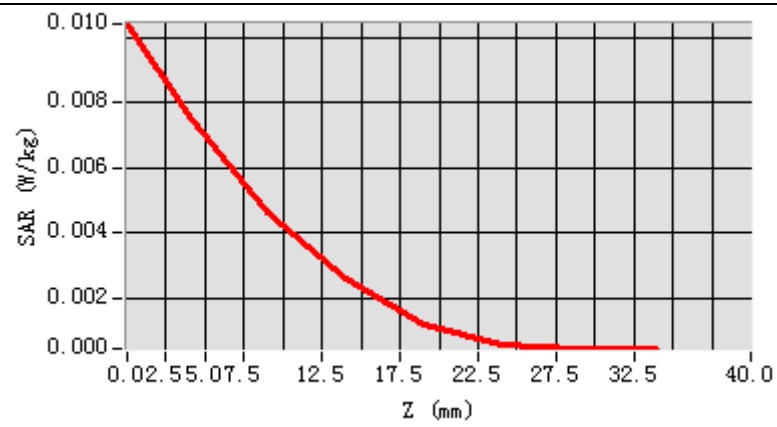


**Maximum location: X=-3.00, Y=-23.00**

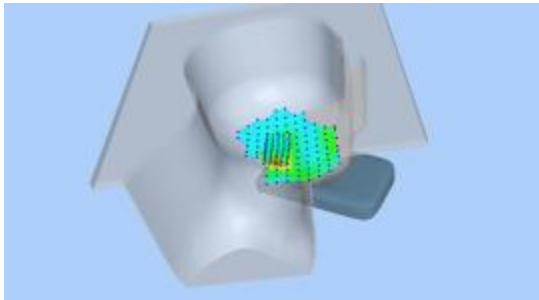
**SAR Peak: 0.01 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.003865 |
| <b>SAR 1g (W/Kg)</b>  | 0.007301 |

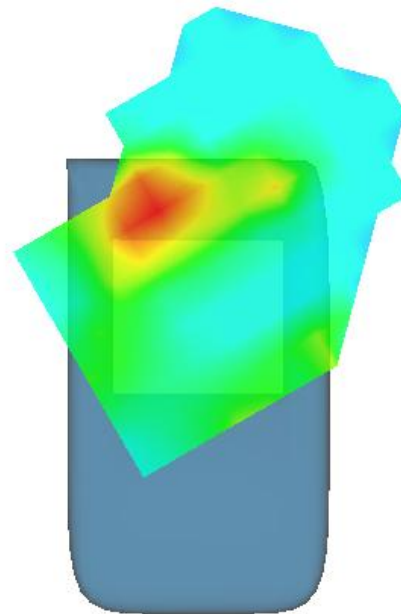
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 15

Bottom\_edge\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 11 minutes 21 seconds

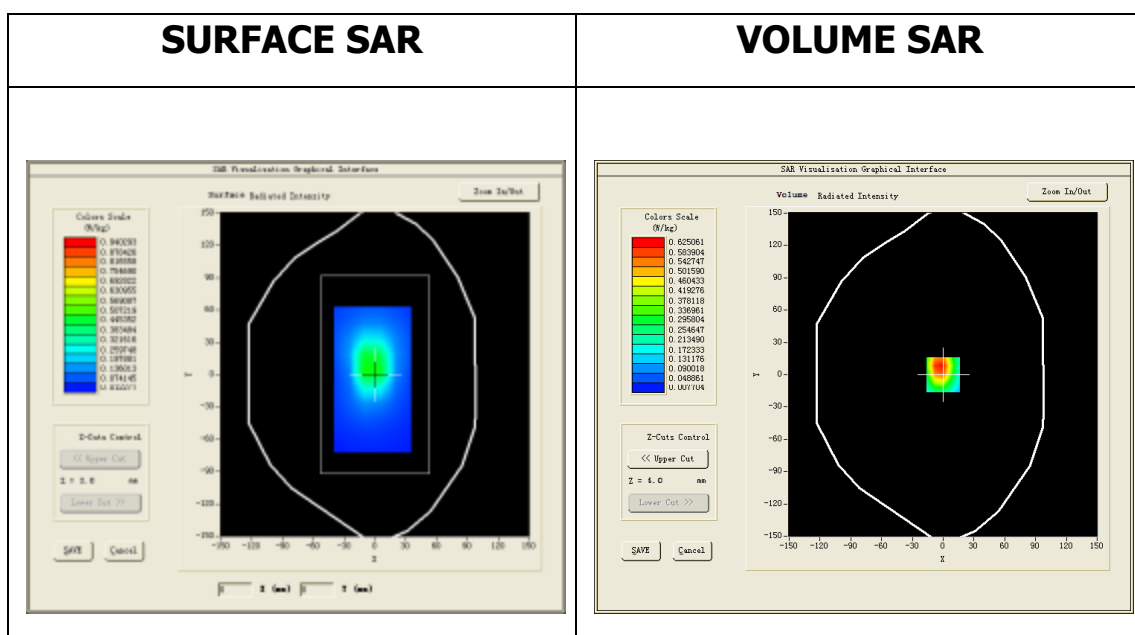
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>Band2 WCDMA1900</u>                               |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 9400):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 52.059399   |
| <b>Relative permittivity (imaginary part)</b> | 14.586700   |
| <b>Conductivity (S/m)</b>                     | 1.523500    |
| <b>Variation (%)</b>                          | 0.780000    |
| <b>ConvF</b>                                  | 6.25        |

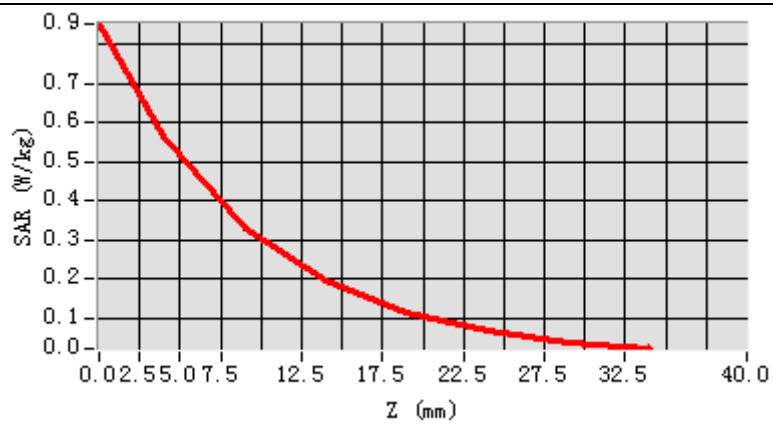


**Maximum location: X=0.00, Y=0.00**

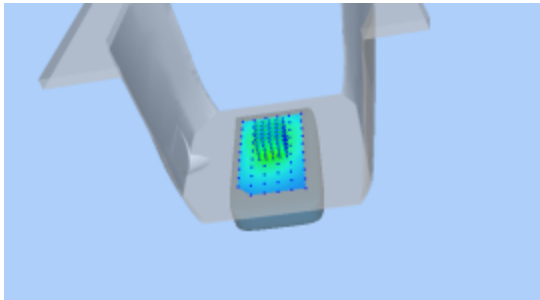
**SAR Peak: 1.09 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.345650 |
| <b>SAR 1g (W/Kg)</b>  | 0.662187 |

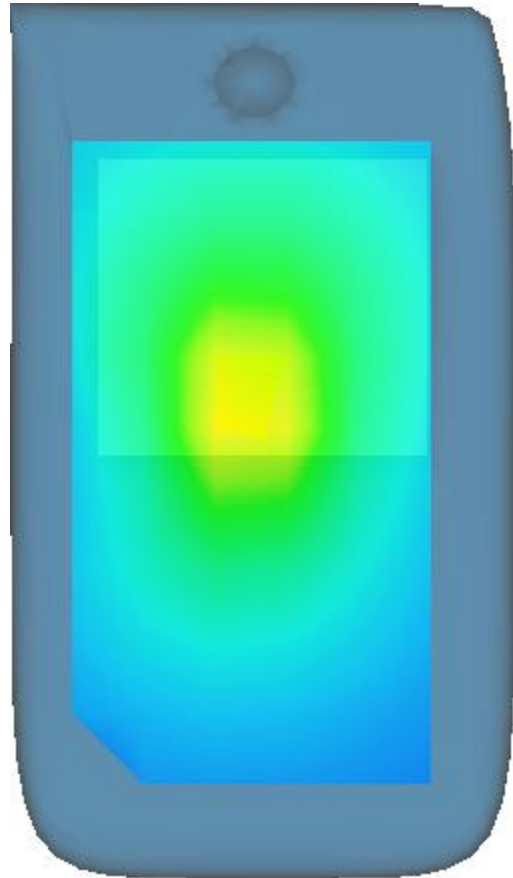
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 16

Left\_edge\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 11 minutes 20 seconds

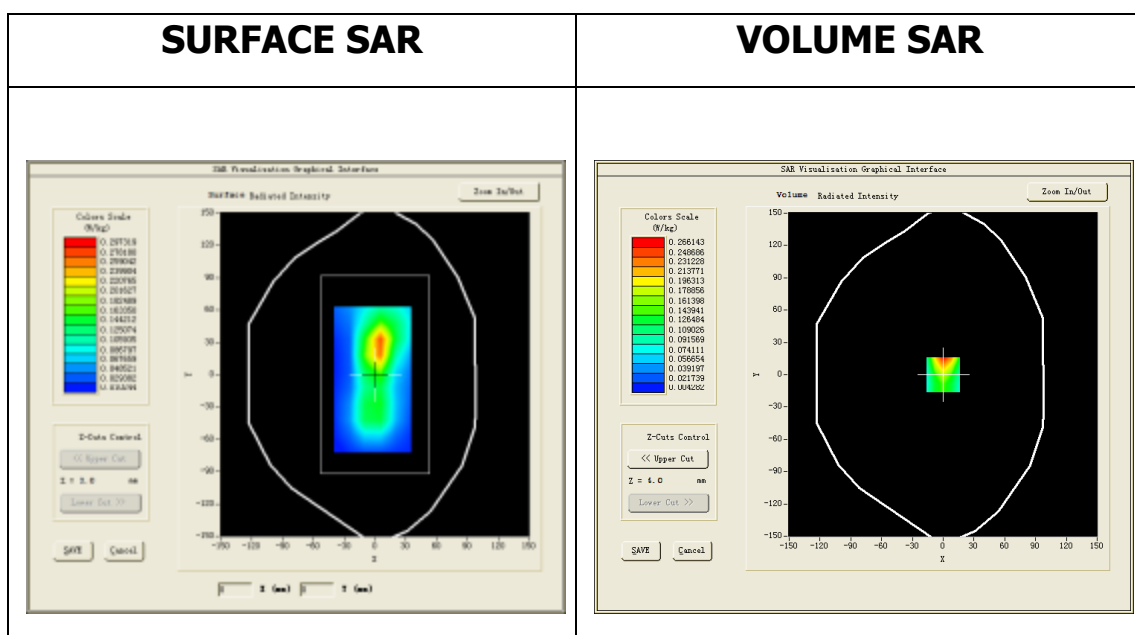
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>Band2 WCDMA1900</u>                               |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 9400):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 52.059399   |
| <b>Relative permittivity (imaginary part)</b> | 14.586700   |
| <b>Conductivity (S/m)</b>                     | 1.523500    |
| <b>Variation (%)</b>                          | -3.930000   |
| <b>ConvF</b>                                  | 6.25        |

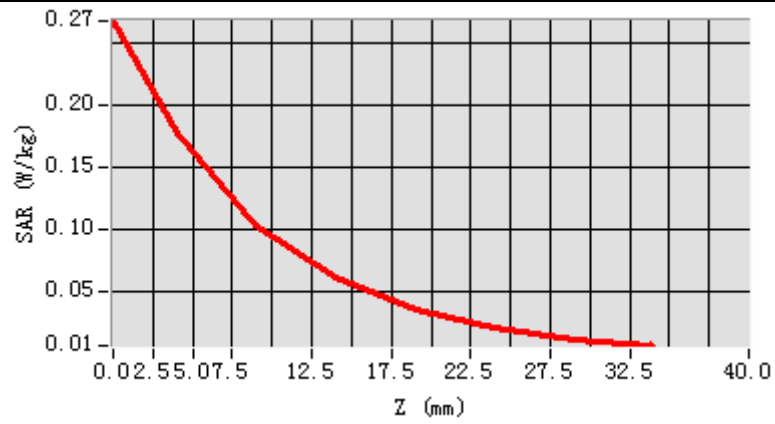


**Maximum location: X=0.00, Y=0.00**

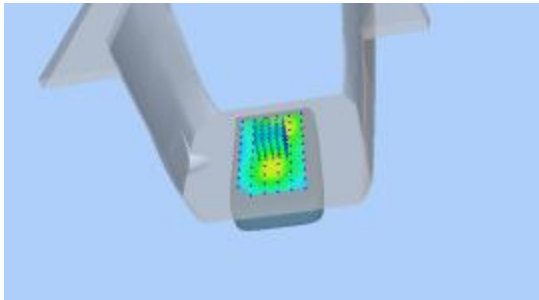
**SAR Peak: 0.44 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.125524 |
| <b>SAR 1g (W/Kg)</b>  | 0.253889 |

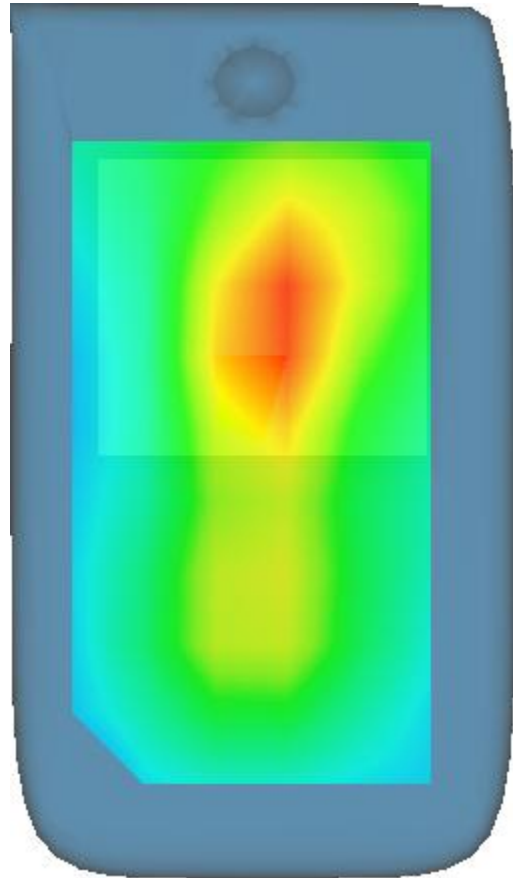
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 17

Right\_edge\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 11 minutes 20 seconds

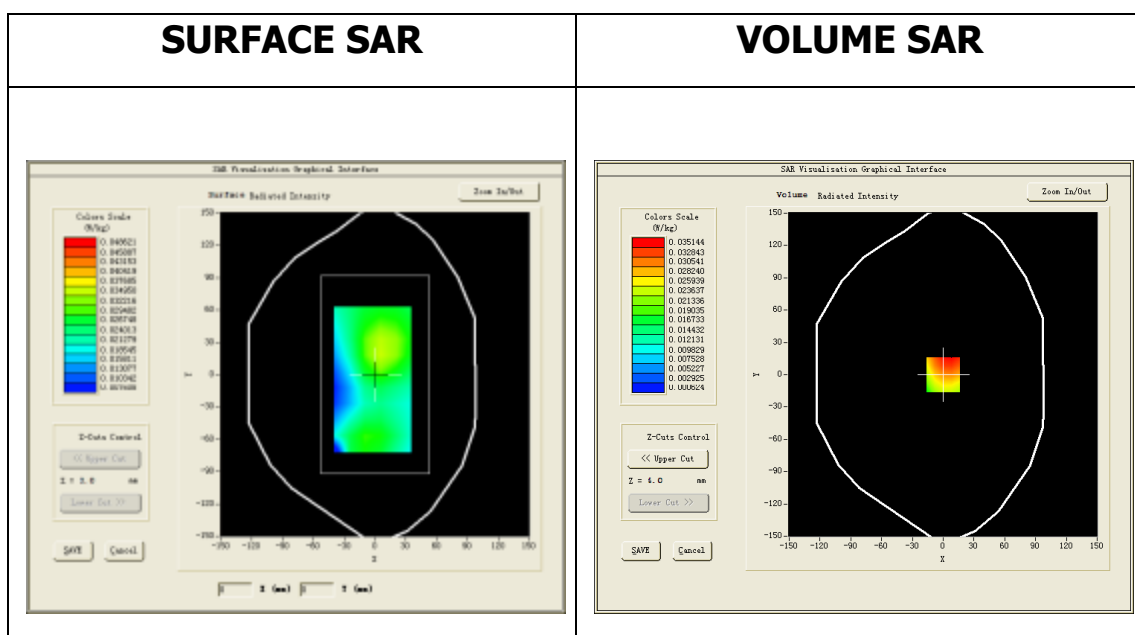
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>Band2 WCDMA1900</u>                               |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 9400):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 52.059399   |
| <b>Relative permittivity (imaginary part)</b> | 14.586700   |
| <b>Conductivity (S/m)</b>                     | 1.523500    |
| <b>Variation (%)</b>                          | 0.040000    |
| <b>ConvF</b>                                  | 6.25        |

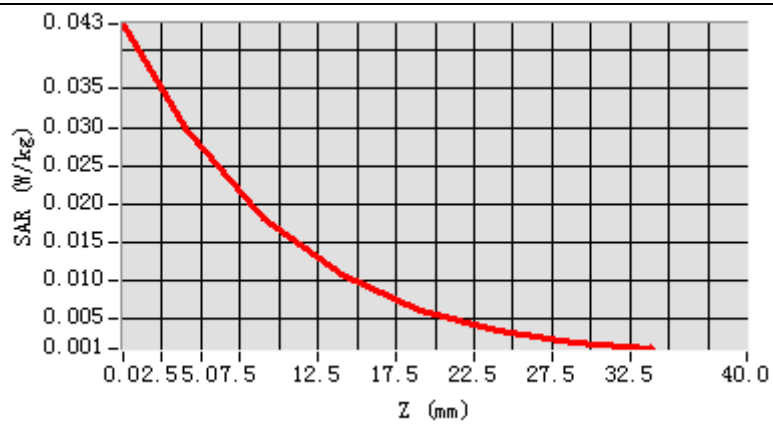


**Maximum location: X=0.00, Y=0.00**

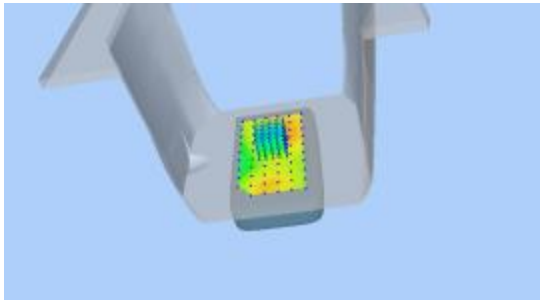
**SAR Peak: 0.06 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.021194 |
| <b>SAR 1g (W/Kg)</b>  | 0.036302 |

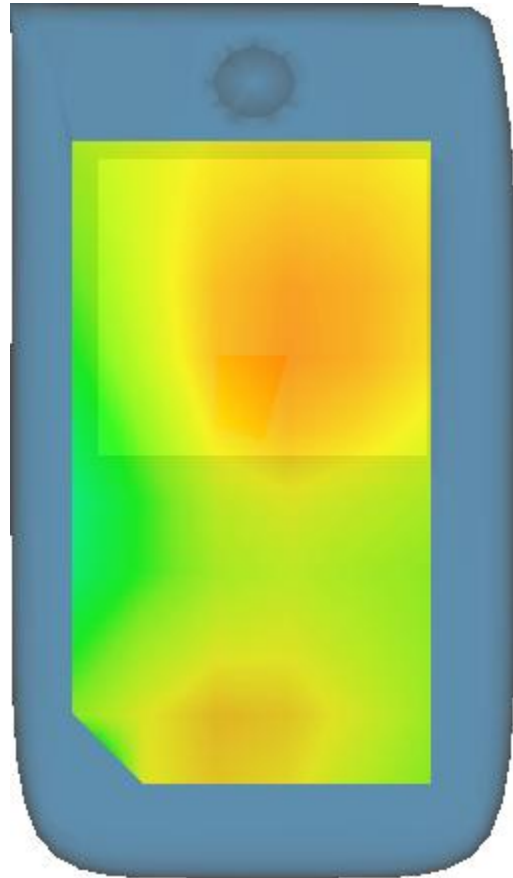
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 18

Towards\_ground\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 10 minutes 11 seconds

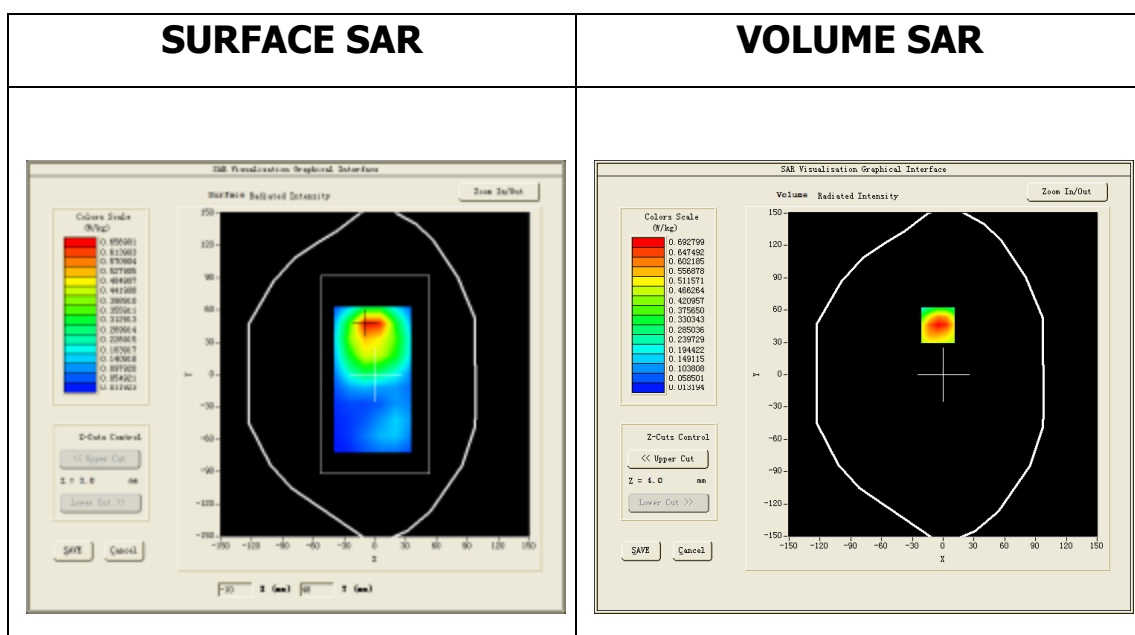
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>Band2 WCDMA1900</u>                               |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 9400):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 52.059399   |
| <b>Relative permittivity (imaginary part)</b> | 14.586700   |
| <b>Conductivity (S/m)</b>                     | 1.523500    |
| <b>Variation (%)</b>                          | 0.260000    |
| <b>ConvF</b>                                  | 6.25        |

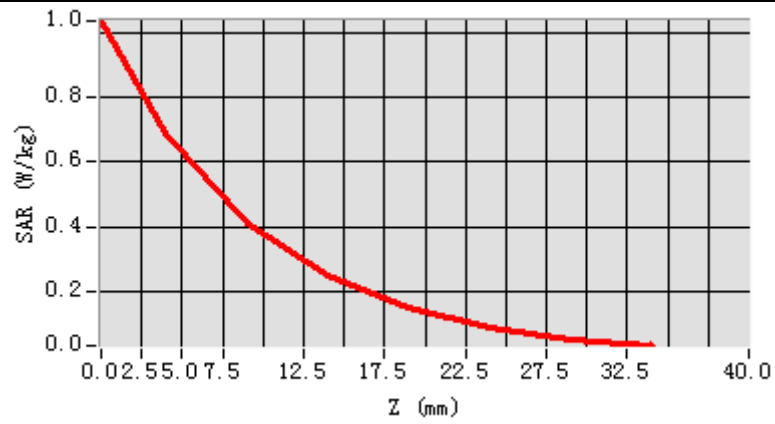


**Maximum location: X=-5.00, Y=46.00**

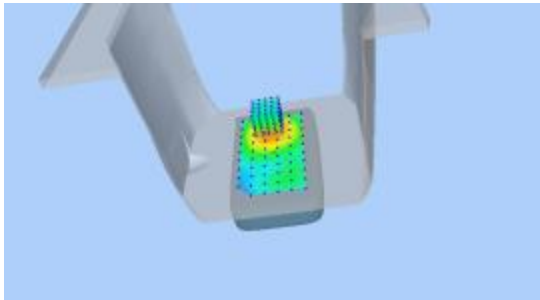
**SAR Peak: 1.14 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.401219 |
| <b>SAR 1g (W/Kg)</b>  | 0.718723 |

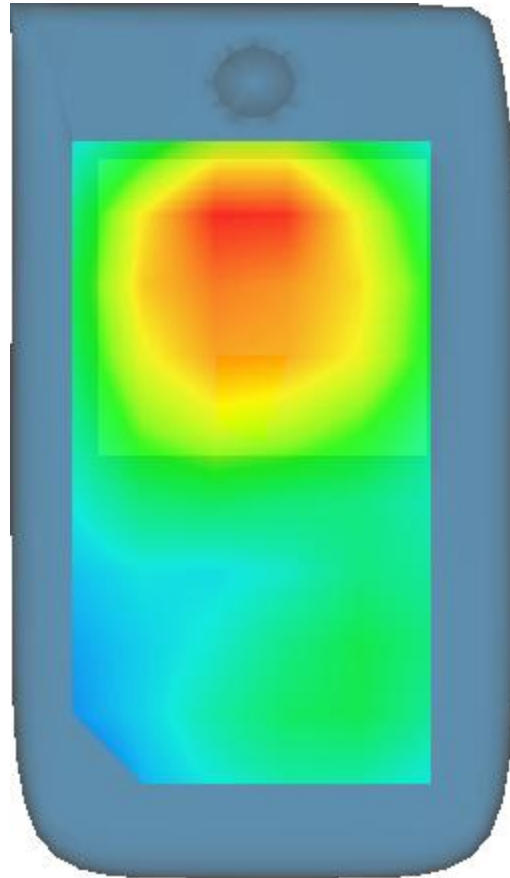
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 19

Towards\_ground\_with\_headset\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 10 minutes 11 seconds

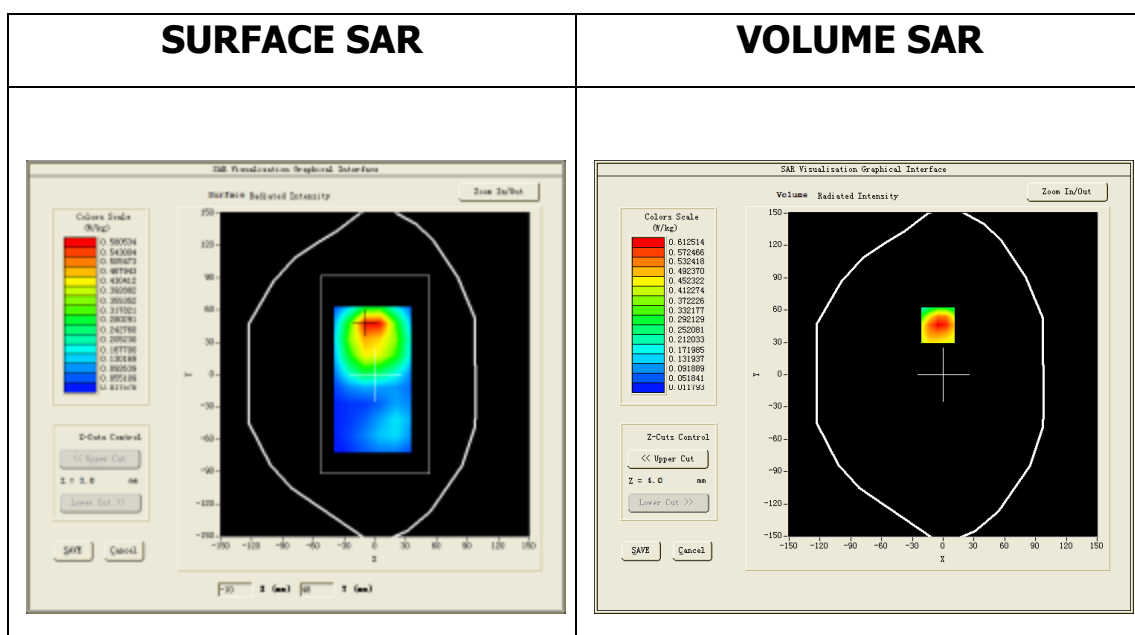
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>Band2 WCDMA1900</u>                               |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 9400):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 52.059399   |
| <b>Relative permittivity (imaginary part)</b> | 14.586700   |
| <b>Conductivity (S/m)</b>                     | 1.523500    |
| <b>Variation (%)</b>                          | 0.220000    |
| <b>ConvF</b>                                  | 6.25        |

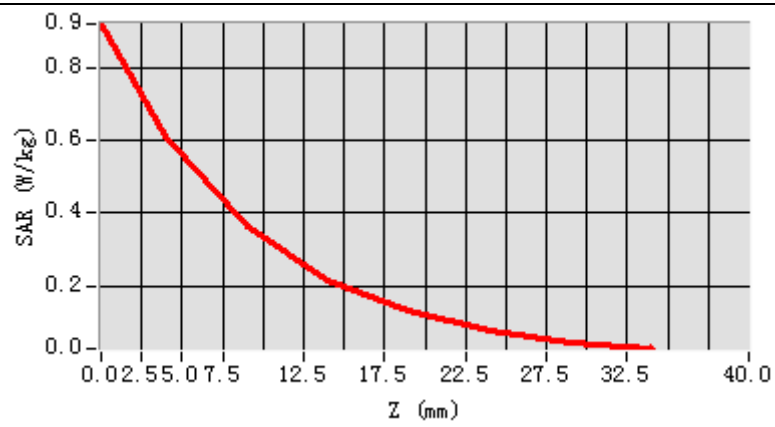


**Maximum location: X=-5.00, Y=46.00**

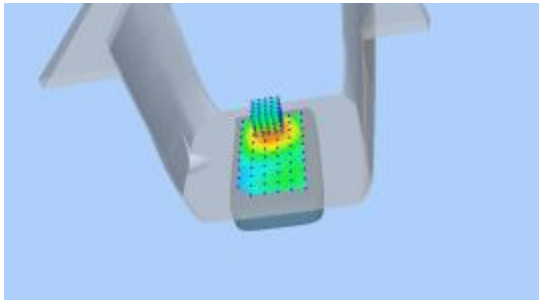
**SAR Peak: 1.01 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.360305 |
| <b>SAR 1g (W/Kg)</b>  | 0.641780 |

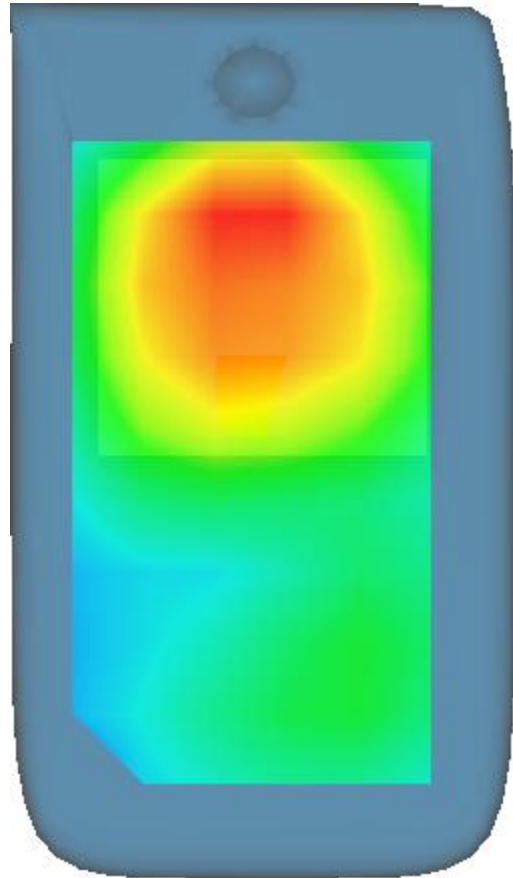
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 20

Right\_cheek\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 10 minutes 22 seconds

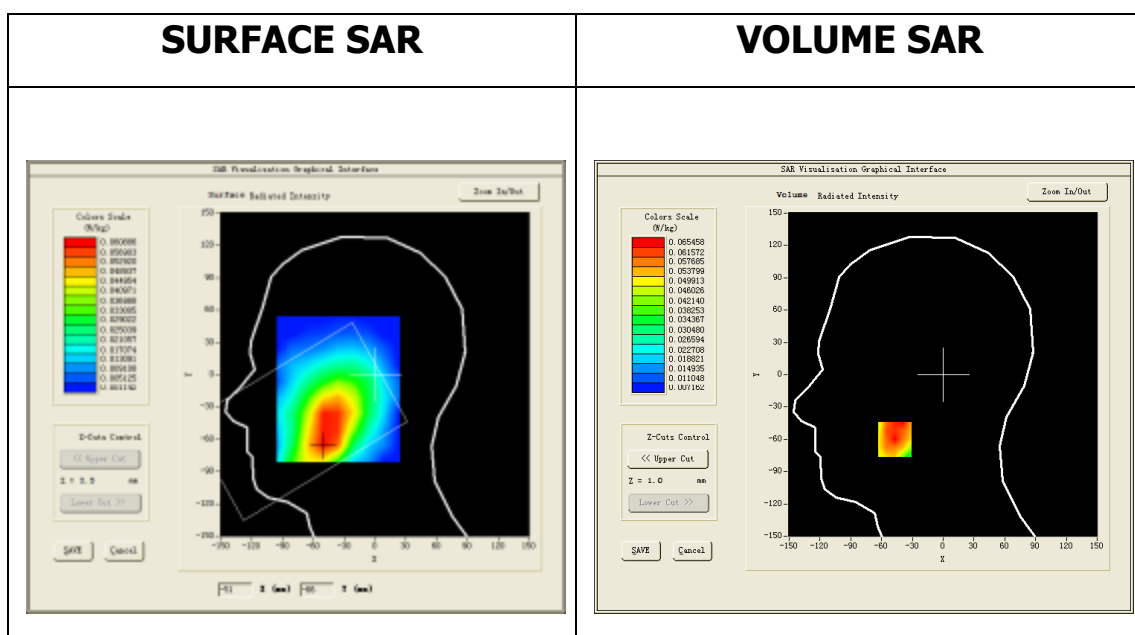
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Right head</u>                                    |
| <b><u>Device Position</u></b> | <u>Cheek</u>                                         |
| <b><u>Band</u></b>            | <u>Band5 WCDMA850</u>                                |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 4182):

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.400024 |
| <b>Relative permittivity (real part)</b>      | 39.782520  |
| <b>Relative permittivity (imaginary part)</b> | 19.383280  |
| <b>Conductivity (S/m)</b>                     | 0.900676   |
| <b>Variation (%)</b>                          | -1.400000  |
| <b>ConvF</b>                                  | 5.94       |

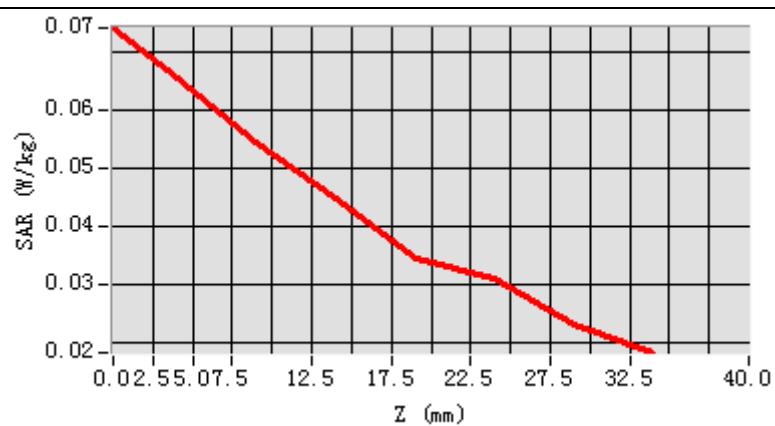


**Maximum location: X=-47.00, Y=-60.00**

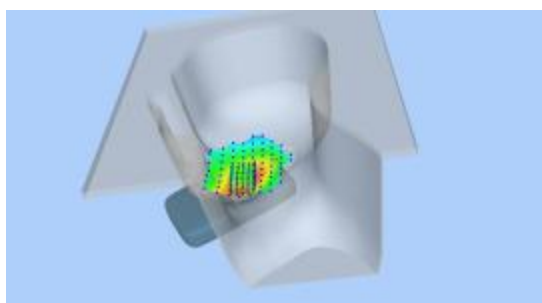
**SAR Peak: 0.08 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.048288 |
| <b>SAR 1g (W/Kg)</b>  | 0.062713 |

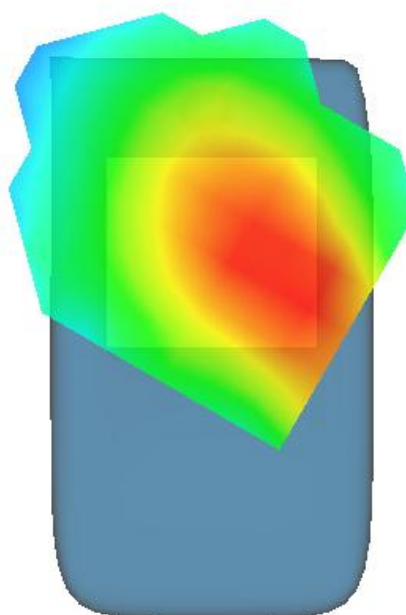
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 21

Right\_tilt\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 10 minutes 4 seconds

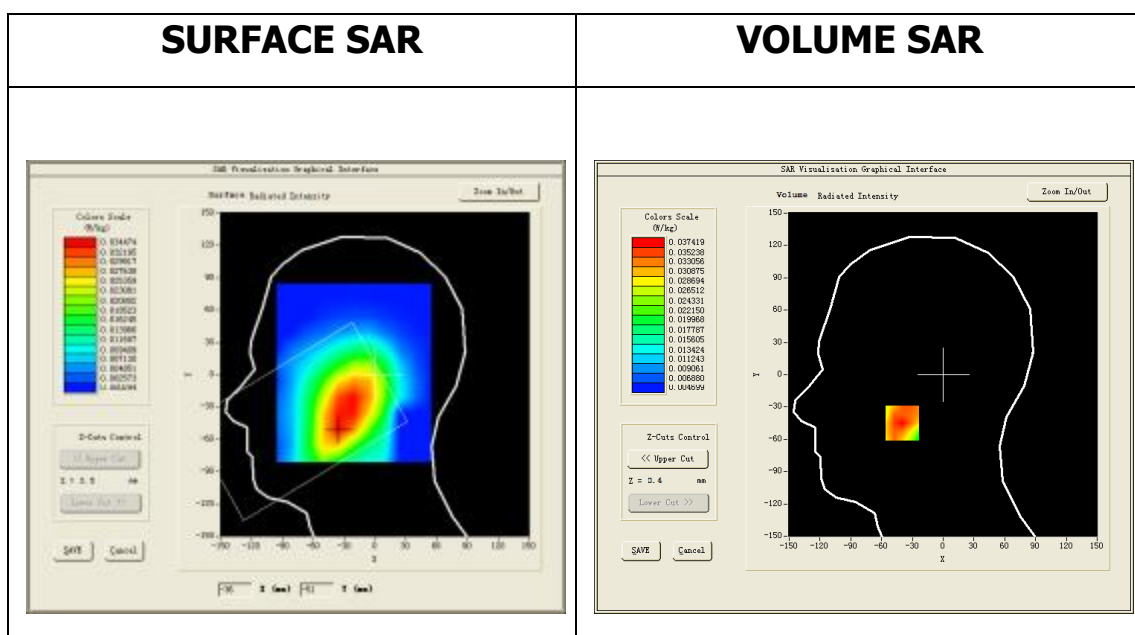
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Right head</u>                                    |
| <b><u>Device Position</u></b> | <u>Tilt</u>                                          |
| <b><u>Band</u></b>            | <u>Band5 WCDMA850</u>                                |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 4182):

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.400024 |
| <b>Relative permittivity (real part)</b>      | 39.782520  |
| <b>Relative permittivity (imaginary part)</b> | 19.383280  |
| <b>Conductivity (S/m)</b>                     | 0.900676   |
| <b>Variation (%)</b>                          | -0.120000  |
| <b>ConvF</b>                                  | 5.94       |

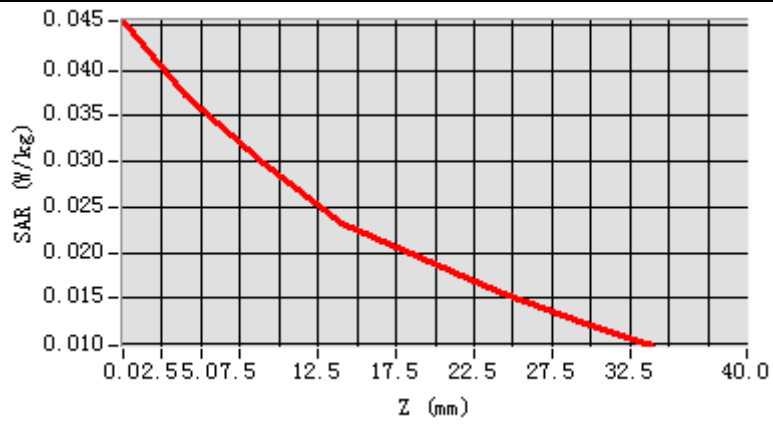


**Maximum location: X=-33.00, Y=-45.00**

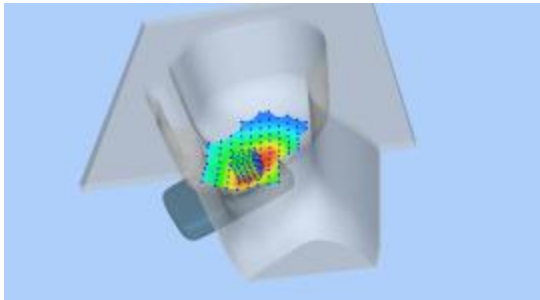
**SAR Peak: 0.05 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.026847 |
| <b>SAR 1g (W/Kg)</b>  | 0.036127 |

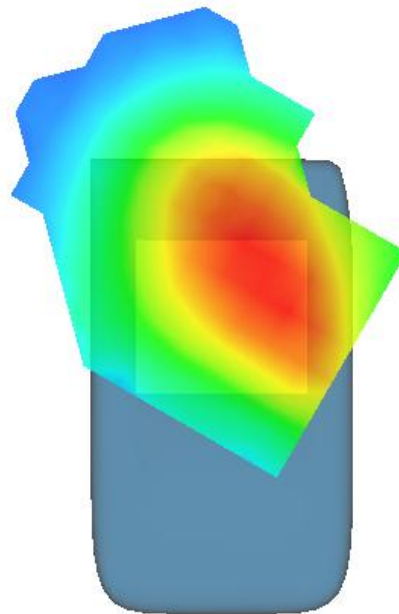
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 22

Left\_cheek\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 9 minutes 44 seconds

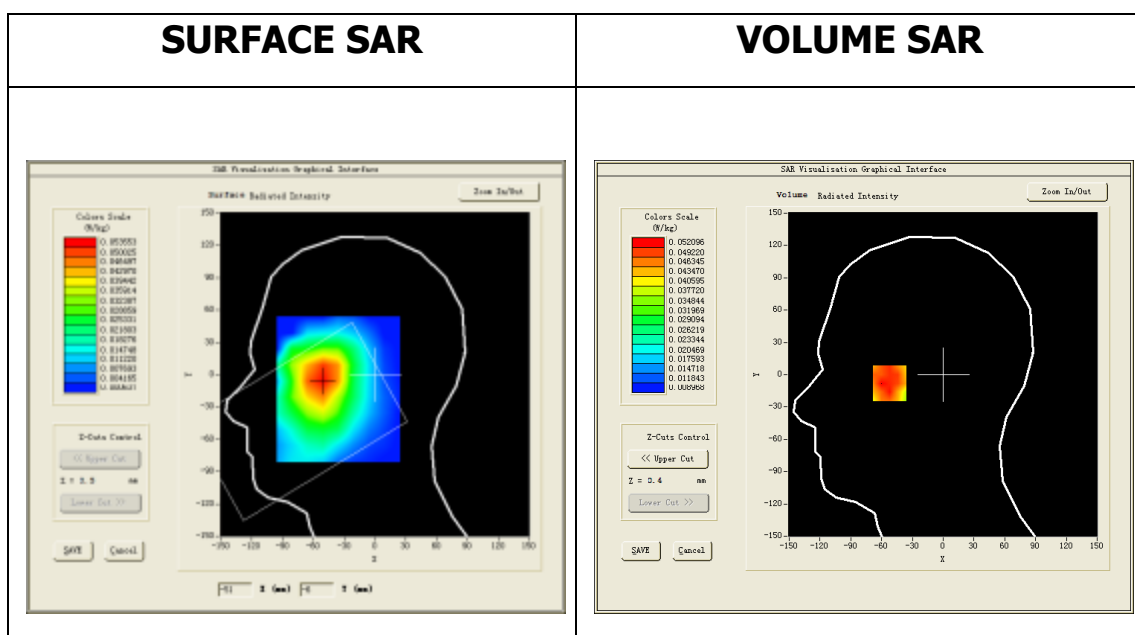
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Left head</u>                                     |
| <b><u>Device Position</u></b> | <u>Cheek</u>                                         |
| <b><u>Band</u></b>            | <u>Band5 WCDMA850</u>                                |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 4182):

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.400024 |
| <b>Relative permittivity (real part)</b>      | 39.782520  |
| <b>Relative permittivity (imaginary part)</b> | 19.383280  |
| <b>Conductivity (S/m)</b>                     | 0.900676   |
| <b>Variation (%)</b>                          | 4.260000   |
| <b>ConvF</b>                                  | 5.94       |

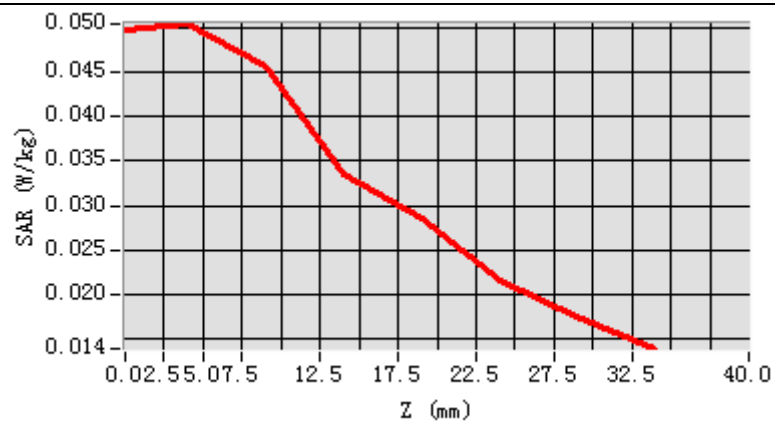


**Maximum location: X=-52.00, Y=-5.00**

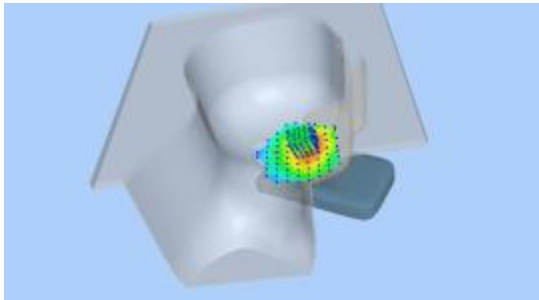
**SAR Peak: 0.07 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.038890 |
| <b>SAR 1g (W/Kg)</b>  | 0.051315 |

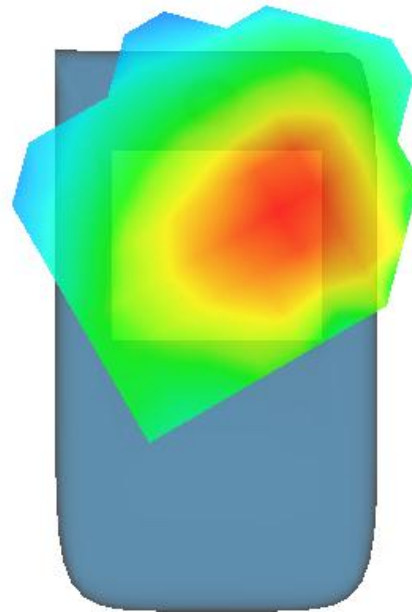
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 23

Left\_tilt\_middle

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 9 minutes 51 seconds

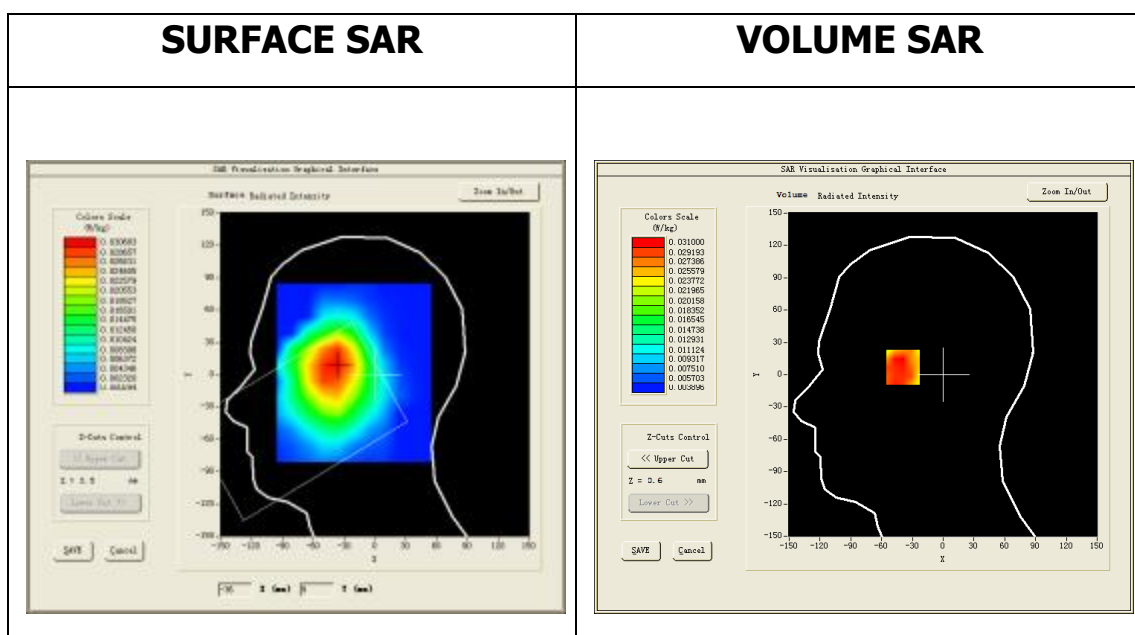
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Left head</u>                                     |
| <b><u>Device Position</u></b> | <u>Tilt</u>                                          |
| <b><u>Band</u></b>            | <u>Band5 WCDMA850</u>                                |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 4182):

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.400024 |
| <b>Relative permittivity (real part)</b>      | 39.782520  |
| <b>Relative permittivity (imaginary part)</b> | 19.383280  |
| <b>Conductivity (S/m)</b>                     | 0.900676   |
| <b>Variation (%)</b>                          | -0.110000  |
| <b>ConvF</b>                                  | 5.94       |

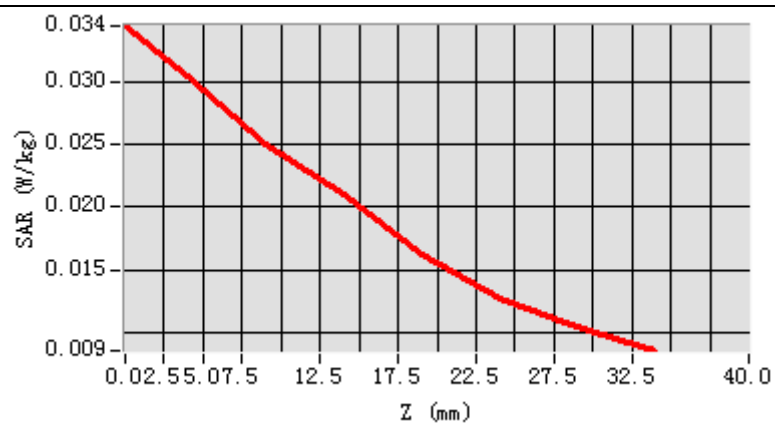


**Maximum location: X=-39.00, Y=11.00**

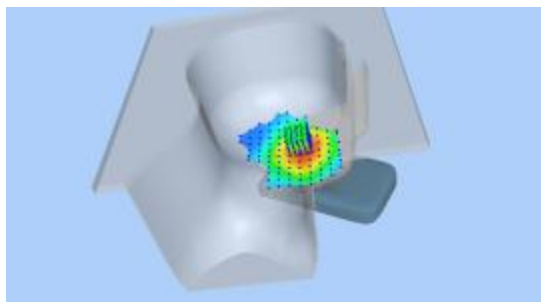
**SAR Peak: 0.04 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.022936 |
| <b>SAR 1g (W/Kg)</b>  | 0.031018 |

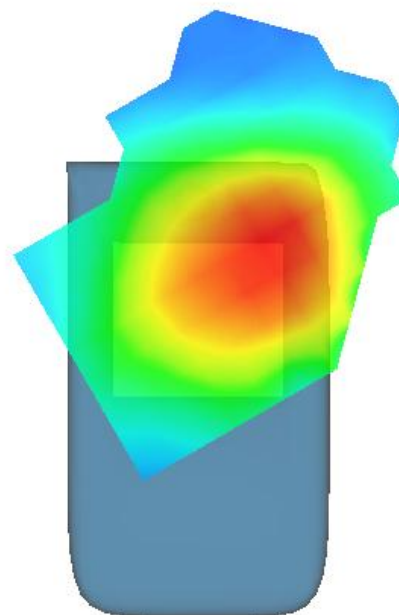
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 24

Towards\_ground\_low\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 9 minutes 30 seconds

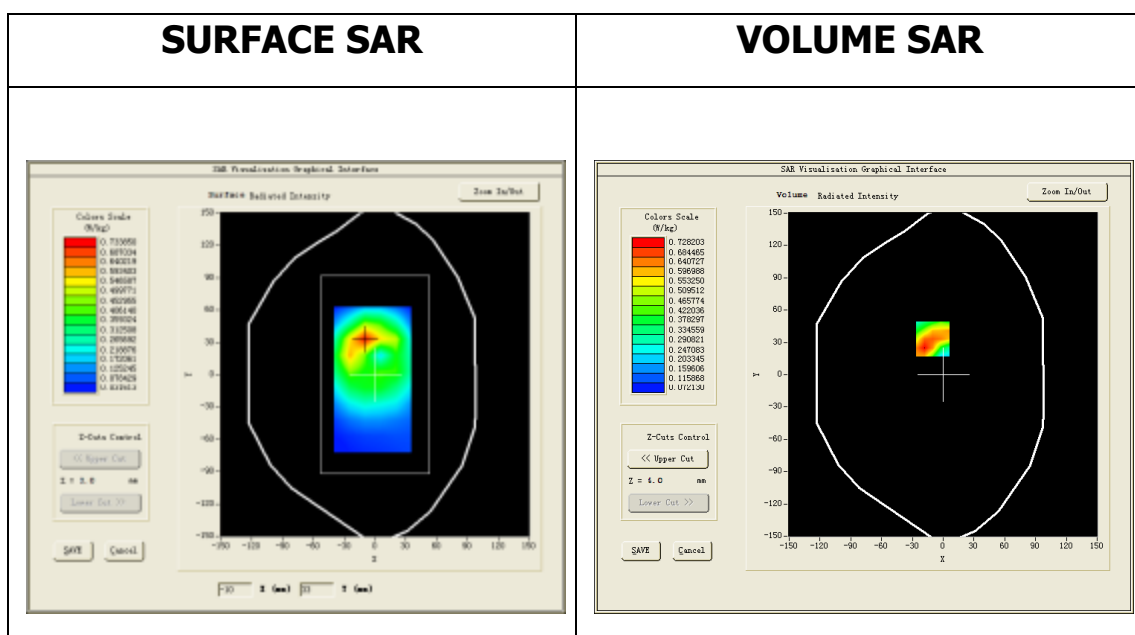
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>Band5 WCDMA850</u>                                |
| <b><u>Channels</u></b>        | <u>Low</u>                                           |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Lower Band SAR (Channel 4132):

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 826.400024 |
| <b>Relative permittivity (real part)</b>      | 53.586402  |
| <b>Relative permittivity (imaginary part)</b> | 20.607234  |
| <b>Conductivity (S/m)</b>                     | 0.947063   |
| <b>Variation (%)</b>                          | -4.170000  |
| <b>ConvF</b>                                  | 6.17       |

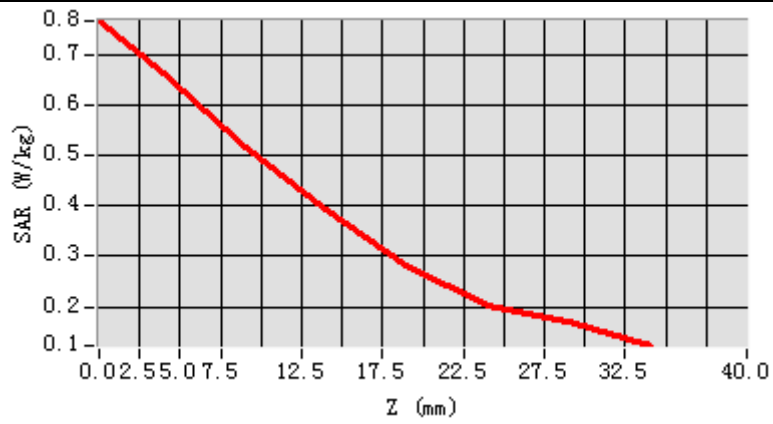


**Maximum location: X=-10.00, Y=33.00**

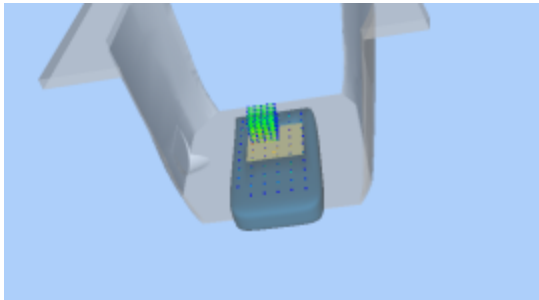
**SAR Peak: 1.13 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.486267 |
| <b>SAR 1g (W/Kg)</b>  | 0.744270 |

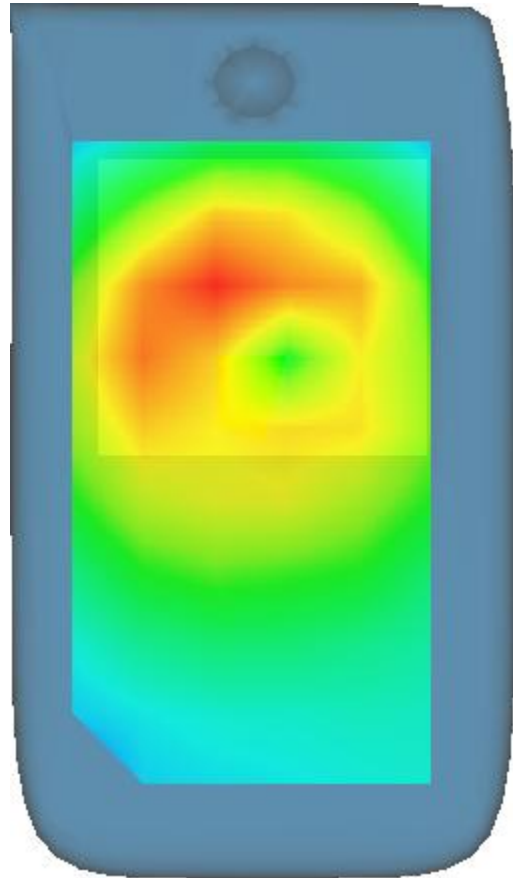
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 25

Bottom\_edge\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 11 minutes 21 seconds

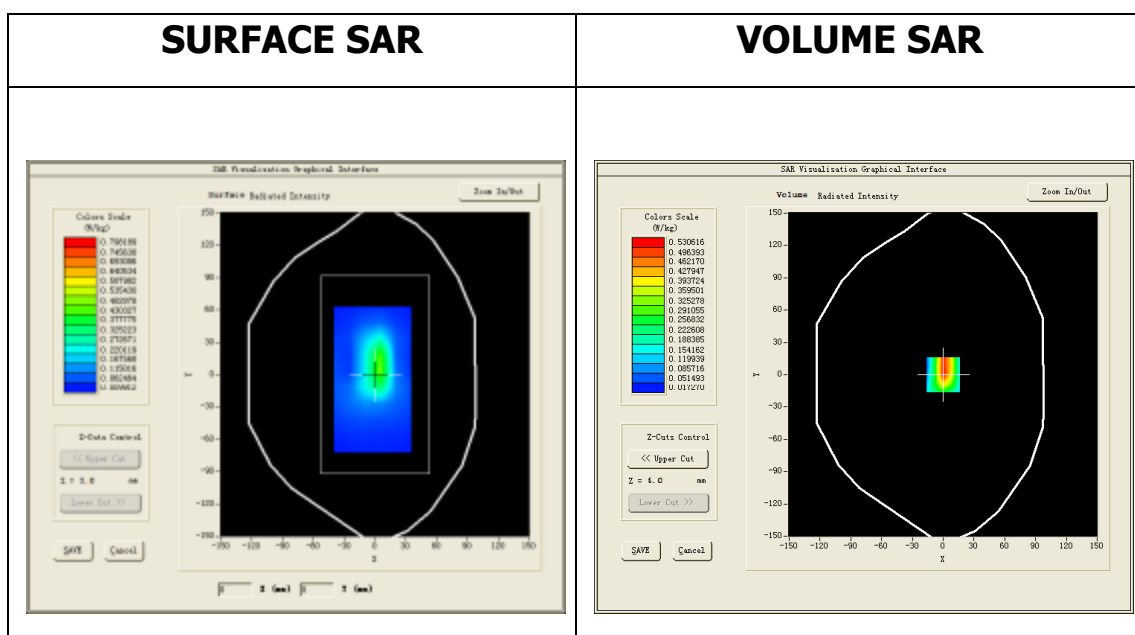
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>Band5 WCDMA850</u>                                |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 4182):

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.400024 |
| <b>Relative permittivity (real part)</b>      | 53.393200  |
| <b>Relative permittivity (imaginary part)</b> | 20.746969  |
| <b>Conductivity (S/m)</b>                     | 0.964043   |
| <b>Variation (%)</b>                          | -3.240000  |
| <b>ConvF</b>                                  | 6.17       |

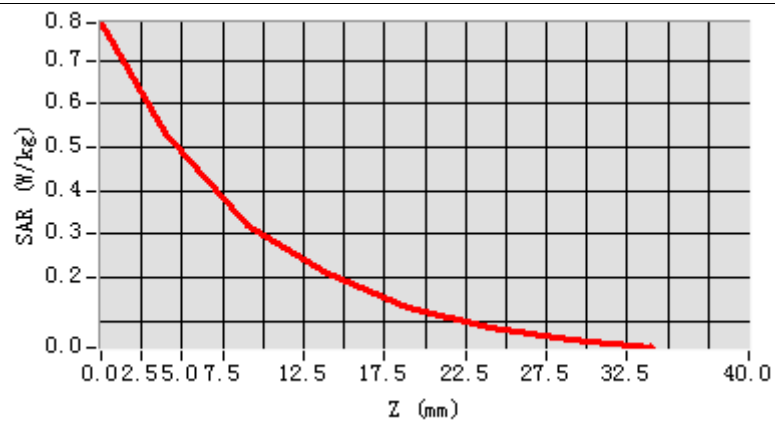


**Maximum location: X=0.00, Y=0.00**

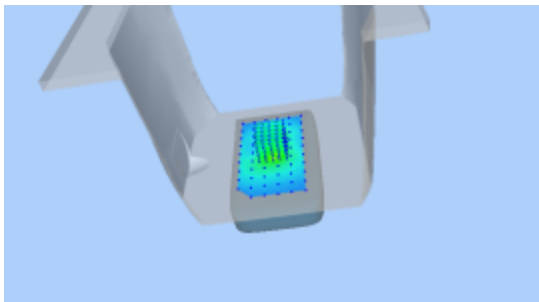
**SAR Peak: 0.85 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.290705 |
| <b>SAR 1g (W/Kg)</b>  | 0.524729 |

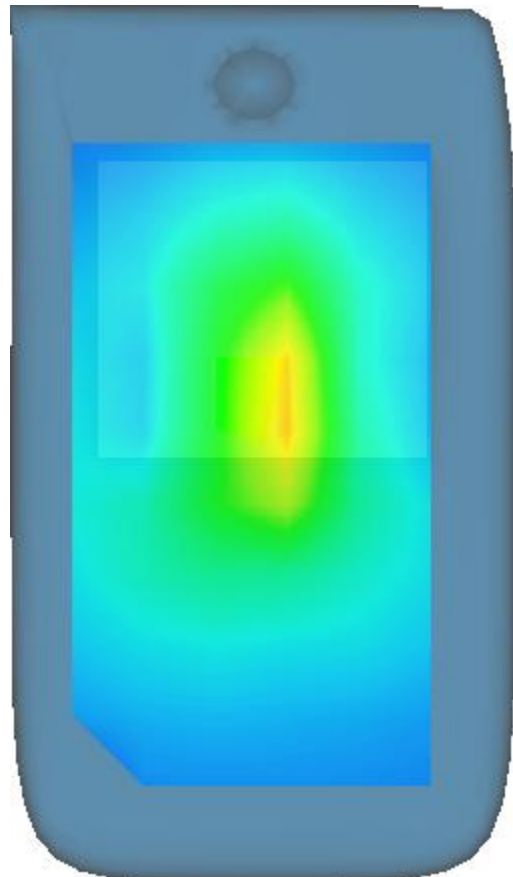
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 26

Left\_edge\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 11 minutes 26 seconds

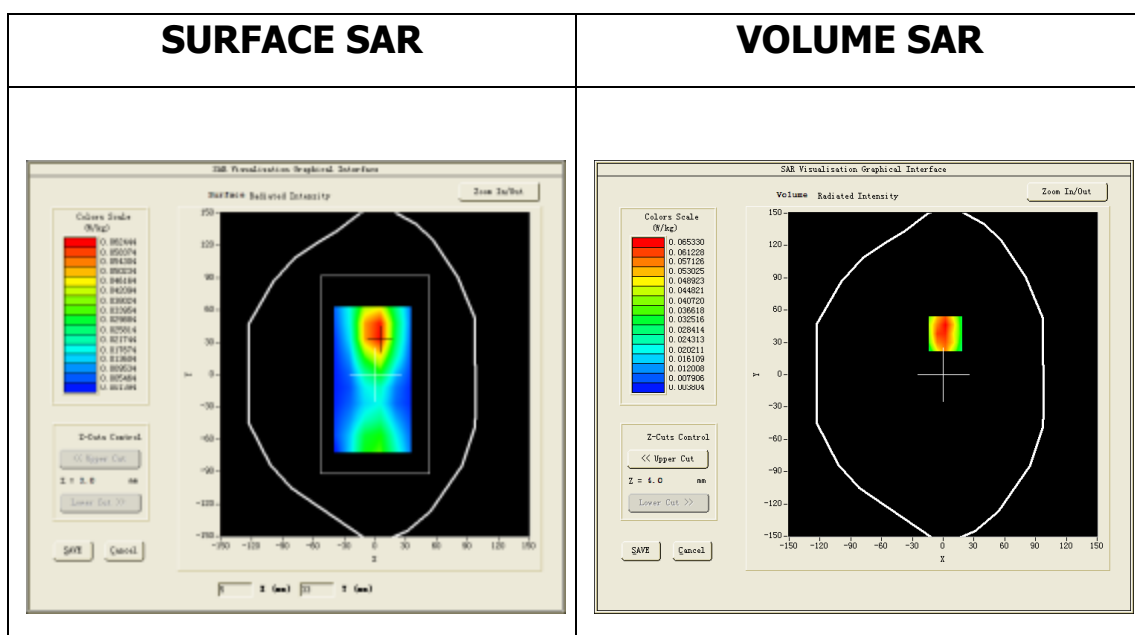
### **A. Experimental conditions.**

|                               |                                                |
|-------------------------------|------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                         |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm<br/>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                        |
| <b><u>Device Position</u></b> | <u>Body</u>                                    |
| <b><u>Band</u></b>            | <u>Band5 WCDMA850</u>                          |
| <b><u>Channels</u></b>        | <u>Middle</u>                                  |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>               |

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

Middle Band SAR (Channel 4182):

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.400024 |
| <b>Relative permittivity (real part)</b>      | 53.393200  |
| <b>Relative permittivity (imaginary part)</b> | 20.746969  |
| <b>Conductivity (S/m)</b>                     | 0.964043   |
| <b>Variation (%)</b>                          | 2.680000   |
| <b>ConvF</b>                                  | 6.17       |

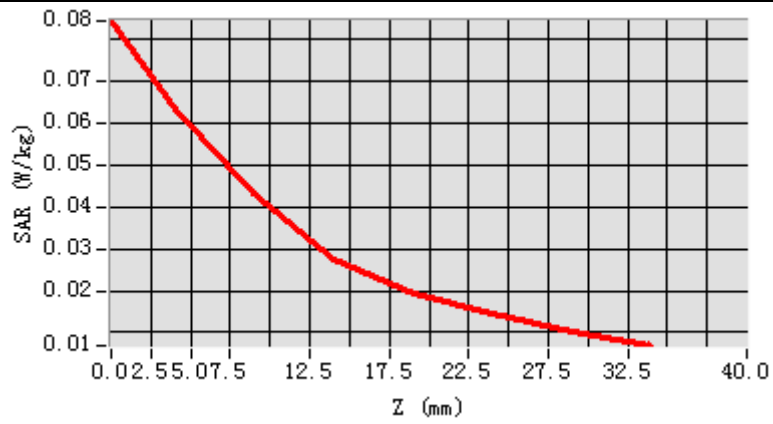


**Maximum location: X=2.00, Y=38.00**

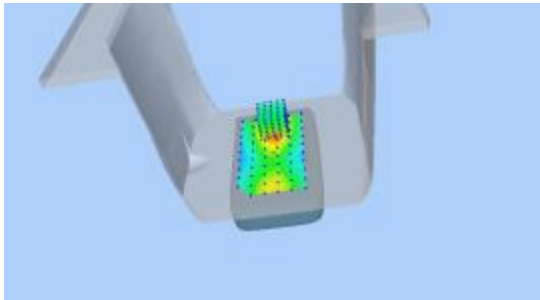
**SAR Peak: 0.10 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.041554 |
| <b>SAR 1g (W/Kg)</b>  | 0.067069 |

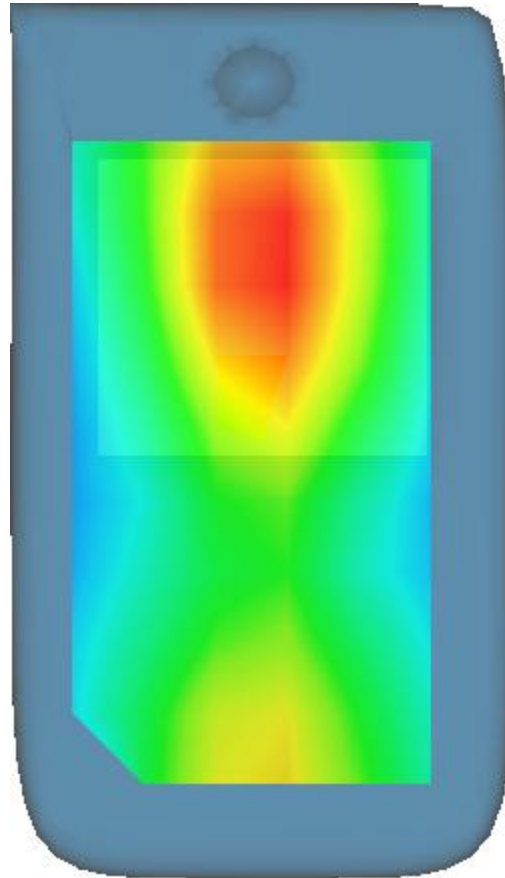
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 27

Right\_edge\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 11 minutes 26 seconds

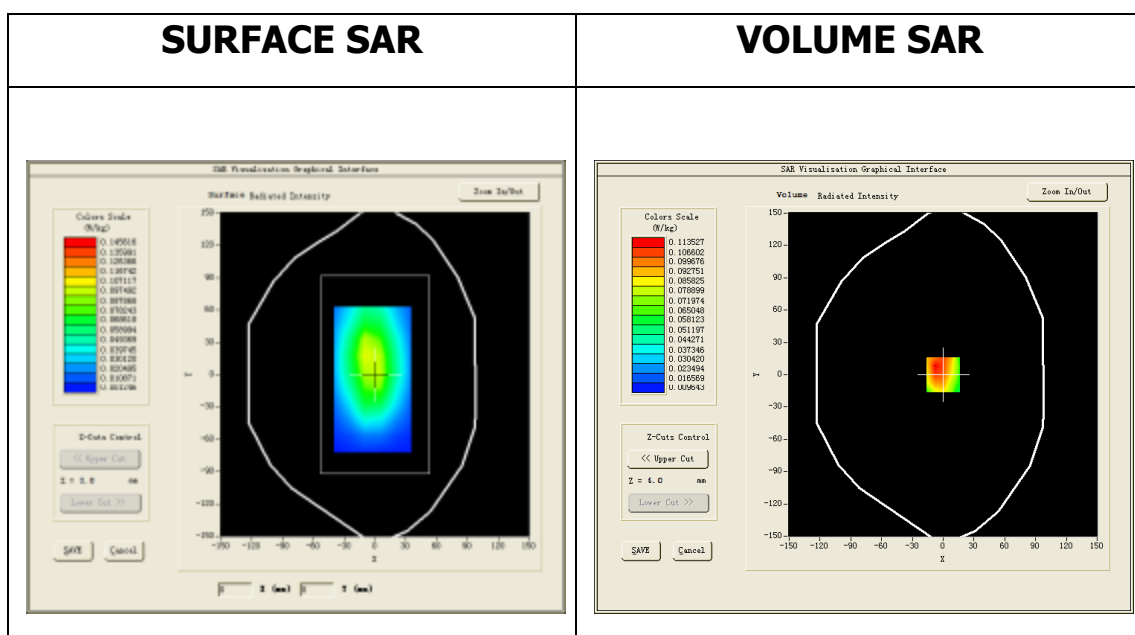
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>Band5 WCDMA850</u>                                |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 4182):

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.400024 |
| <b>Relative permittivity (real part)</b>      | 53.393200  |
| <b>Relative permittivity (imaginary part)</b> | 20.746969  |
| <b>Conductivity (S/m)</b>                     | 0.964043   |
| <b>Variation (%)</b>                          | -1.070000  |
| <b>ConvF</b>                                  | 6.17       |

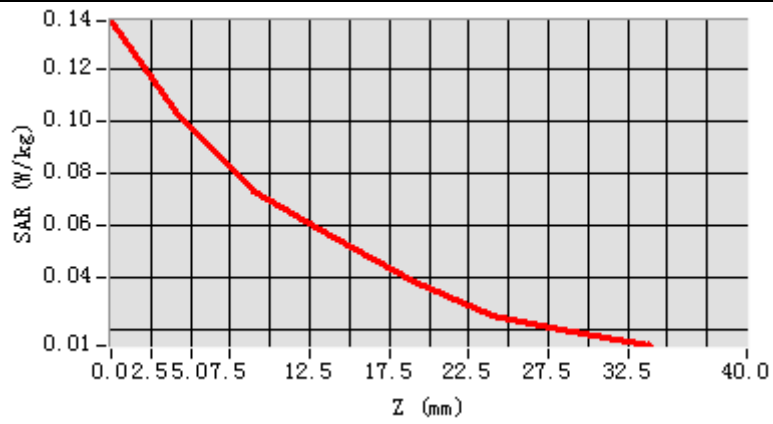


**Maximum location: X=0.00, Y=0.00**

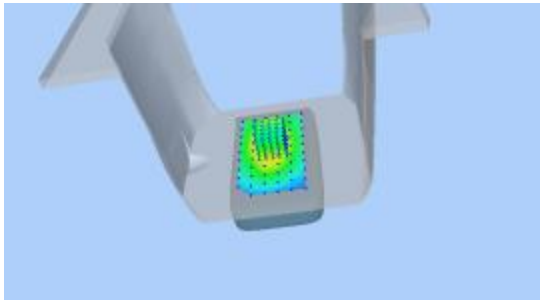
**SAR Peak: 0.17 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.074936 |
| <b>SAR 1g (W/Kg)</b>  | 0.115892 |

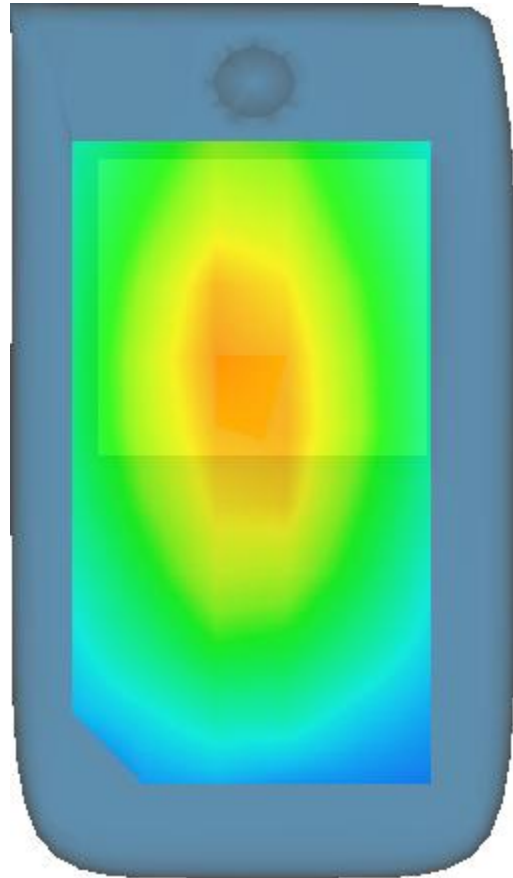
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 28

Towards\_ground\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 9 minutes 42 seconds

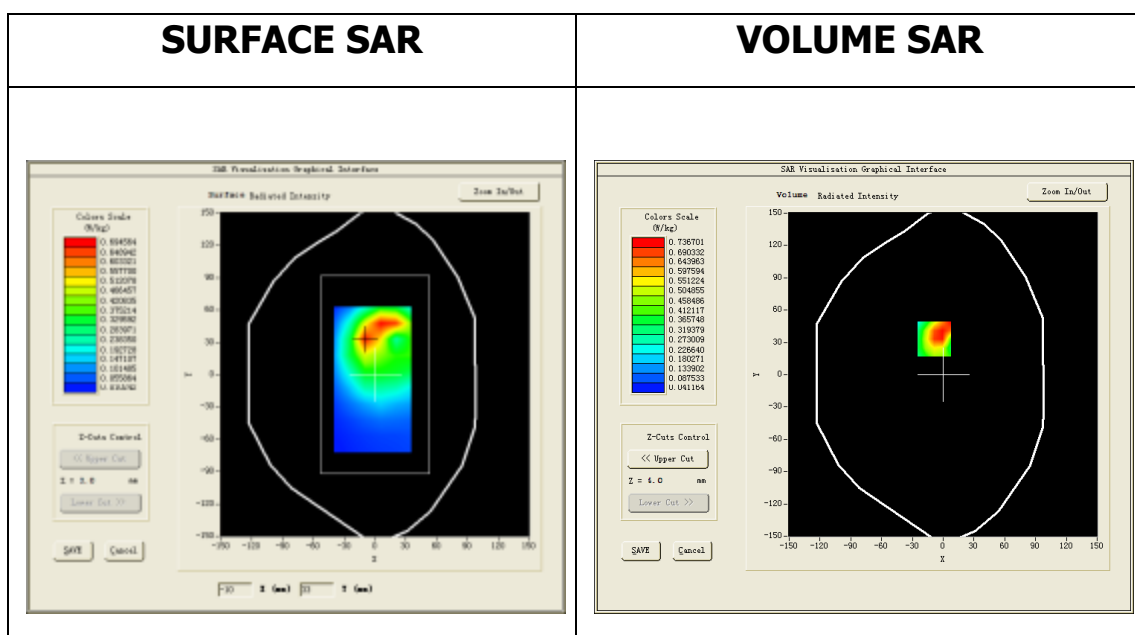
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>Band5 WCDMA850</u>                                |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 4182):

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.400024 |
| <b>Relative permittivity (real part)</b>      | 53.393200  |
| <b>Relative permittivity (imaginary part)</b> | 20.746969  |
| <b>Conductivity (S/m)</b>                     | 0.964043   |
| <b>Variation (%)</b>                          | -2.540000  |
| <b>ConvF</b>                                  | 6.17       |

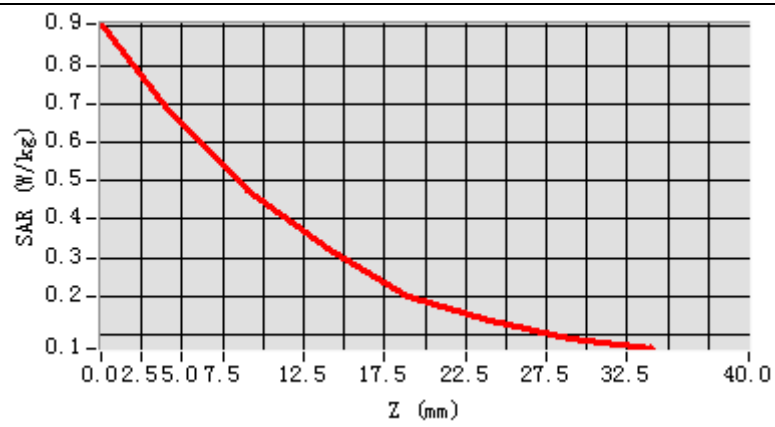


**Maximum location: X=-9.00, Y=33.00**

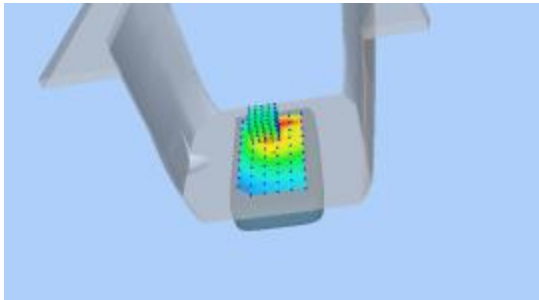
**SAR Peak: 1.21 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.454600 |
| <b>SAR 1g (W/Kg)</b>  | 0.763049 |

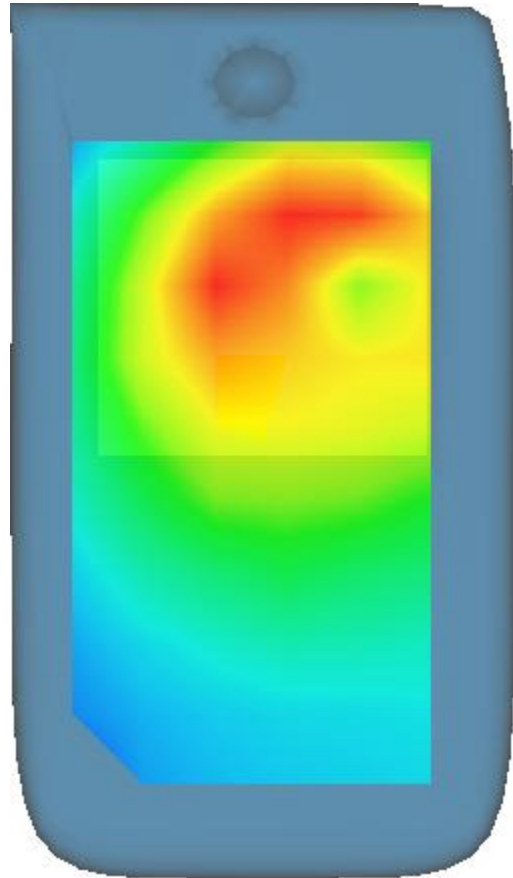
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 29

Towards\_ground\_with\_headset\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 11 minutes 21 seconds

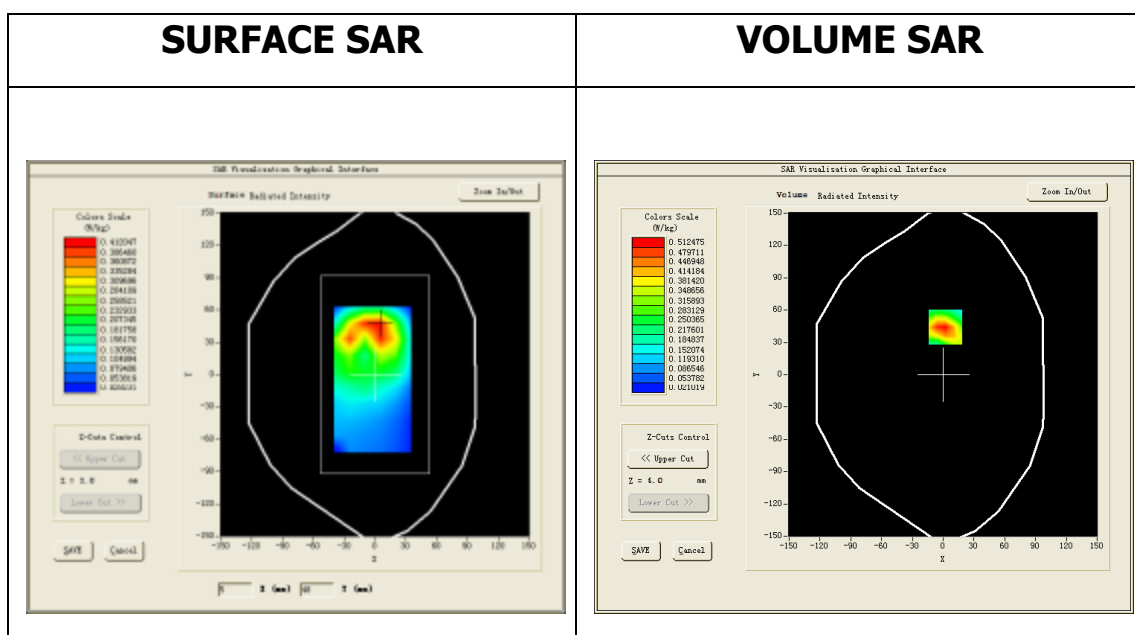
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>Band5 WCDMA850</u>                                |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Middle Band SAR (Channel 4182):

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.400024 |
| <b>Relative permittivity (real part)</b>      | 53.393200  |
| <b>Relative permittivity (imaginary part)</b> | 20.746969  |
| <b>Conductivity (S/m)</b>                     | 0.964043   |
| <b>Variation (%)</b>                          | 0.450000   |
| <b>ConvF</b>                                  | 6.17       |

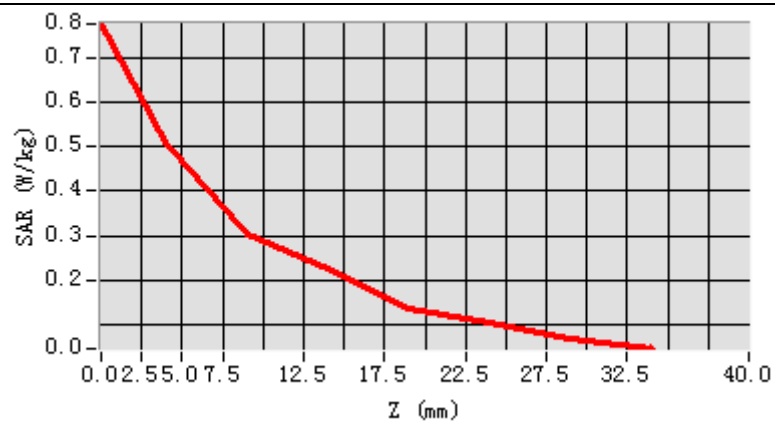


**Maximum location: X=2.00, Y=44.00**

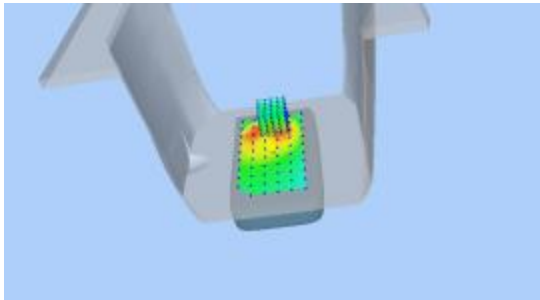
**SAR Peak: 0.78 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.282057 |
| <b>SAR 1g (W/Kg)</b>  | 0.491186 |

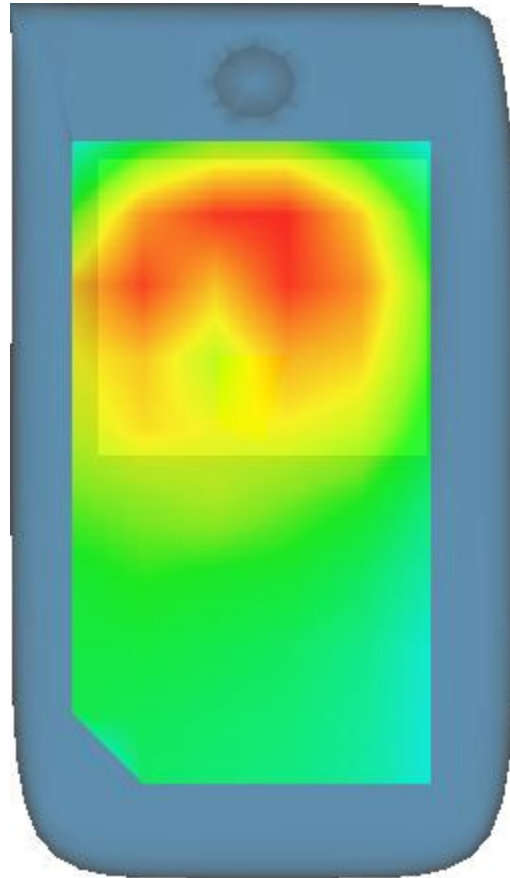
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 30

Towards\_ground\_high\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

Measurement duration: 9 minutes 37 seconds

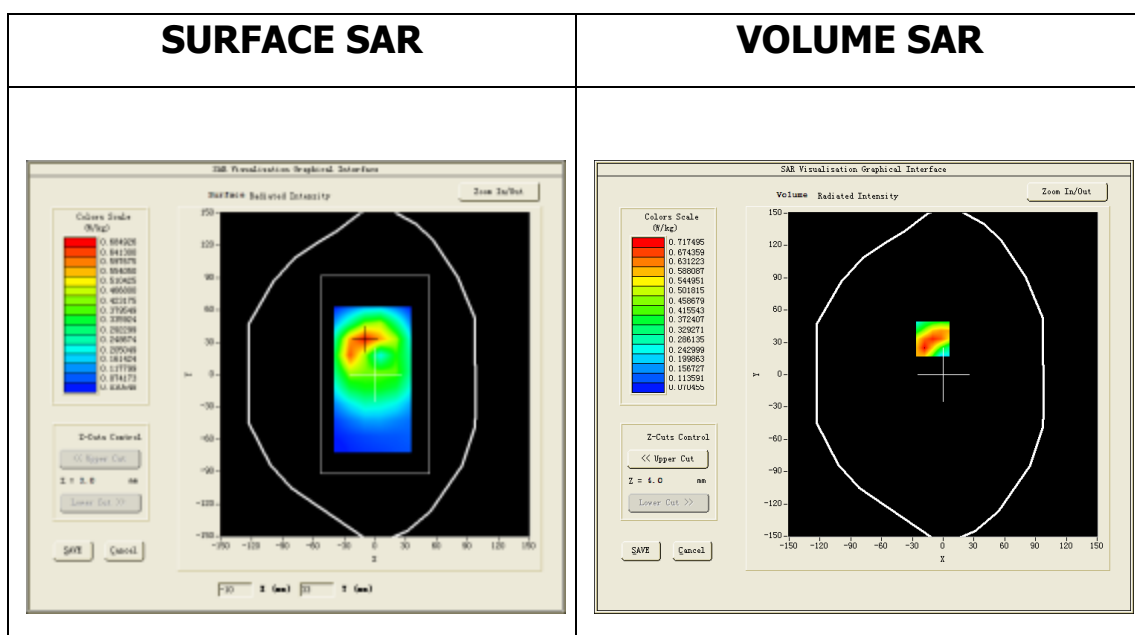
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>Band5 WCDMA850</u>                                |
| <b><u>Channels</u></b>        | <u>High</u>                                          |
| <b><u>Signal</u></b>          | <u>WCDMA (Crest factor: 1.0)</u>                     |

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

Higher Band SAR (Channel 4233):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 846. 599976 |
| <b>Relative permittivity (real part)</b>      | 53.248599   |
| <b>Relative permittivity (imaginary part)</b> | 20.897325   |
| <b>Conductivity (S/m)</b>                     | 0.982436    |
| <b>Variation (%)</b>                          | -3.880000   |
| <b>ConvF</b>                                  | 6.17        |

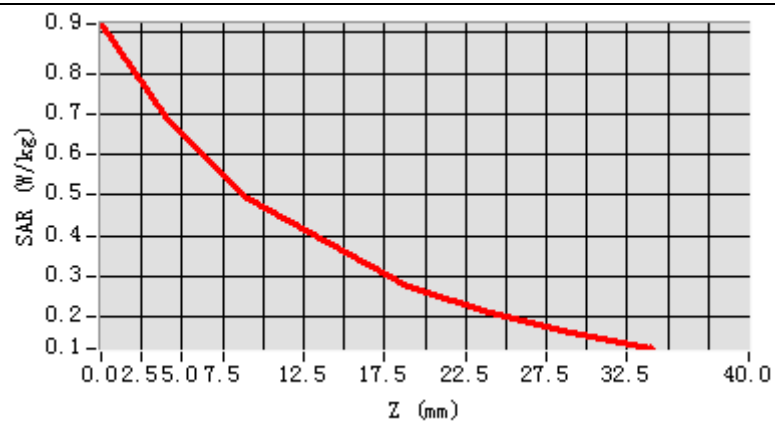


**Maximum location: X=-10.00, Y=33.00**

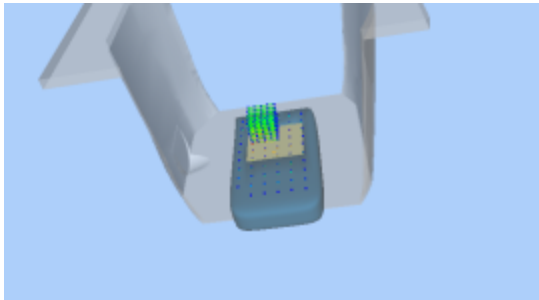
**SAR Peak: 1.07 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.478883 |
| <b>SAR 1g (W/Kg)</b>  | 0.724415 |

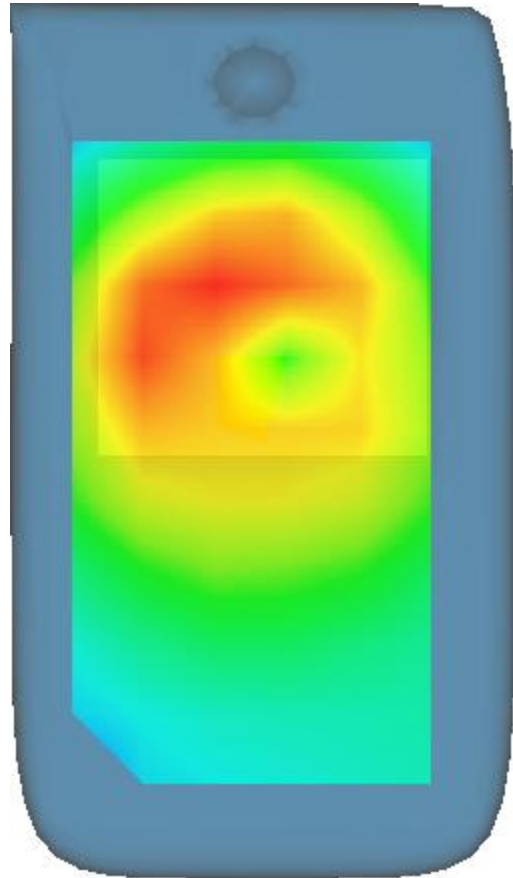
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 31

Right\_cheek\_high

Type: Phone measurement (Complete)

Date of measurement: 24/2/2014

Measurement duration: 12 minutes 39 seconds

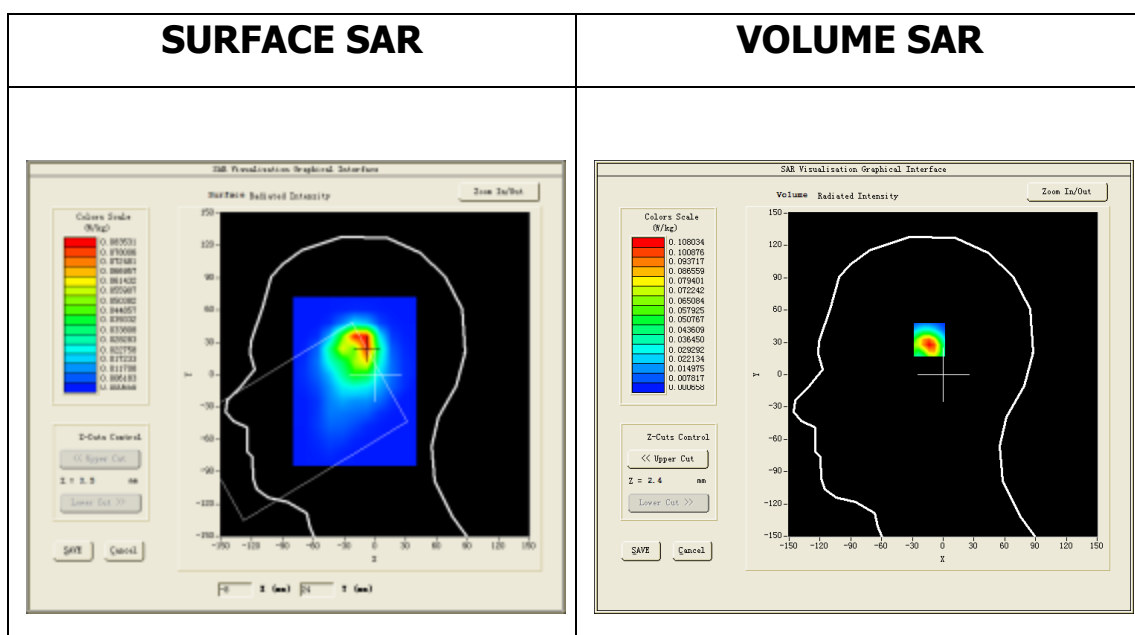
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=12mm dy=12mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>7x7x7,dx=5mm dy=5mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Right head</u>                                    |
| <b><u>Device Position</u></b> | <u>Cheek</u>                                         |
| <b><u>Band</u></b>            | <u>IEEE 802.11b ISM</u>                              |
| <b><u>Channels</u></b>        | <u>High</u>                                          |
| <b><u>Signal</u></b>          | <u>IEEE802.b (Crest factor: 1.0)</u>                 |

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

Higher Band SAR (Channel 11):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 2462.000000 |
| <b>Relative permittivity (real part)</b>      | 38.845813   |
| <b>Relative permittivity (imaginary part)</b> | 13.477300   |
| <b>Conductivity (S/m)</b>                     | 1.844973    |
| <b>Variation (%)</b>                          | 0.740000    |
| <b>ConvF</b>                                  | 5.32        |

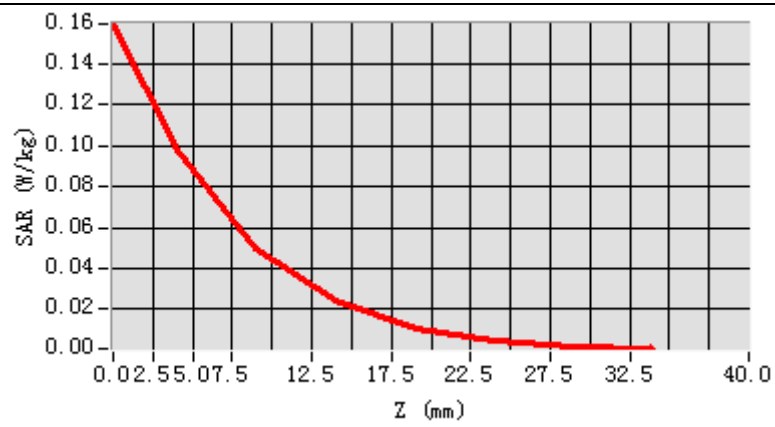


**Maximum location: X=-13.00, Y=36.00**

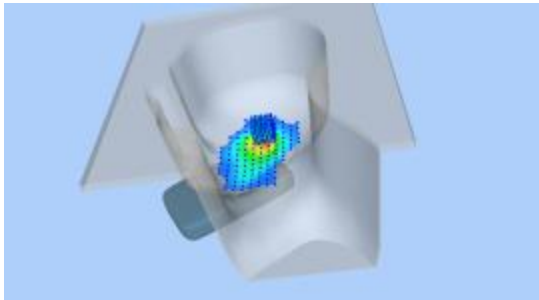
**SAR Peak: 0.20 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.046344 |
| <b>SAR 1g (W/Kg)</b>  | 0.107934 |

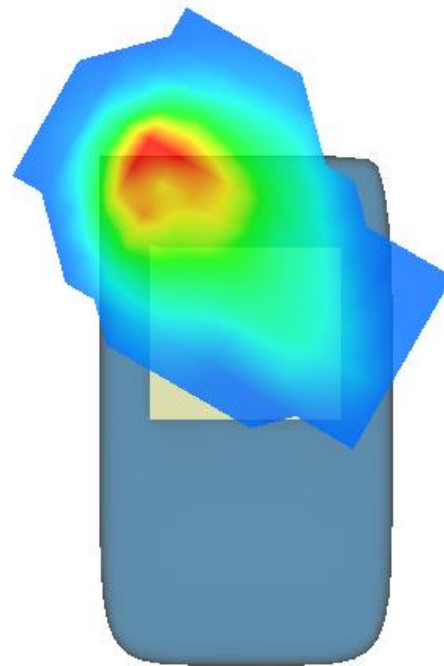
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 32

Right\_tilt\_high

Type: Phone measurement (Complete)

Date of measurement: 24/2/2014

Measurement duration: 12 minutes 47 seconds

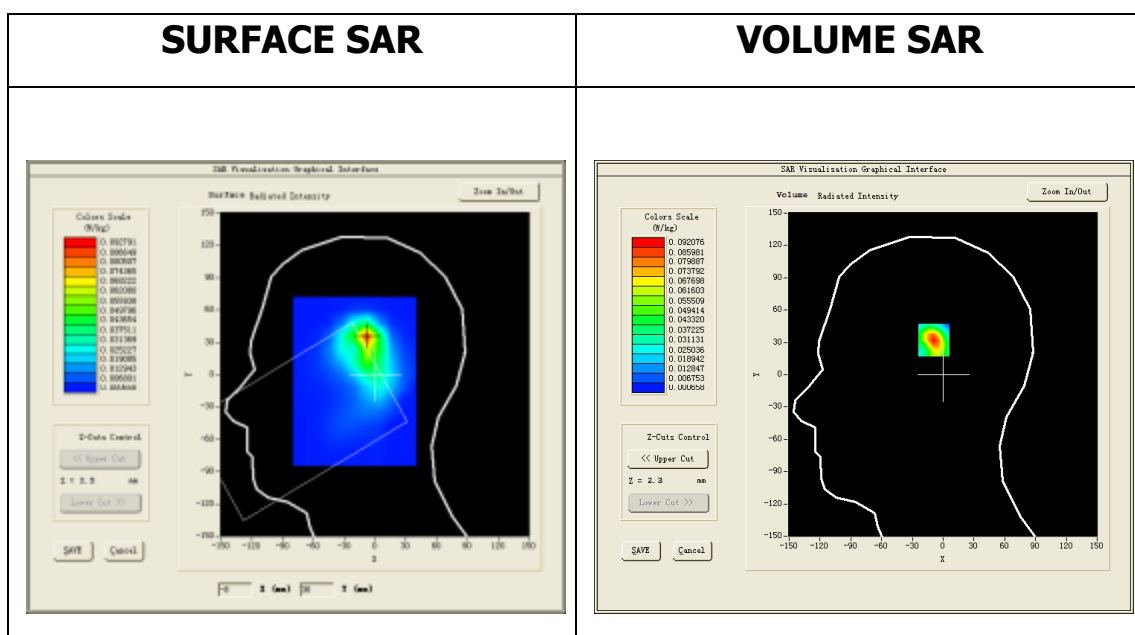
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=12mm dy=12mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>7x7x7,dx=5mm dy=5mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Right head</u>                                    |
| <b><u>Device Position</u></b> | <u>Tilt</u>                                          |
| <b><u>Band</u></b>            | <u>IEEE 802.11b ISM</u>                              |
| <b><u>Channels</u></b>        | <u>High</u>                                          |
| <b><u>Signal</u></b>          | <u>IEEE802.b (Crest factor: 1.0)</u>                 |

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

Higher Band SAR (Channel 11):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 2462.000000 |
| <b>Relative permittivity (real part)</b>      | 38.845813   |
| <b>Relative permittivity (imaginary part)</b> | 13.477300   |
| <b>Conductivity (S/m)</b>                     | 1.844973    |
| <b>Variation (%)</b>                          | 0.310000    |
| <b>ConvF</b>                                  | 5.32        |

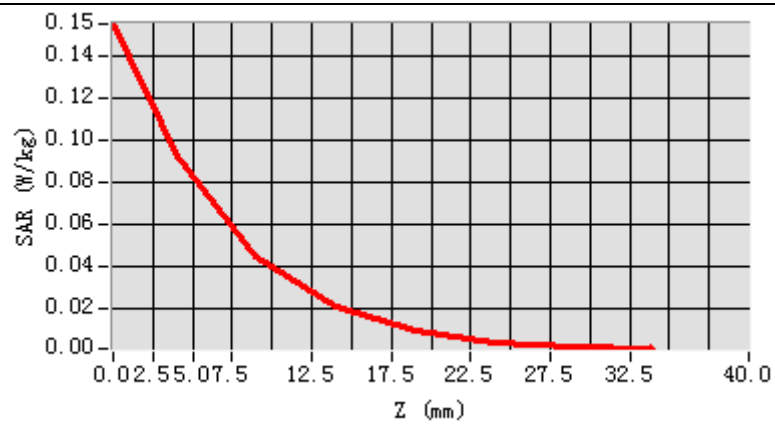


**Maximum location: X=-8.00, Y=35.00**

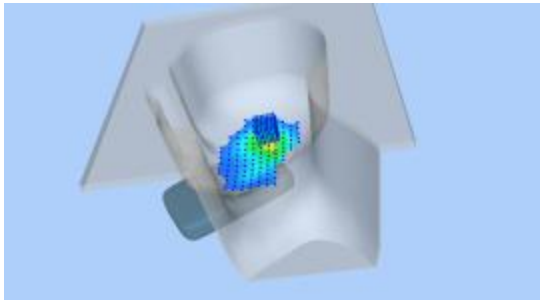
**SAR Peak: 0.17 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.040363 |
| <b>SAR 1g (W/Kg)</b>  | 0.091214 |

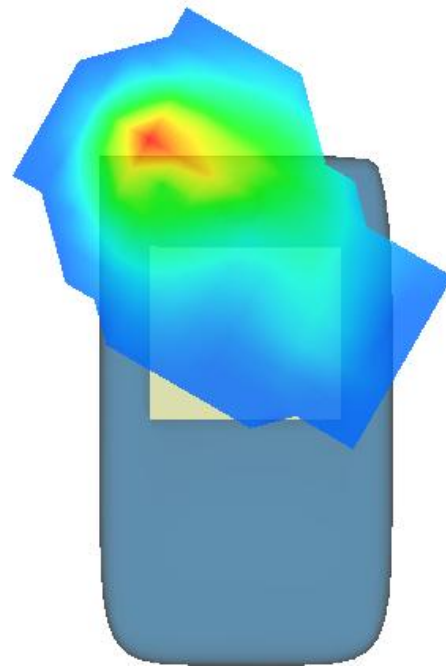
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 33

Left\_cheek\_high

Type: Phone measurement (Complete)

Date of measurement: 24/2/2014

Measurement duration: 13 minutes 50 seconds

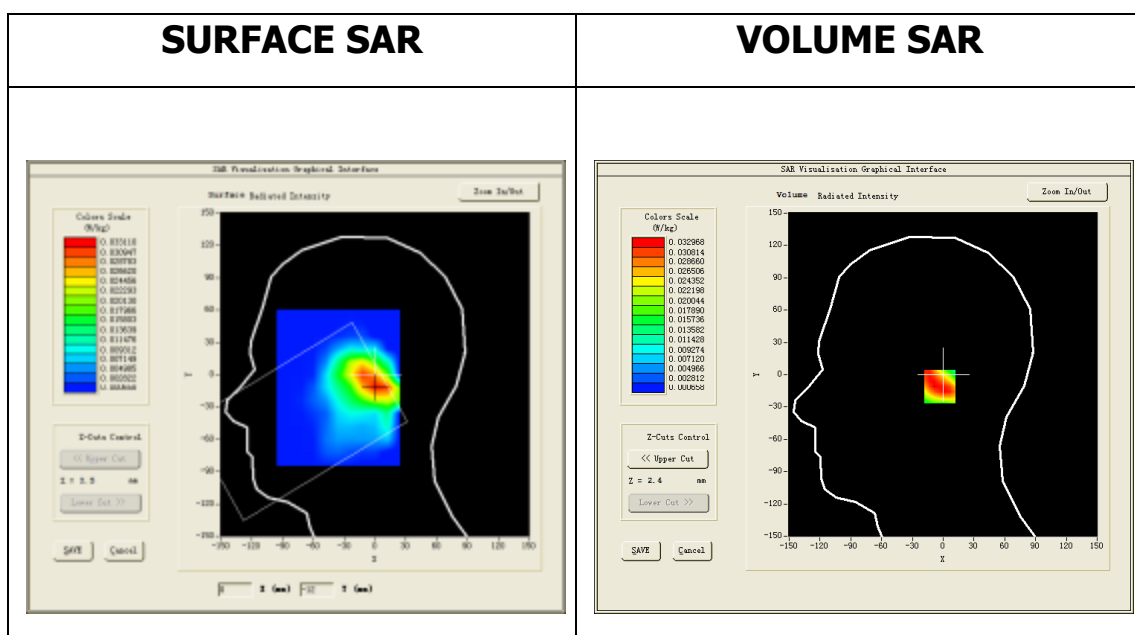
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=12mm dy=12mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>7x7x7,dx=5mm dy=5mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Left head</u>                                     |
| <b><u>Device Position</u></b> | <u>Cheek</u>                                         |
| <b><u>Band</u></b>            | <u>IEEE 802.11b ISM</u>                              |
| <b><u>Channels</u></b>        | <u>High</u>                                          |
| <b><u>Signal</u></b>          | <u>IEEE802.b (Crest factor: 1.0)</u>                 |

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

Higher Band SAR (Channel 11):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 2462.000000 |
| <b>Relative permittivity (real part)</b>      | 38.845813   |
| <b>Relative permittivity (imaginary part)</b> | 13.477300   |
| <b>Conductivity (S/m)</b>                     | 1.844973    |
| <b>Variation (%)</b>                          | -0.230000   |
| <b>ConvF</b>                                  | 5.32        |

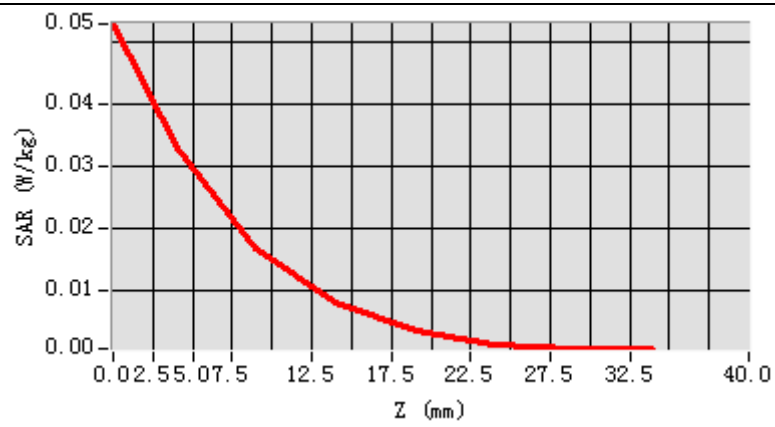


**Maximum location: X=2.00, Y=-11.00**

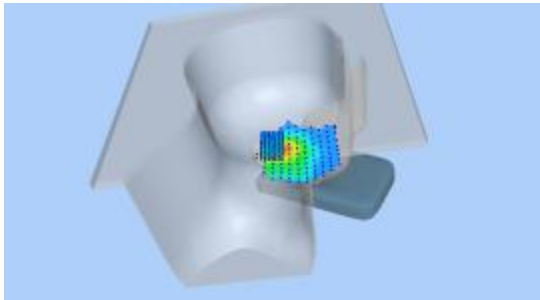
**SAR Peak: 0.06 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.018112 |
| <b>SAR 1g (W/Kg)</b>  | 0.034919 |

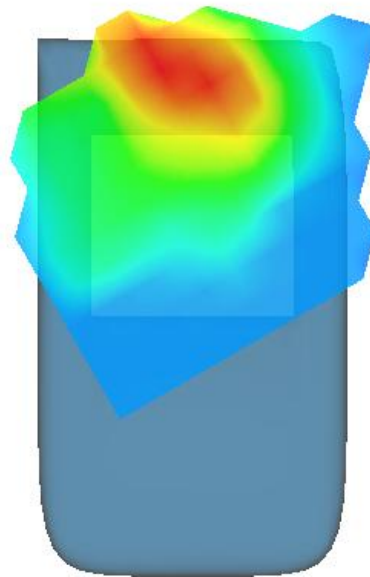
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 34

Left\_tilt\_high

Type: Phone measurement (Complete)

Date of measurement: 24/2/2014

Measurement duration: 13 minutes 37 seconds

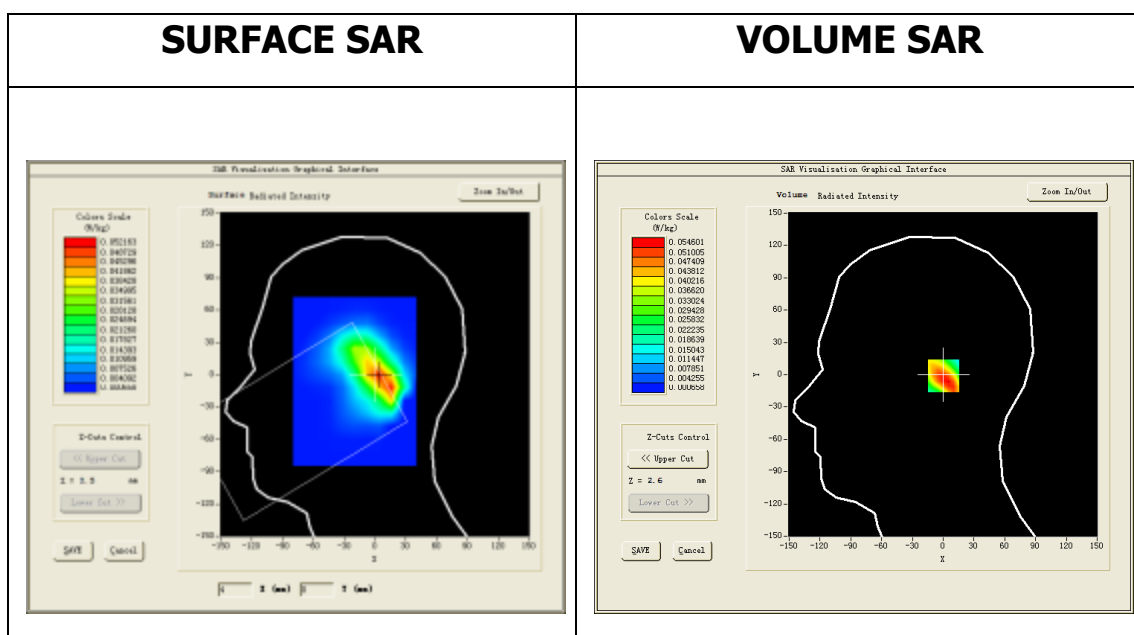
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=12mm dy=12mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>7x7x7,dx=5mm dy=5mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Left head</u>                                     |
| <b><u>Device Position</u></b> | <u>Tilt</u>                                          |
| <b><u>Band</u></b>            | <u>IEEE 802.11b ISM</u>                              |
| <b><u>Channels</u></b>        | <u>High</u>                                          |
| <b><u>Signal</u></b>          | <u>IEEE802.b (Crest factor: 1.0)</u>                 |

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

Higher Band SAR (Channel 11):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 2462.000000 |
| <b>Relative permittivity (real part)</b>      | 38.845813   |
| <b>Relative permittivity (imaginary part)</b> | 13.477300   |
| <b>Conductivity (S/m)</b>                     | 1.844973    |
| <b>Variation (%)</b>                          | 0.100000    |
| <b>ConvF</b>                                  | 5.32        |

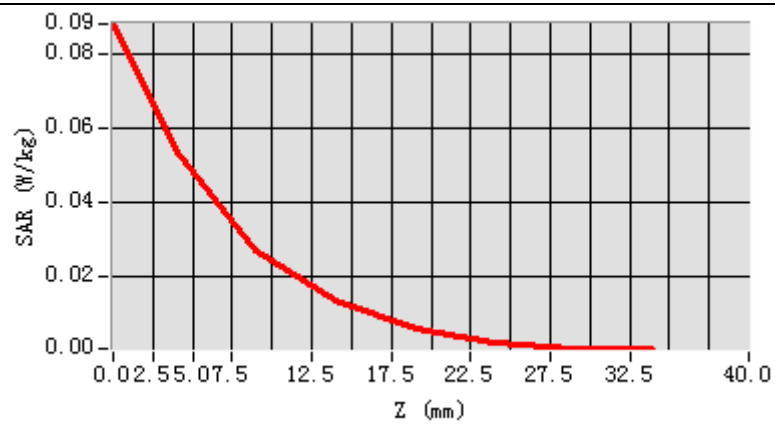


**Maximum location: X=5.00, Y=-1.00**

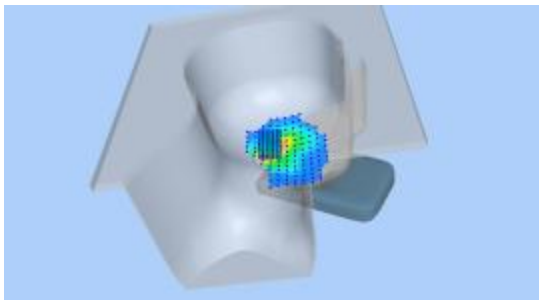
**SAR Peak: 0.10 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.028841 |
| <b>SAR 1g (W/Kg)</b>  | 0.057219 |

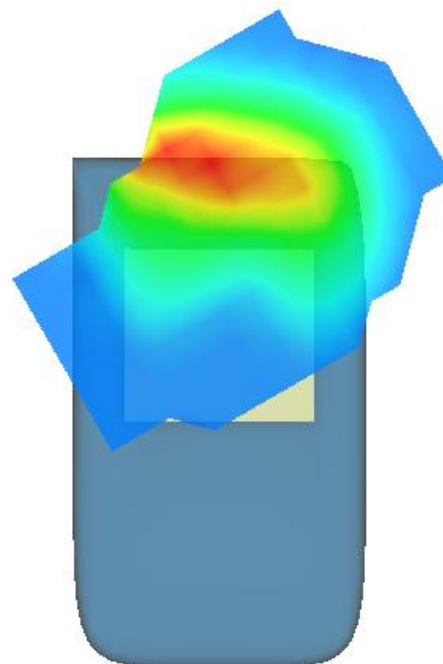
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 35

Left\_edge\_high\_0mm

Type: Phone measurement (Complete)

Date of measurement: 24/2/2014

Measurement duration: 18 minutes 22 seconds

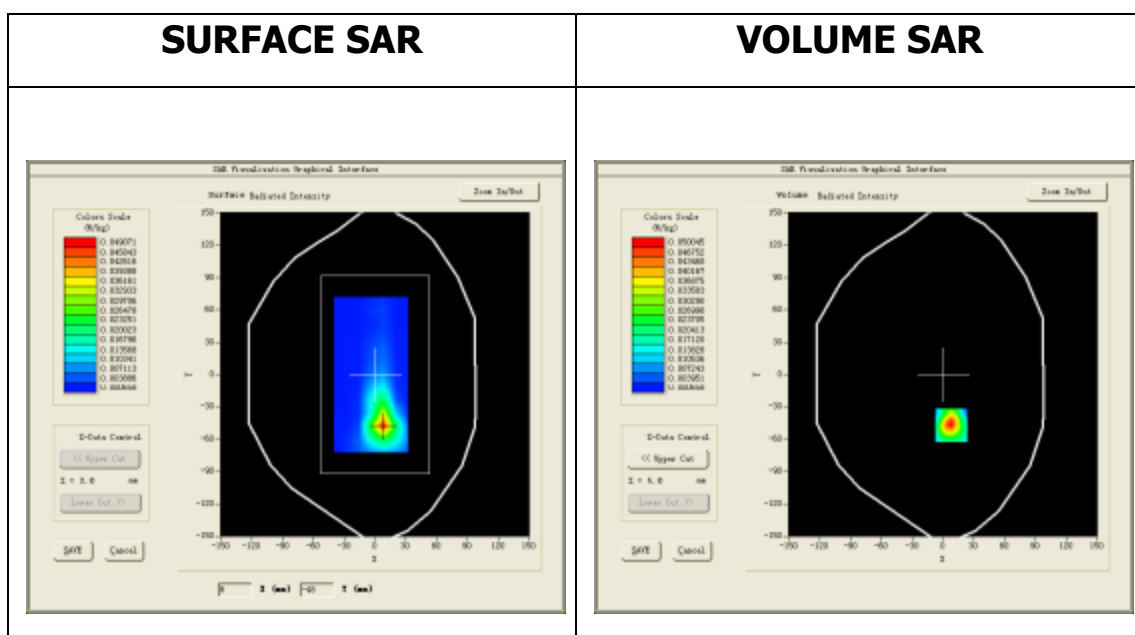
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=12mm dy=12mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>7x7x7,dx=5mm dy=5mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>IEEE 802.11b ISM</u>                              |
| <b><u>Channels</u></b>        | <u>High</u>                                          |
| <b><u>Signal</u></b>          | <u>IEEE802.b (Crest factor: 1.0)</u>                 |

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

Higher Band SAR (Channel 11):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 2462.000000 |
| <b>Relative permittivity (real part)</b>      | 52.801905   |
| <b>Relative permittivity (imaginary part)</b> | 14.628100   |
| <b>Conductivity (S/m)</b>                     | 2.002512    |
| <b>Variation (%)</b>                          | -3.670000   |
| <b>ConvF</b>                                  | 5.50        |

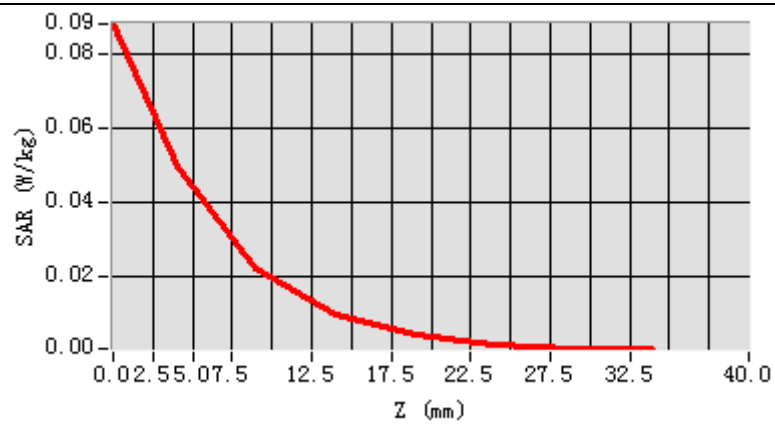


**Maximum location: X=8.00, Y=-47.00**

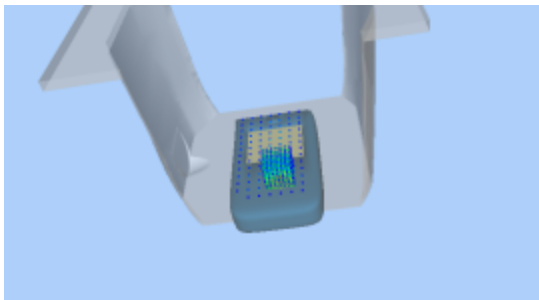
**SAR Peak: 0.10 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.021215 |
| <b>SAR 1g (W/Kg)</b>  | 0.050639 |

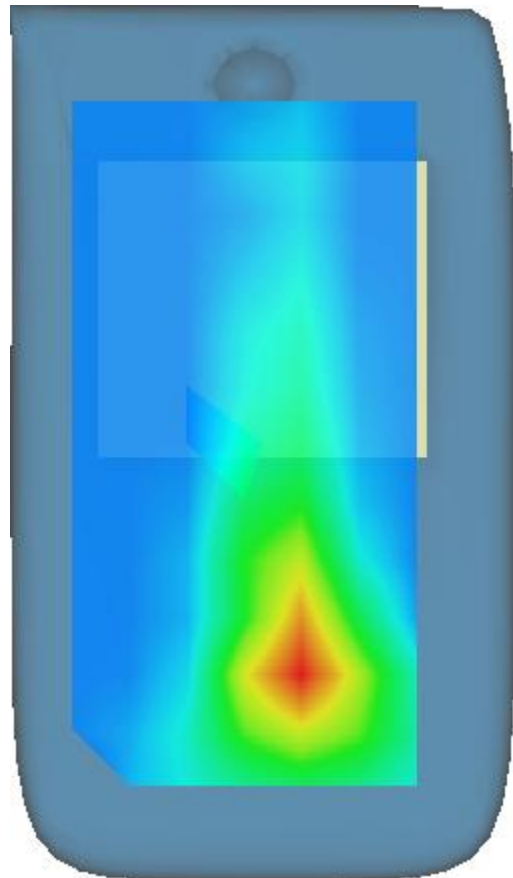
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 36

Top\_edge\_high\_0mm

Type: Phone measurement (Complete)

Date of measurement: 24/2/2014

Measurement duration: 18 minutes 19 seconds

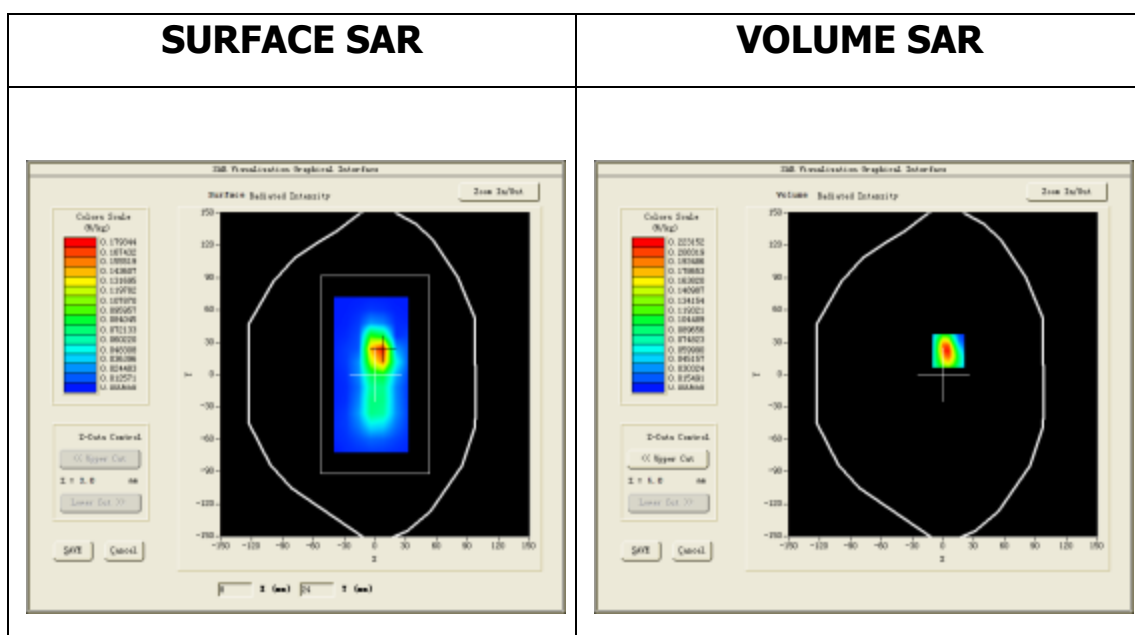
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=12mm dy=12mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>7x7x7,dx=5mm dy=5mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>IEEE 802.11b ISM</u>                              |
| <b><u>Channels</u></b>        | <u>High</u>                                          |
| <b><u>Signal</u></b>          | <u>IEEE802.b (Crest factor: 1.0)</u>                 |

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

Higher Band SAR (Channel 11):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 2462.000000 |
| <b>Relative permittivity (real part)</b>      | 52.801905   |
| <b>Relative permittivity (imaginary part)</b> | 14.628100   |
| <b>Conductivity (S/m)</b>                     | 2.002512    |
| <b>Variation (%)</b>                          | -0.740000   |
| <b>ConvF</b>                                  | 5.50        |

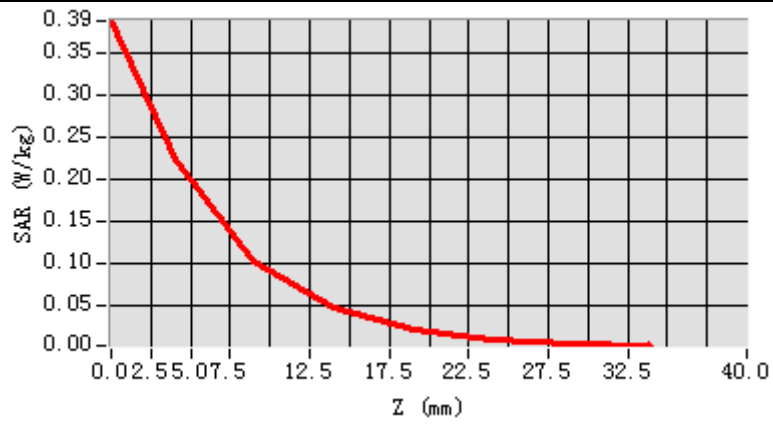


**Maximum location: X=5.00, Y=22.00**

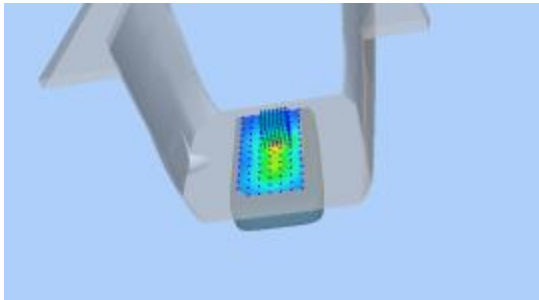
**SAR Peak: 0.43 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.094556 |
| <b>SAR 1g (W/Kg)</b>  | 0.225589 |

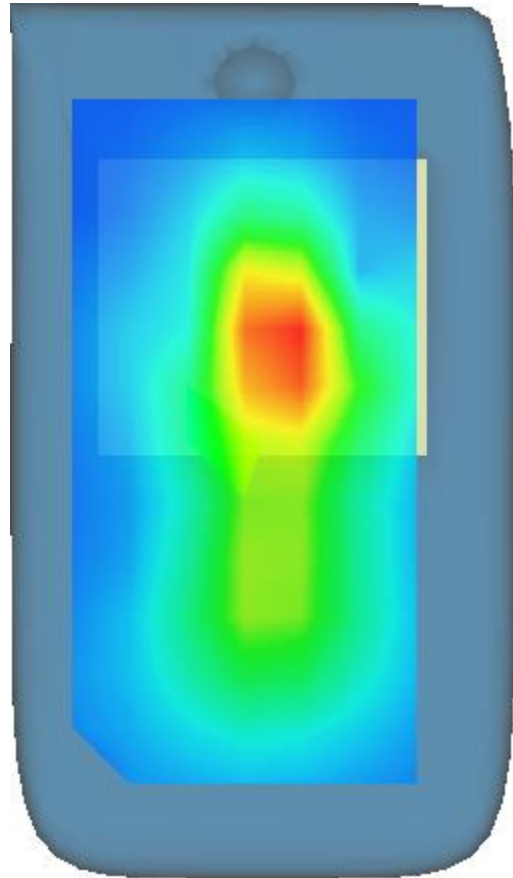
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 37

Towards\_ground\_high\_0mm

Type: Phone measurement (Complete)

Date of measurement: 24/2/2014

Measurement duration: 13 minutes 13 seconds

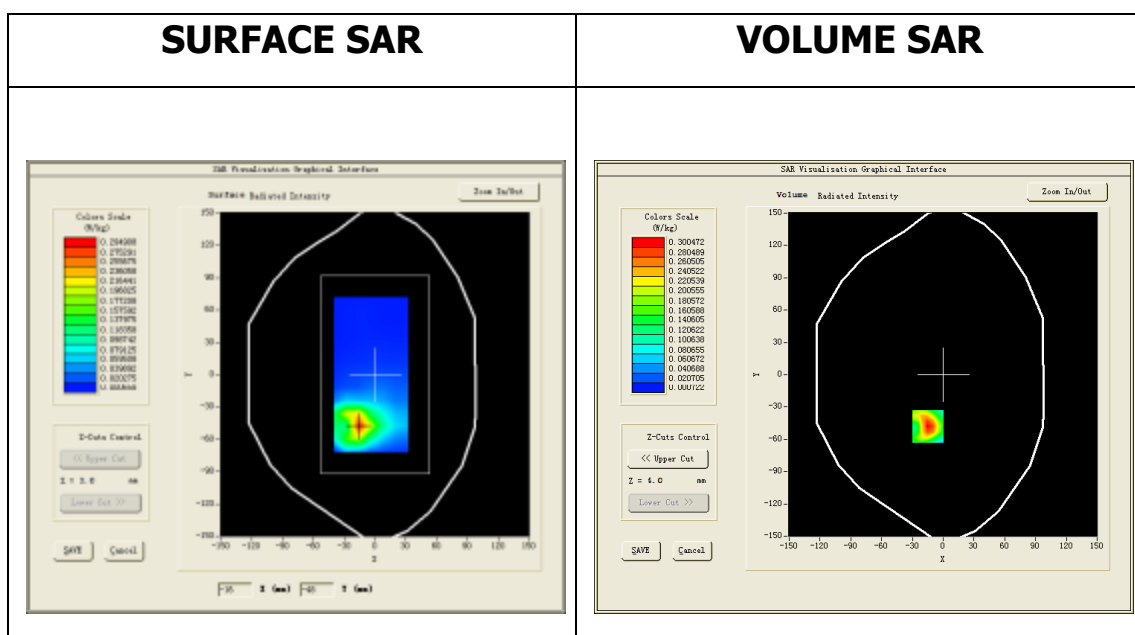
### **A. Experimental conditions.**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=12mm dy=12mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>7x7x7,dx=5mm dy=5mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>IEEE 802.11b ISM</u>                              |
| <b><u>Channels</u></b>        | <u>High</u>                                          |
| <b><u>Signal</u></b>          | <u>IEEE802.b (Crest factor: 1.0)</u>                 |

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

Higher Band SAR (Channel 11):

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 2462.000000 |
| <b>Relative permittivity (real part)</b>      | 52.801905   |
| <b>Relative permittivity (imaginary part)</b> | 14.628100   |
| <b>Conductivity (S/m)</b>                     | 2.002512    |
| <b>Variation (%)</b>                          | -0.190000   |
| <b>ConvF</b>                                  | 5.50        |

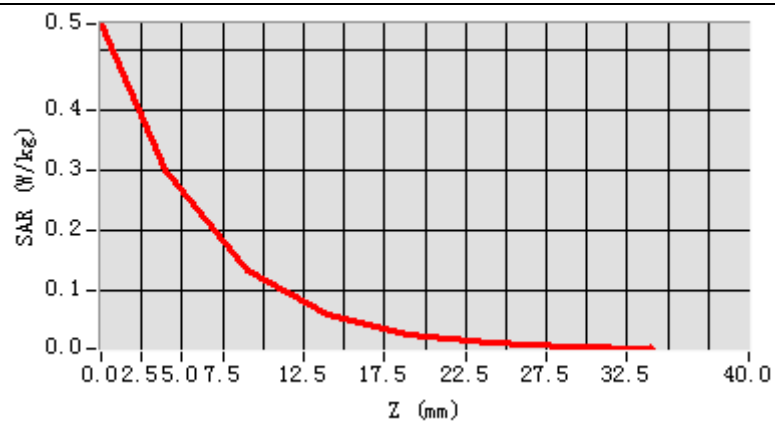


**Maximum location: X=-15.00, Y=-48.00**

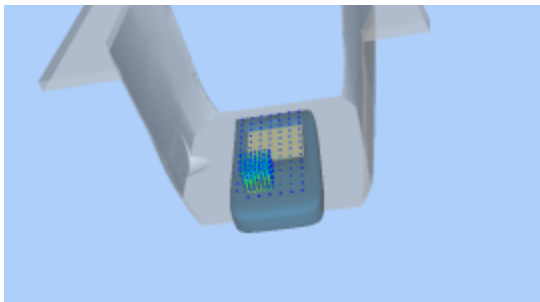
**SAR Peak: 0.59 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.140646 |
| <b>SAR 1g (W/Kg)</b>  | 0.309709 |

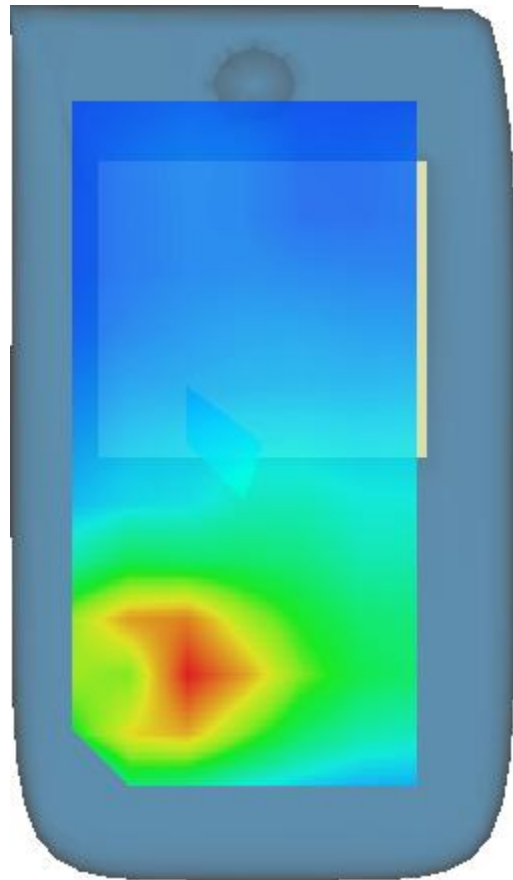
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 38

Towards\_ground\_low\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

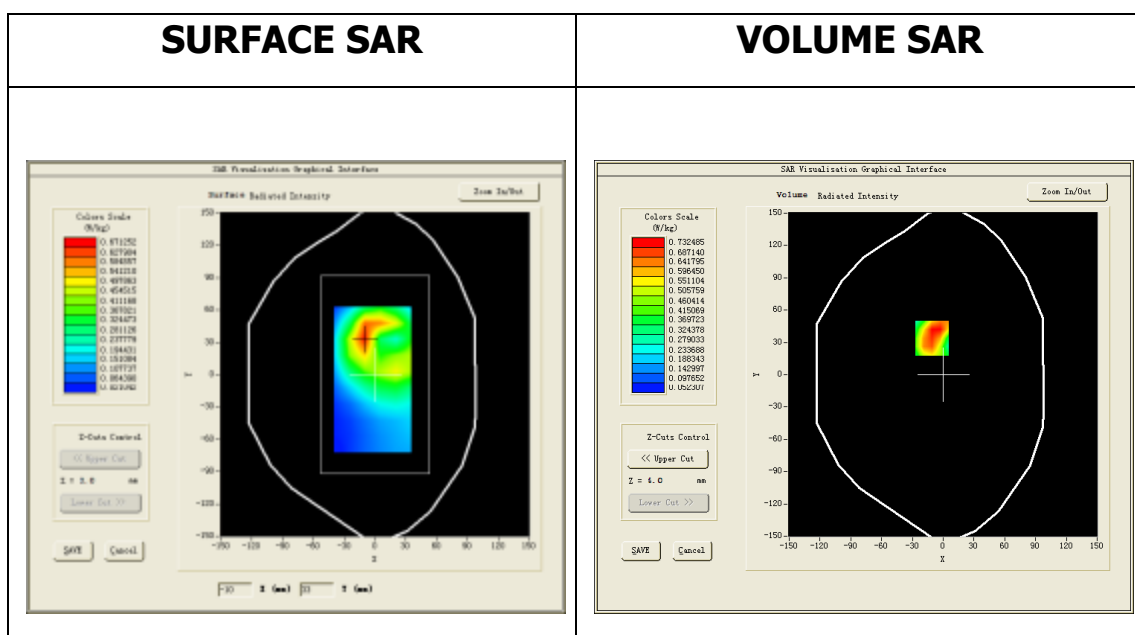
Measurement duration: 9 minutes 20 seconds

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

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>CUSTOM (GPRS850 3Tx)</u>                          |
| <b><u>Channels</u></b>        | <u>Low</u>                                           |
| <b><u>Signal</u></b>          | <u>Duty Cycle: 2.67 (Crest factor: 2.7)</u>          |

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

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 824.200012 |
| <b>Relative permittivity (real part)</b>      | 53.610270  |
| <b>Relative permittivity (imaginary part)</b> | 20.584020  |
| <b>Conductivity (S/m)</b>                     | 0.953687   |
| <b>Variation (%)</b>                          | 0.570000   |
| <b>ConvF</b>                                  | 6.17       |

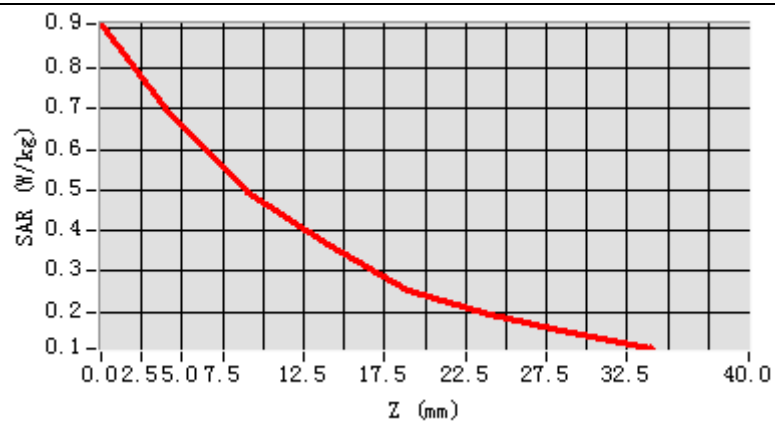


**Maximum location: X=-11.00, Y=34.00**

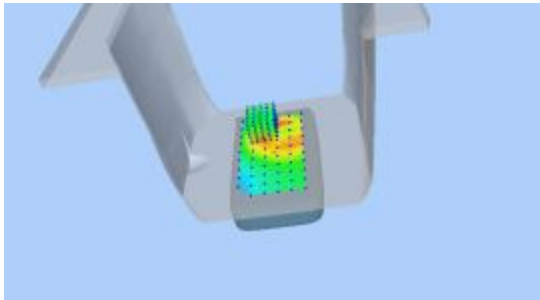
**SAR Peak: 1.11 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.451611 |
| <b>SAR 1g (W/Kg)</b>  | 0.723078 |

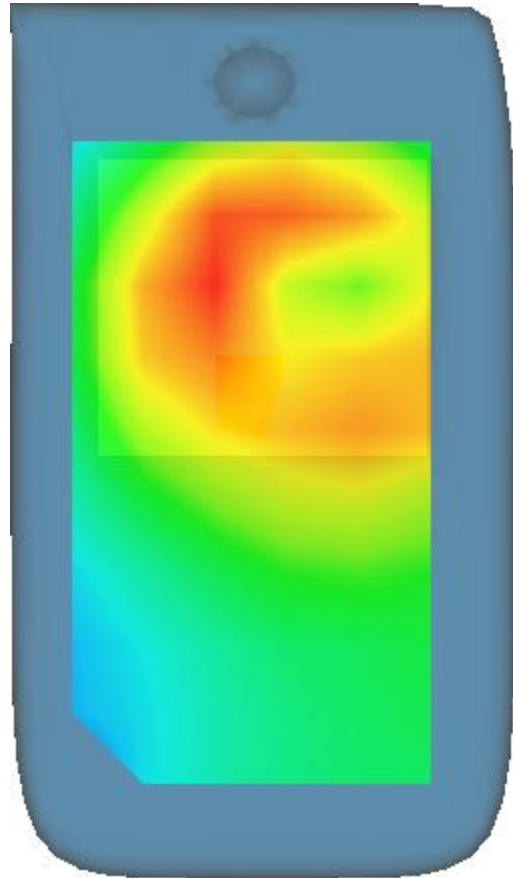
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 39

Bottom\_edge\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

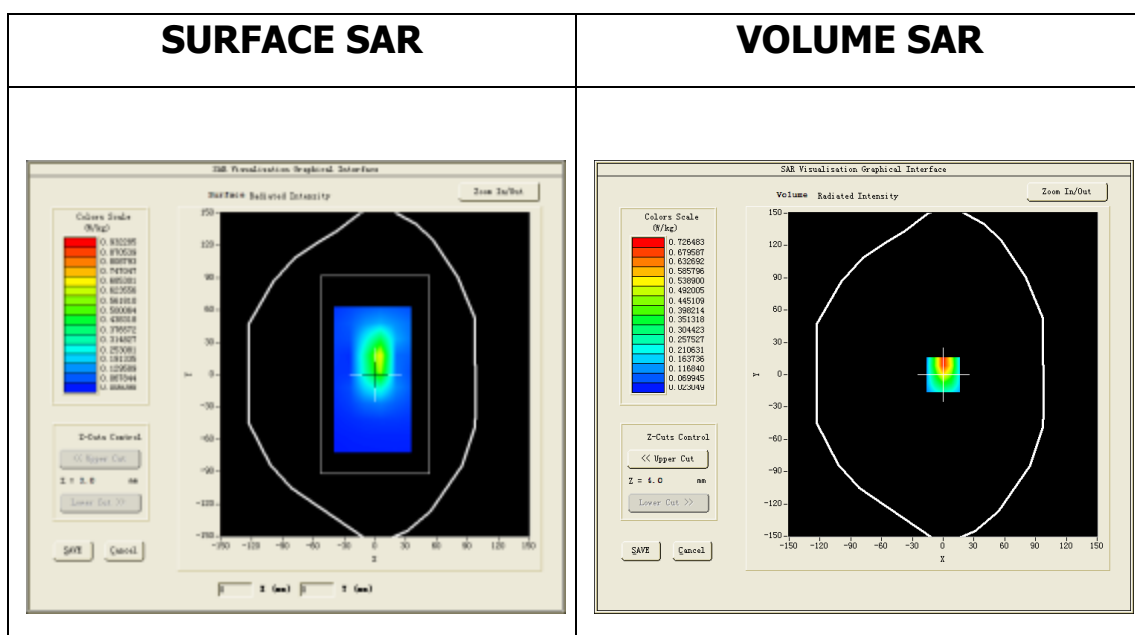
Measurement duration: 11 minutes 17 seconds

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

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>CUSTOM (GPRS850 3Tx)</u>                          |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>Duty Cycle: 2.67 (Crest factor: 2.7)</u>          |

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

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.599976 |
| <b>Relative permittivity (real part)</b>      | 53.388620  |
| <b>Relative permittivity (imaginary part)</b> | 20.748321  |
| <b>Conductivity (S/m)</b>                     | 0.963316   |
| <b>Variation (%)</b>                          | -3.360000  |
| <b>ConvF</b>                                  | 6.17       |

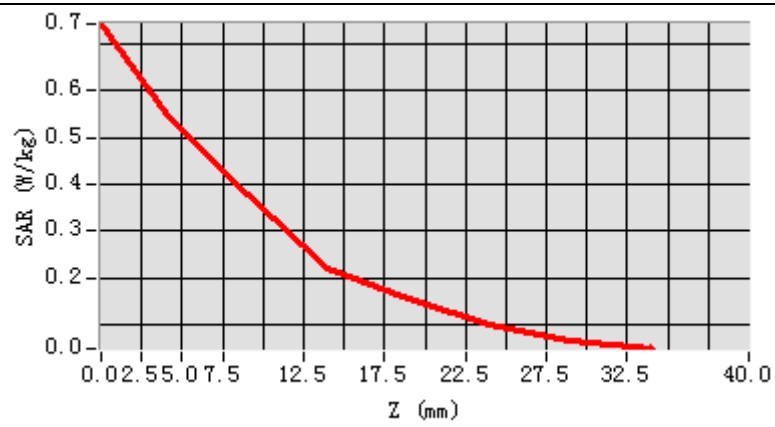


**Maximum location: X=0.00, Y=0.00**

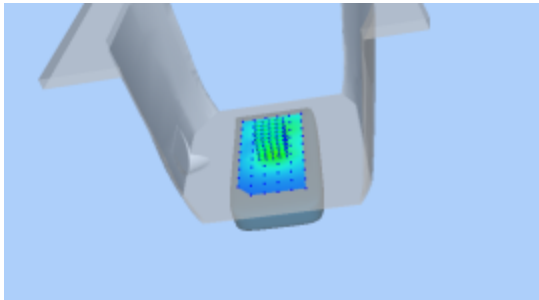
**SAR Peak: 1.14 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.338032 |
| <b>SAR 1g (W/Kg)</b>  | 0.680271 |

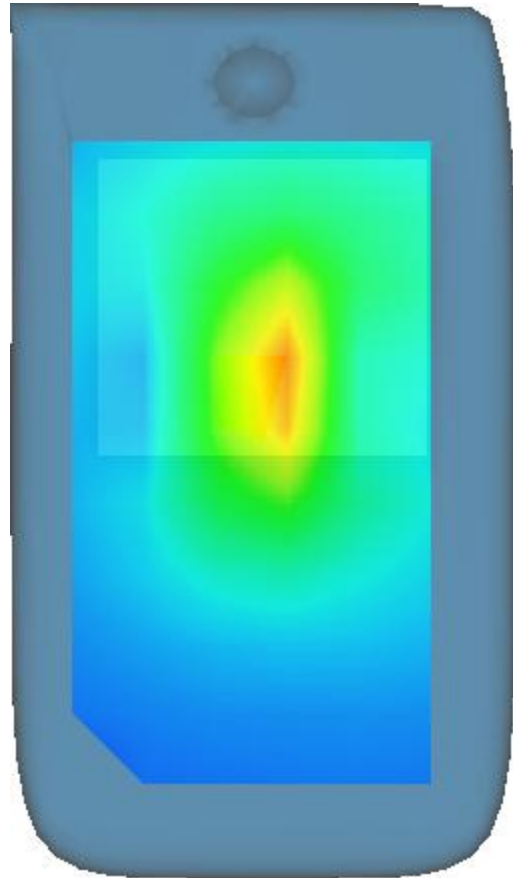
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 40

Left\_edge\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

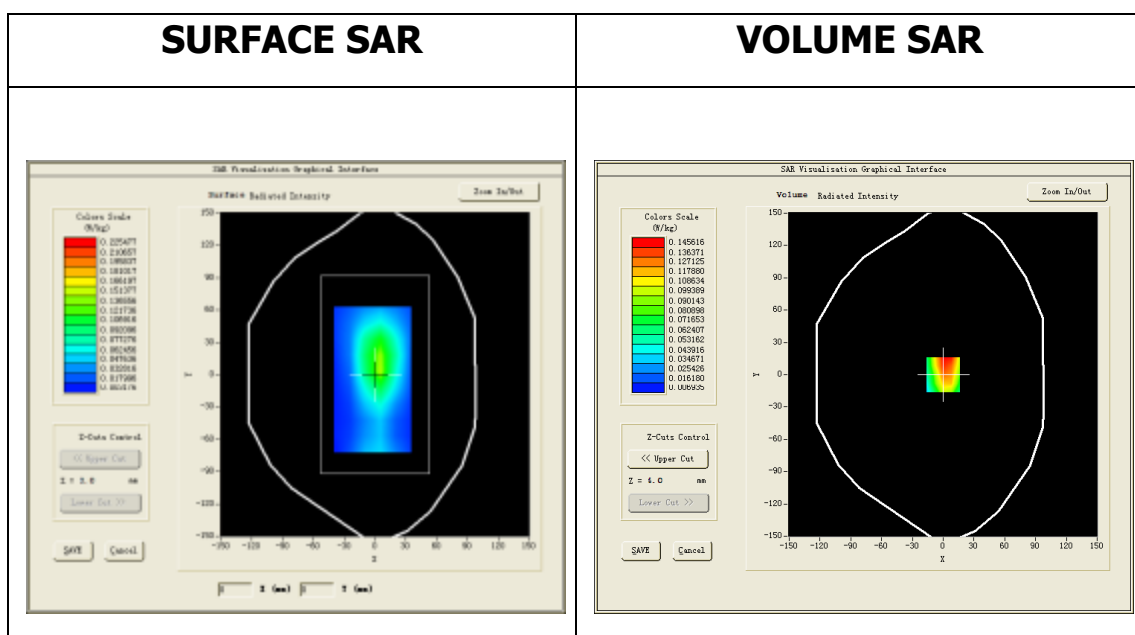
Measurement duration: 11 minutes 25 seconds

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

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>CUSTOM (GPRS850 3Tx)</u>                          |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>Duty Cycle: 2.67 (Crest factor: 2.7)</u>          |

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

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.599976 |
| <b>Relative permittivity (real part)</b>      | 53.388620  |
| <b>Relative permittivity (imaginary part)</b> | 20.748321  |
| <b>Conductivity (S/m)</b>                     | 0.963316   |
| <b>Variation (%)</b>                          | -0.240000  |
| <b>ConvF</b>                                  | 6.17       |

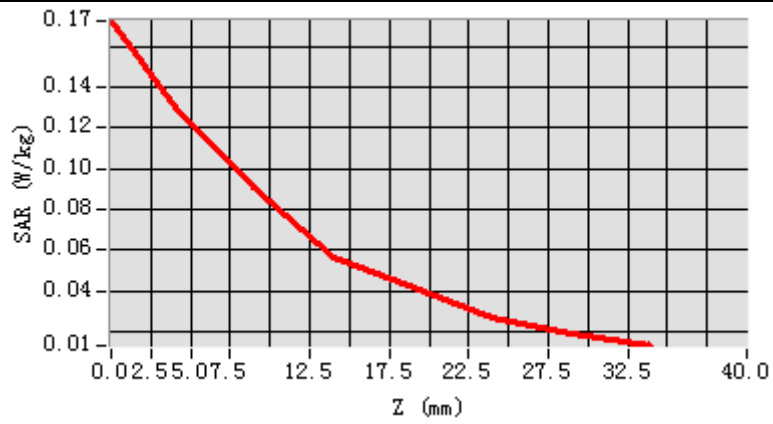


**Maximum location: X=0.00, Y=0.00**

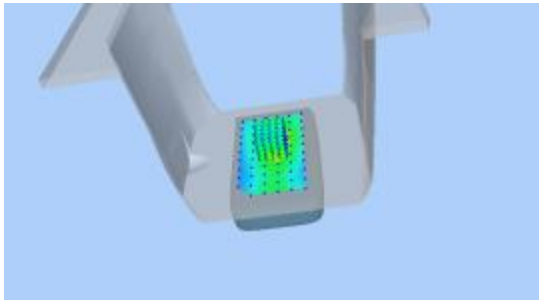
**SAR Peak: 0.22 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.083809 |
| <b>SAR 1g (W/Kg)</b>  | 0.141779 |

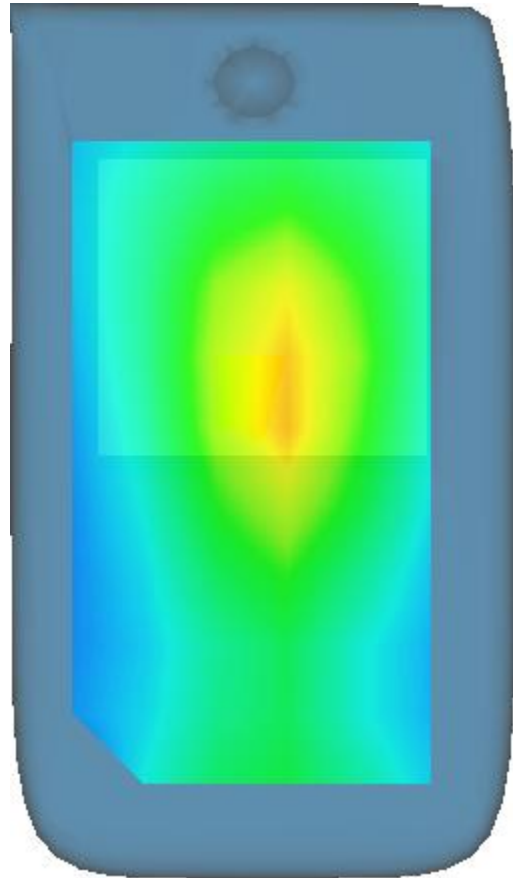
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 41

Right\_edge\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

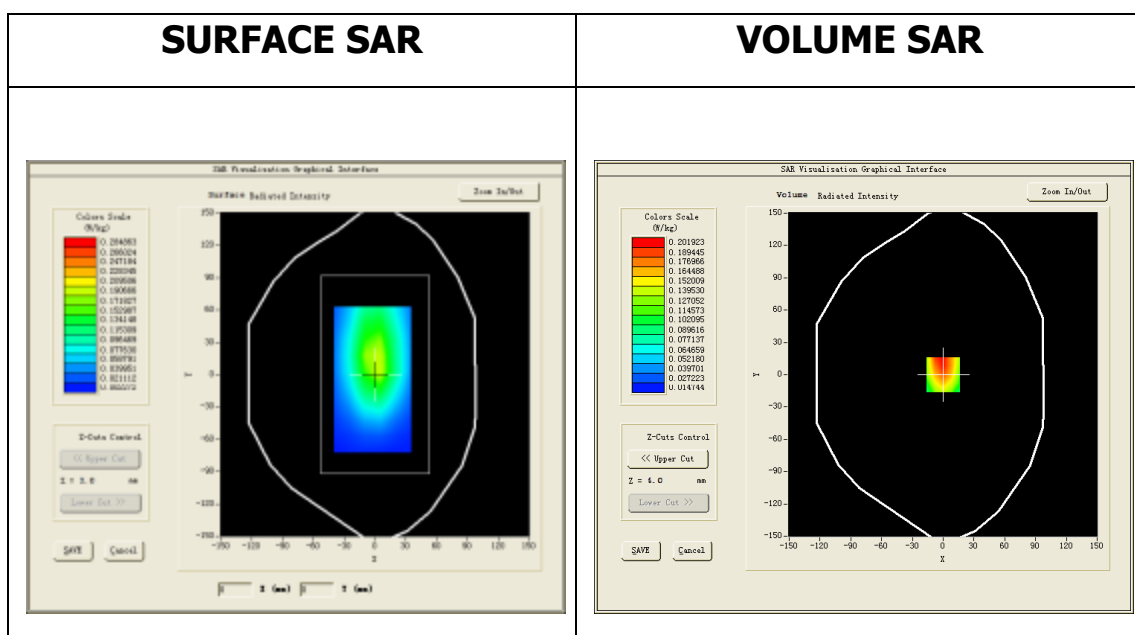
Measurement duration: 11 minutes 17 seconds

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

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>CUSTOM (GPRS850 3Tx)</u>                          |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>Duty Cycle: 2.67 (Crest factor: 2.7)</u>          |

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

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.599976 |
| <b>Relative permittivity (real part)</b>      | 53.388620  |
| <b>Relative permittivity (imaginary part)</b> | 20.748321  |
| <b>Conductivity (S/m)</b>                     | 0.963316   |
| <b>Variation (%)</b>                          | 2.450000   |
| <b>ConvF</b>                                  | 6.17       |

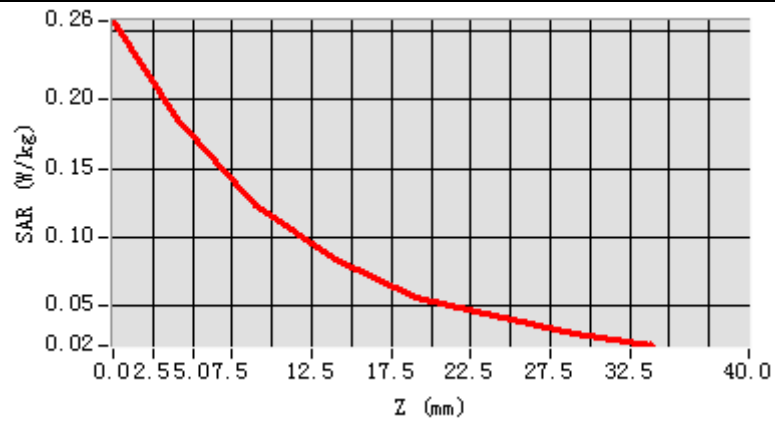


**Maximum location: X=0.00, Y=0.00**

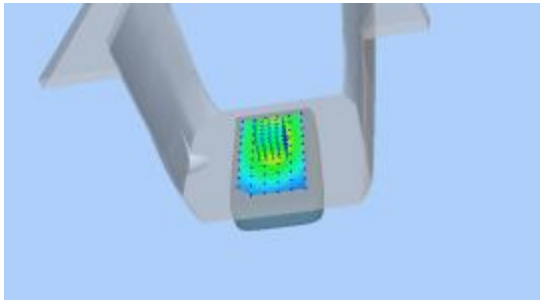
**SAR Peak: 0.31 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.120440 |
| <b>SAR 1g (W/Kg)</b>  | 0.196438 |

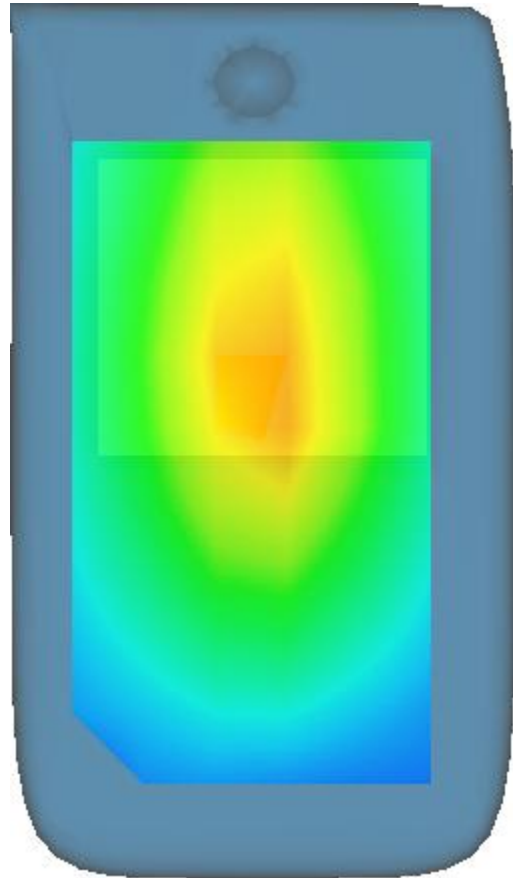
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 42

Towards\_ground\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

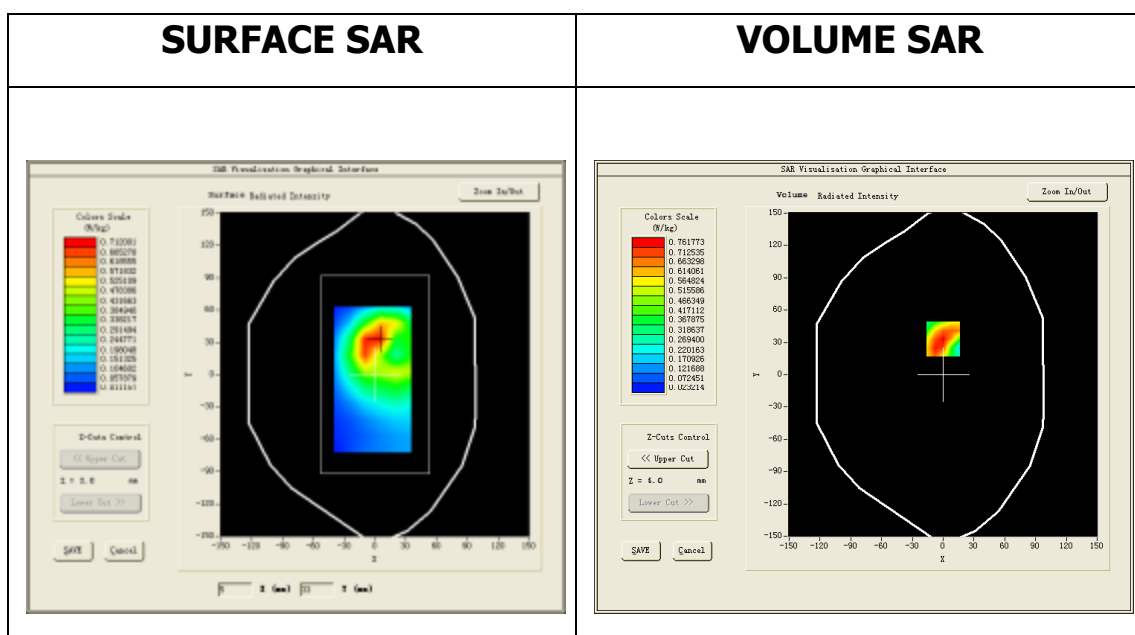
Measurement duration: 11 minutes 7 seconds

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

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>CUSTOM (GPRS850 3Tx)</u>                          |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>Duty Cycle: 2.67 (Crest factor: 2.7)</u>          |

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

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.599976 |
| <b>Relative permittivity (real part)</b>      | 53.388620  |
| <b>Relative permittivity (imaginary part)</b> | 20.748321  |
| <b>Conductivity (S/m)</b>                     | 0.963316   |
| <b>Variation (%)</b>                          | 0.500000   |
| <b>ConvF</b>                                  | 6.17       |

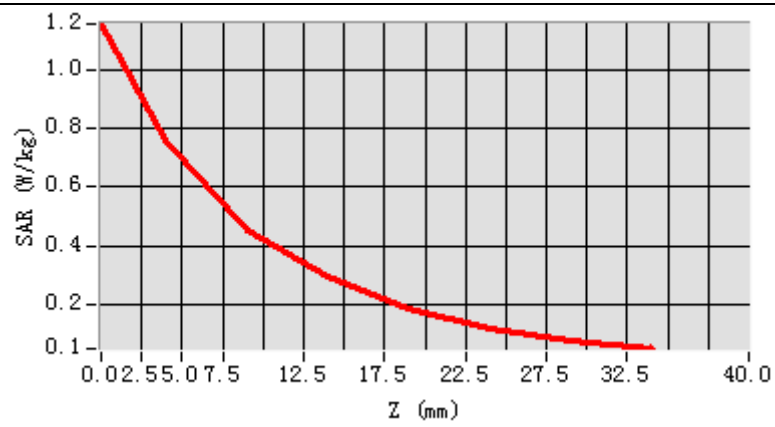


**Maximum location: X=0.00, Y=33.00**

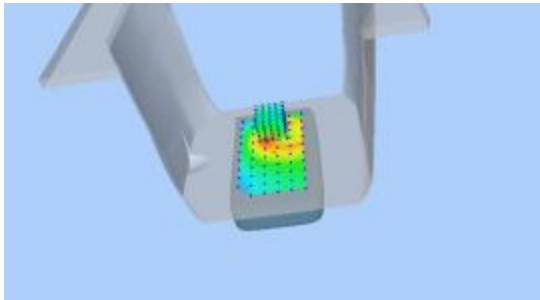
**SAR Peak: 1.19 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.433461 |
| <b>SAR 1g (W/Kg)</b>  | 0.747725 |

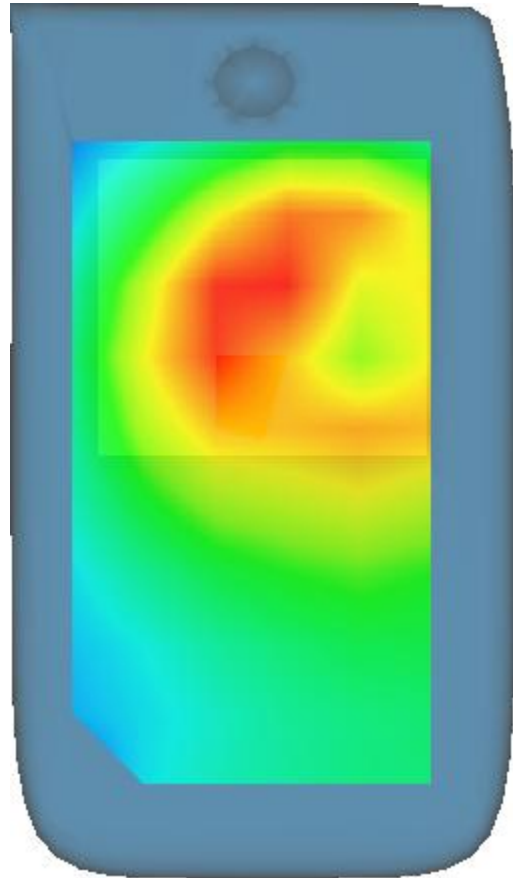
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 43

Towards\_ground\_high\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

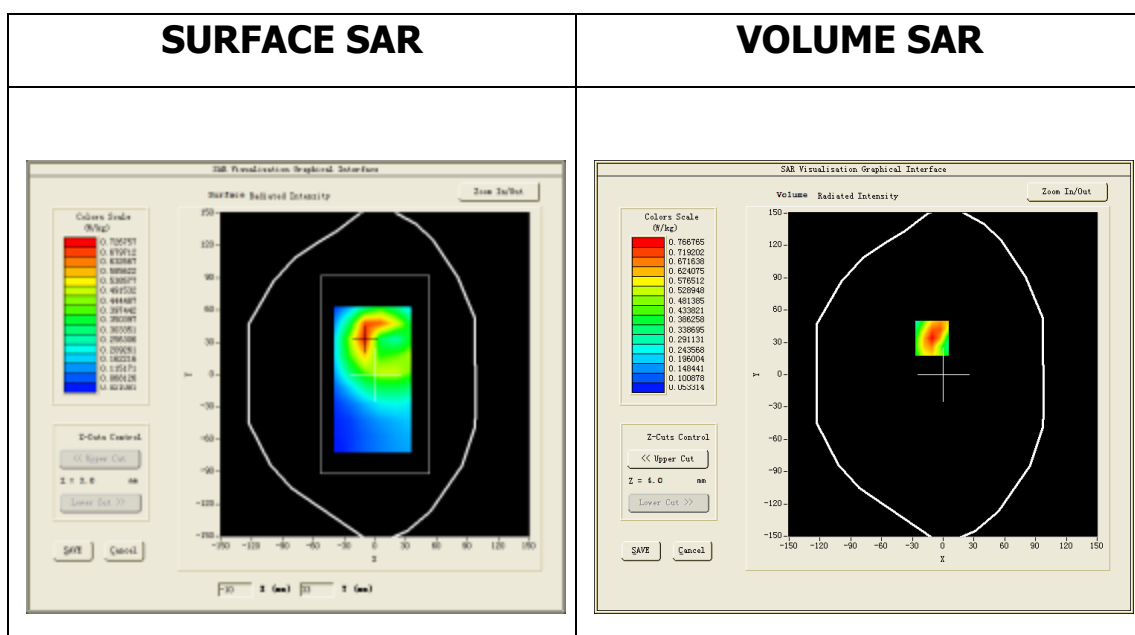
Measurement duration: 9 minutes 19 seconds

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

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>CUSTOM (GPRS850 3Tx)</u>                          |
| <b><u>Channels</u></b>        | <u>High</u>                                          |
| <b><u>Signal</u></b>          | <u>Duty Cycle: 2.67 (Crest factor: 2.7)</u>          |

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

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 848.799988 |
| <b>Relative permittivity (real part)</b>      | 53.206782  |
| <b>Relative permittivity (imaginary part)</b> | 20.952301  |
| <b>Conductivity (S/m)</b>                     | 0.990261   |
| <b>Variation (%)</b>                          | -4.550000  |
| <b>ConvF</b>                                  | 6.17       |

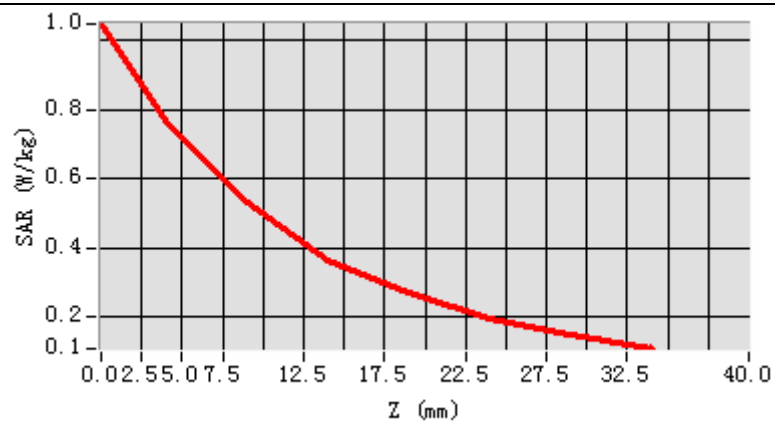


**Maximum location: X=-11.00, Y=34.00**

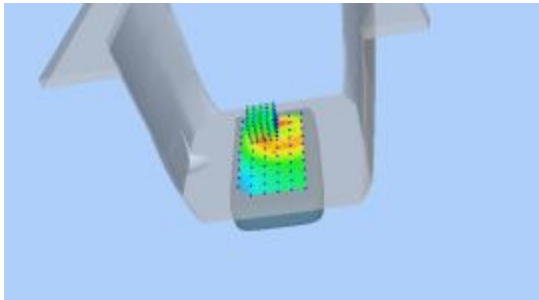
**SAR Peak: 1.08 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.460945 |
| <b>SAR 1g (W/Kg)</b>  | 0.732076 |

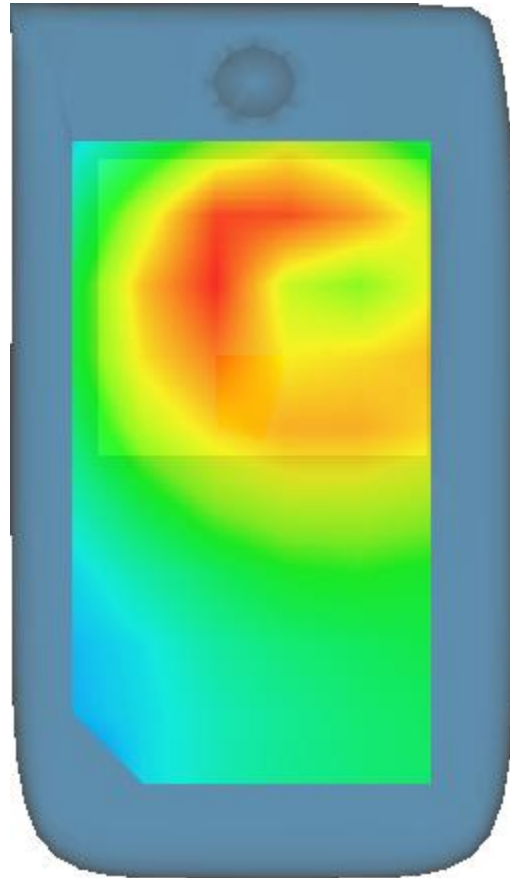
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 44

Towards\_ground\_low\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

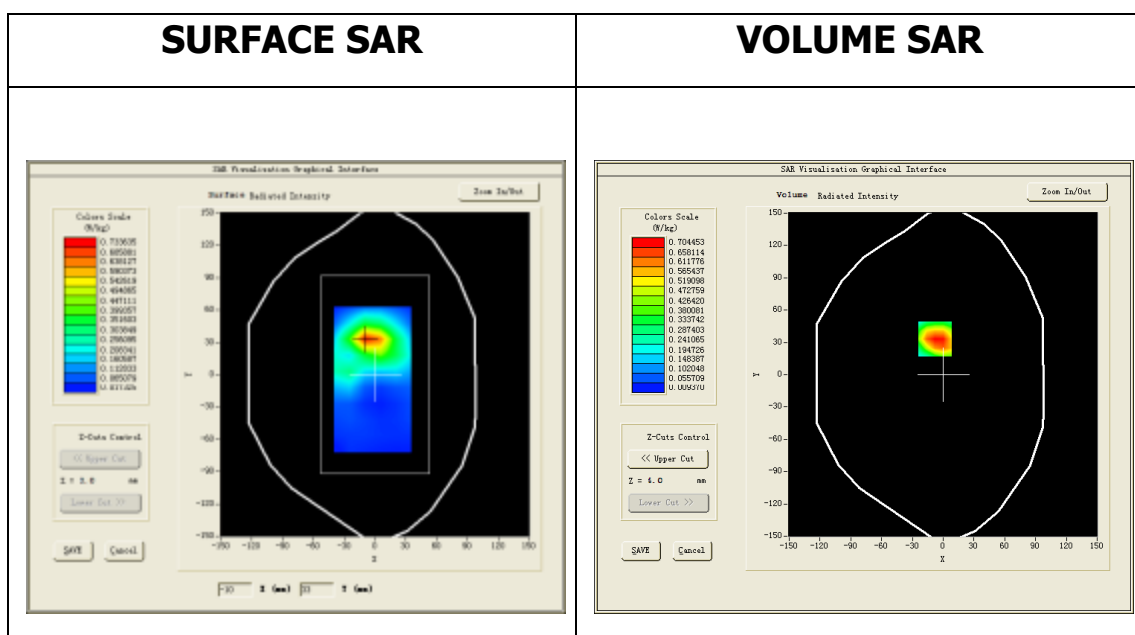
Measurement duration: 9 minutes 51 seconds

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

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>CUSTOM (GPRS1900 4Tx)</u>                         |
| <b><u>Channels</u></b>        | <u>Low</u>                                           |
| <b><u>Signal</u></b>          | <u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>          |

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

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1850.199951 |
| <b>Relative permittivity (real part)</b>      | 52.123501   |
| <b>Relative permittivity (imaginary part)</b> | 14.469940   |
| <b>Conductivity (S/m)</b>                     | 1.487349    |
| <b>Variation (%)</b>                          | 1.020000    |
| <b>ConvF</b>                                  | 6.25        |

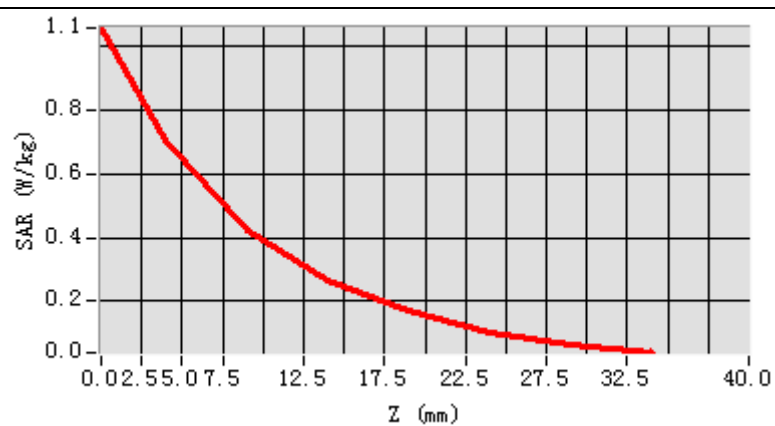


**Maximum location: X=-8.00, Y=33.00**

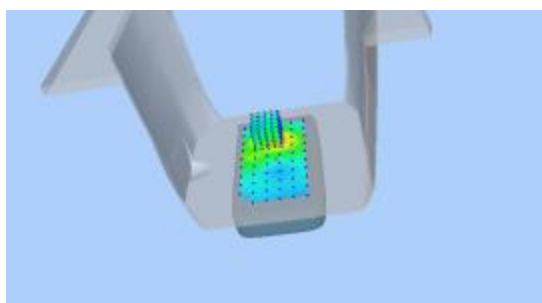
**SAR Peak: 1.06 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.389154 |
| <b>SAR 1g (W/Kg)</b>  | 0.677985 |

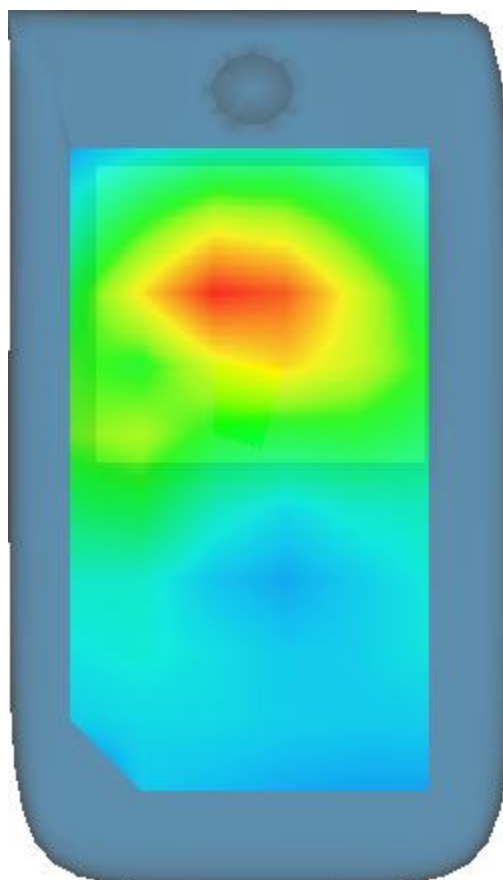
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 45

Bottom\_edge\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

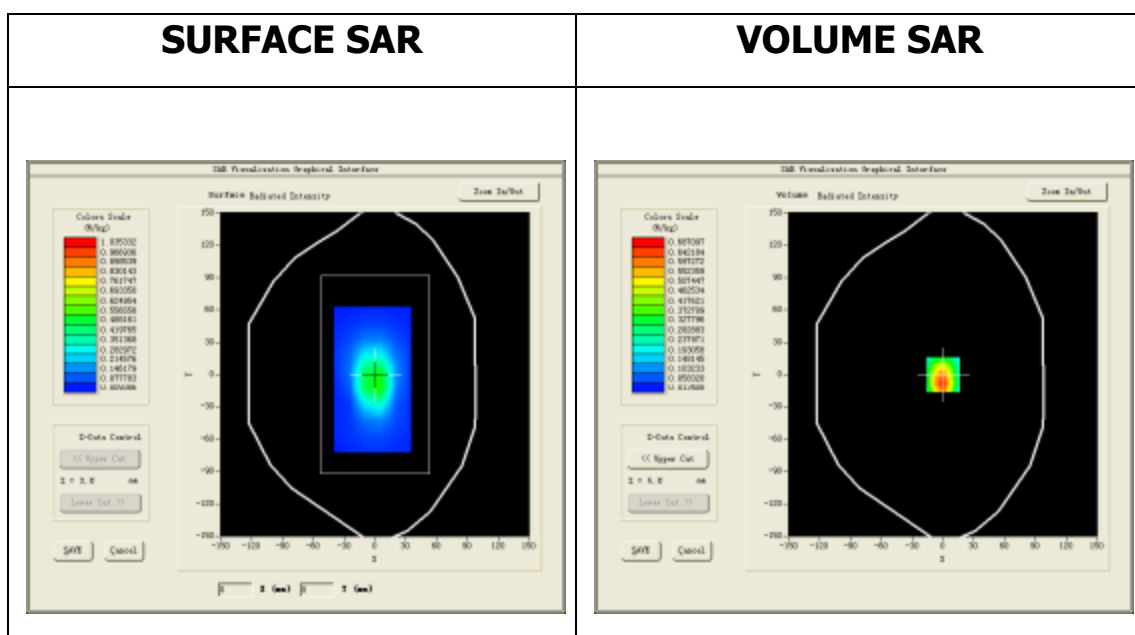
Measurement duration: 11 minutes 21 seconds

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

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>CUSTOM (GPRS1900 4Tx)</u>                         |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>          |

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

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 52.059399   |
| <b>Relative permittivity (imaginary part)</b> | 14.586700   |
| <b>Conductivity (S/m)</b>                     | 1.523500    |
| <b>Variation (%)</b>                          | -1.060000   |
| <b>ConvF</b>                                  | 6.25        |

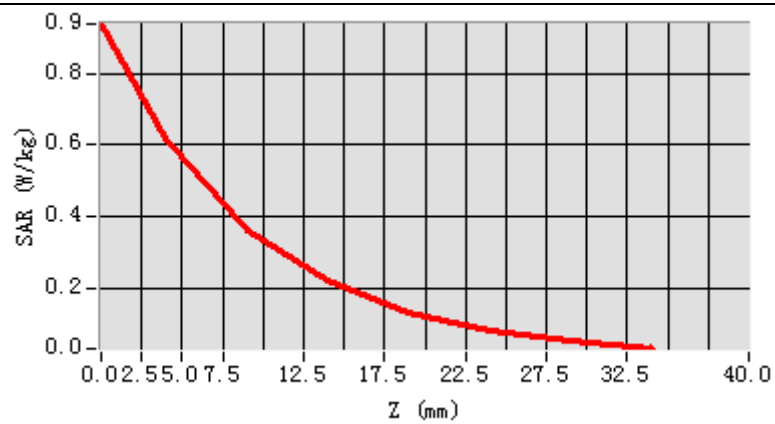


**Maximum location: X=0.00, Y=0.00**

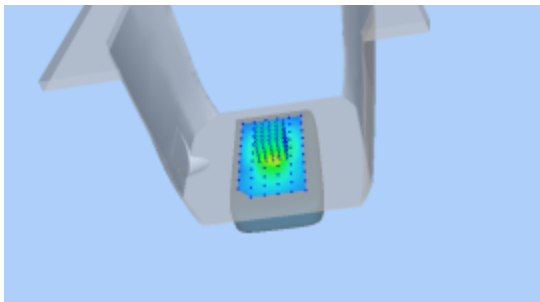
**SAR Peak: 1.04 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.345644 |
| <b>SAR 1g (W/Kg)</b>  | 0.641449 |

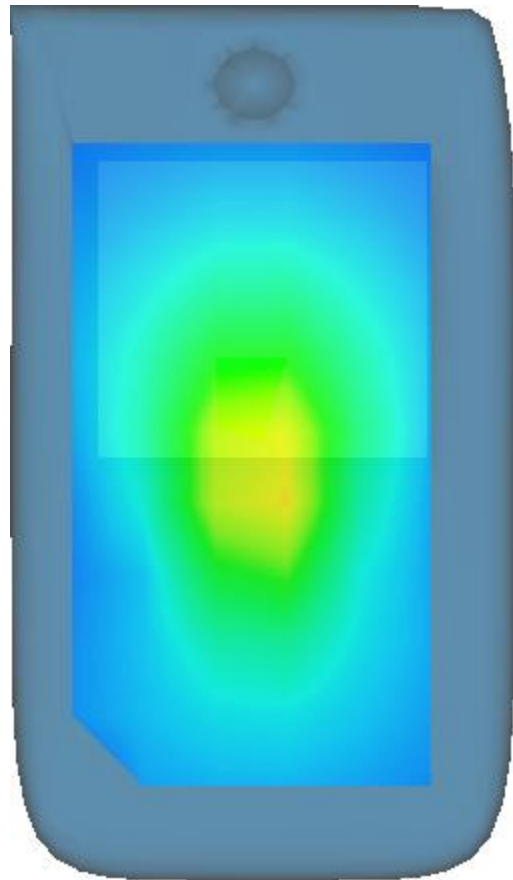
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 46

Left\_edge\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

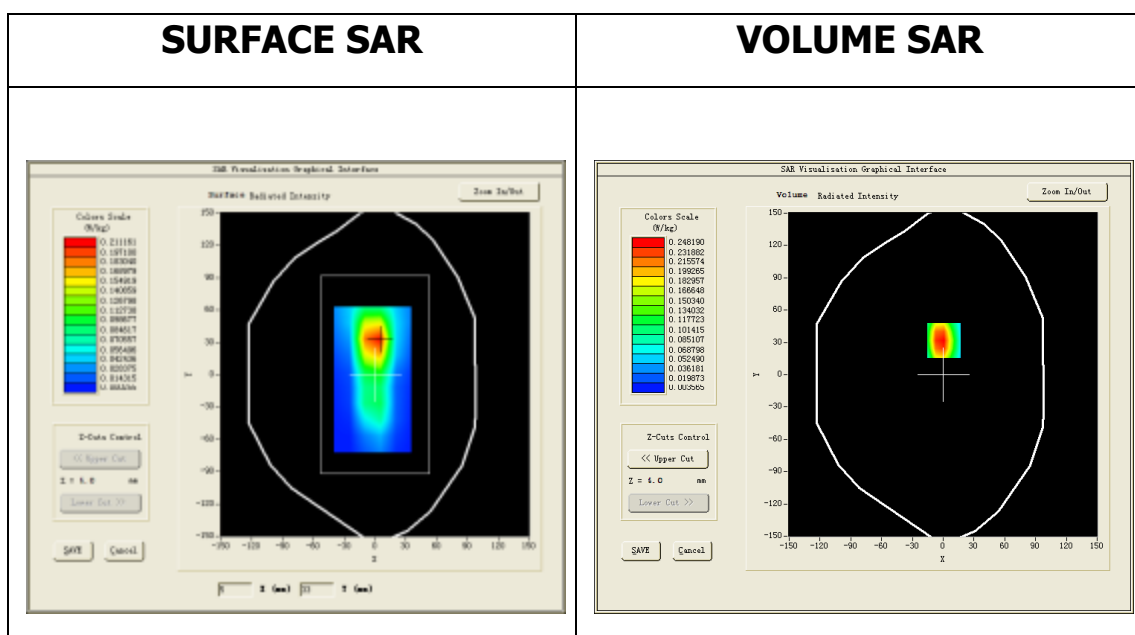
Measurement duration: 10 minutes 46 seconds

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

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>CUSTOM (GPRS1900 4Tx)</u>                         |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>          |

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

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 52.059399   |
| <b>Relative permittivity (imaginary part)</b> | 14.586700   |
| <b>Conductivity (S/m)</b>                     | 1.523500    |
| <b>Variation (%)</b>                          | -3.990000   |
| <b>ConvF</b>                                  | 6.25        |

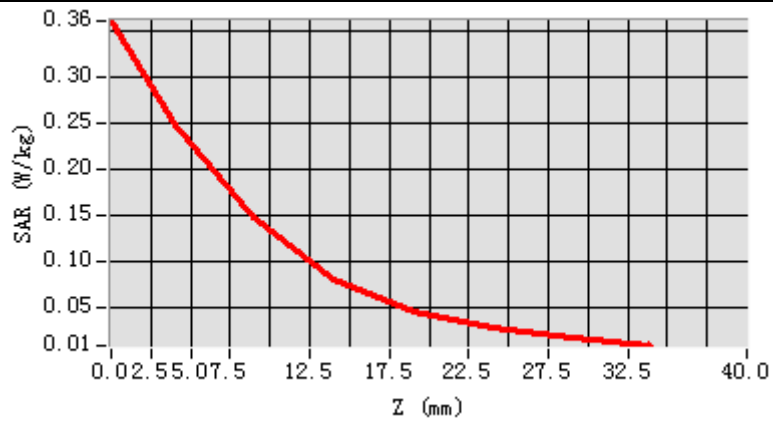


**Maximum location: X=1.00, Y=32.00**

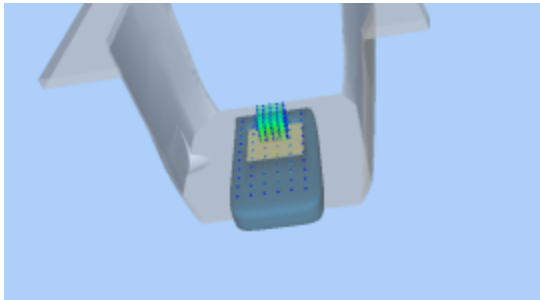
**SAR Peak: 0.40 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.129567 |
| <b>SAR 1g (W/Kg)</b>  | 0.249234 |

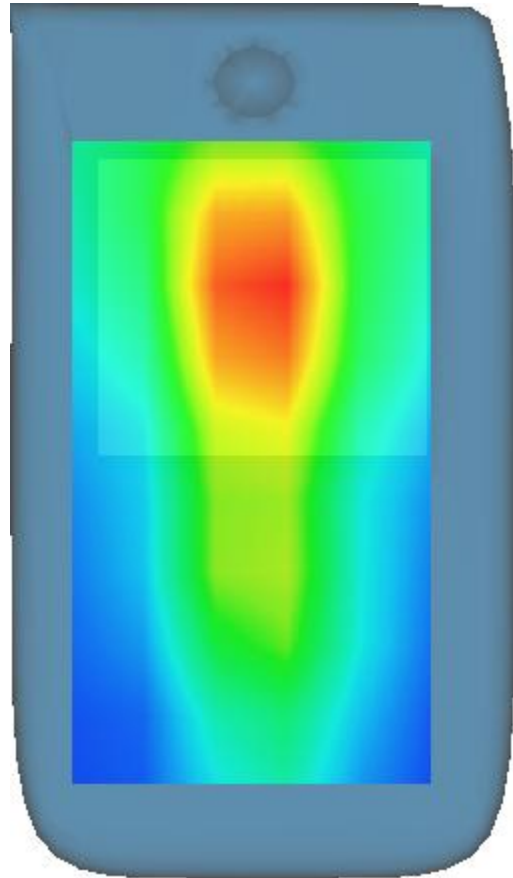
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 47

Right\_edge\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

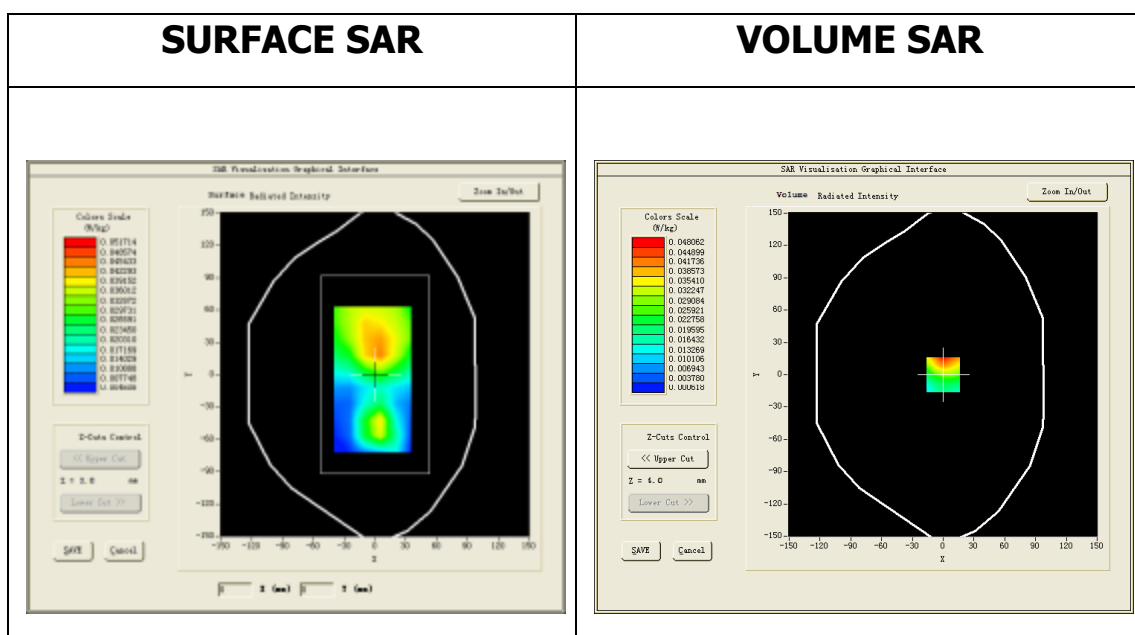
Measurement duration: 11 minutes 20 seconds

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

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>CUSTOM (GPRS1900 4Tx)</u>                         |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>          |

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

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 52.059399   |
| <b>Relative permittivity (imaginary part)</b> | 14.586700   |
| <b>Conductivity (S/m)</b>                     | 1.523500    |
| <b>Variation (%)</b>                          | -3.120000   |
| <b>ConvF</b>                                  | 6.25        |

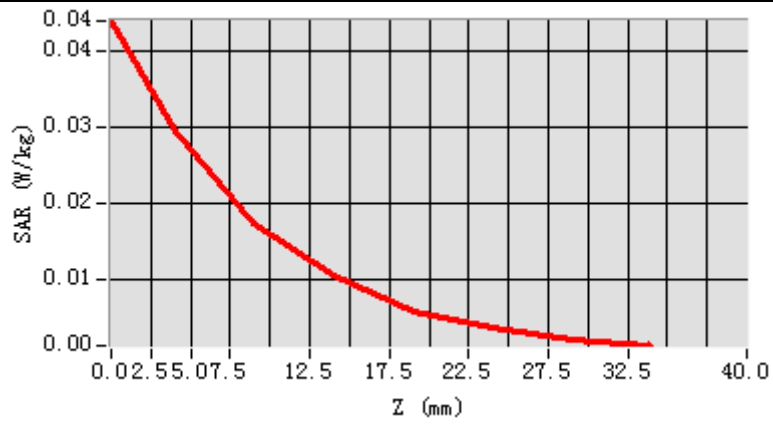


**Maximum location: X=0.00, Y=0.00**

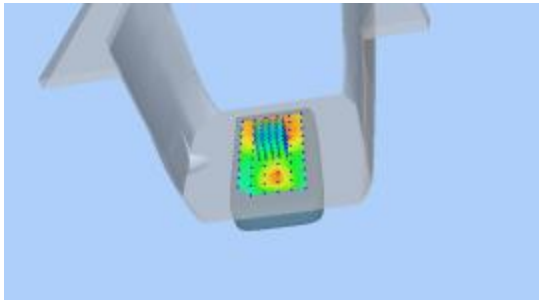
**SAR Peak: 0.08 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.021632 |
| <b>SAR 1g (W/Kg)</b>  | 0.043412 |

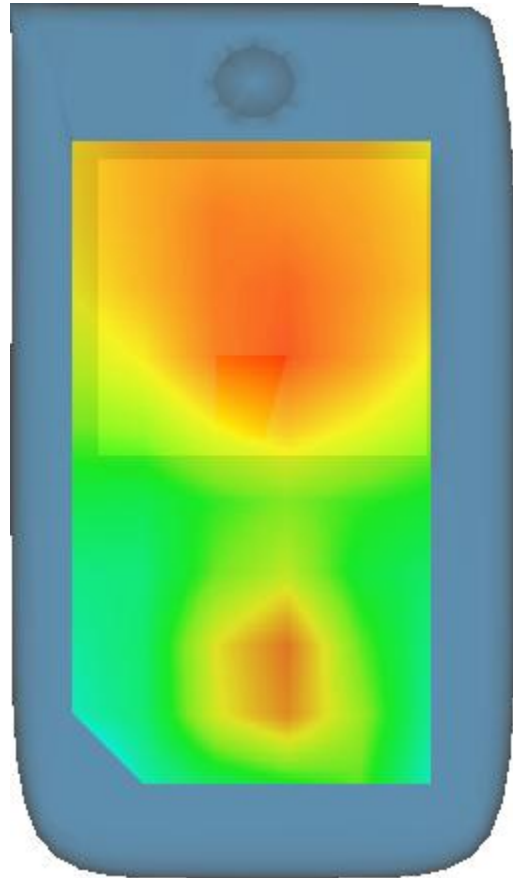
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 48

Towards\_ground\_middle\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

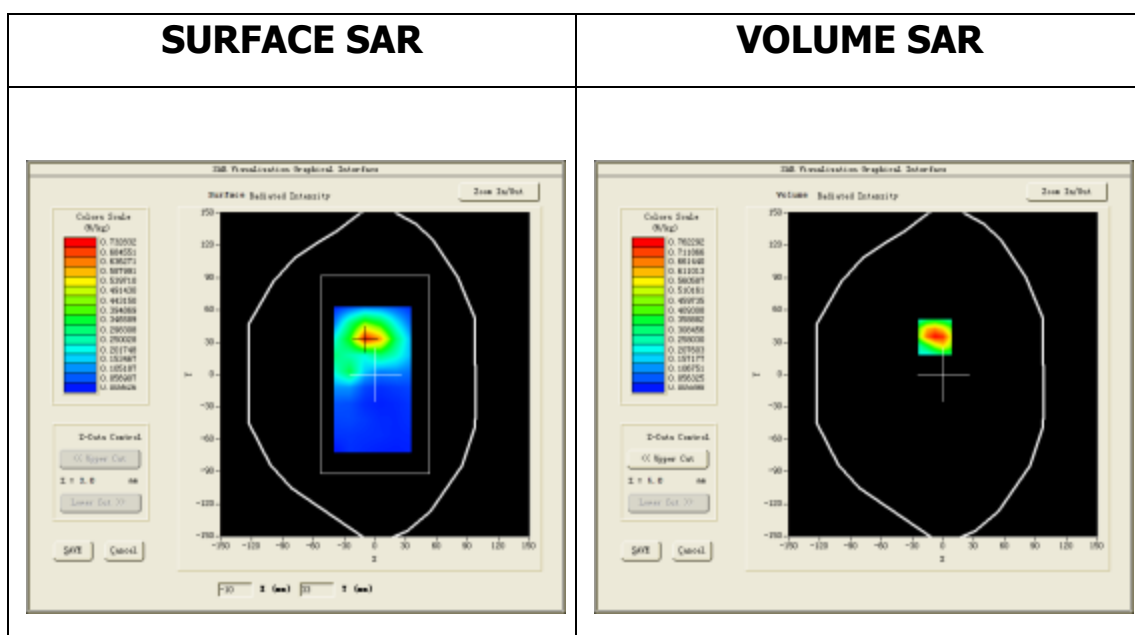
Measurement duration: 9 minutes 49 seconds

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

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>CUSTOM (GPRS1900 4Tx)</u>                         |
| <b><u>Channels</u></b>        | <u>Middle</u>                                        |
| <b><u>Signal</u></b>          | <u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>          |

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

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 52.059399   |
| <b>Relative permittivity (imaginary part)</b> | 14.586700   |
| <b>Conductivity (S/m)</b>                     | 1.523500    |
| <b>Variation (%)</b>                          | 2.230000    |
| <b>ConvF</b>                                  | 6.25        |

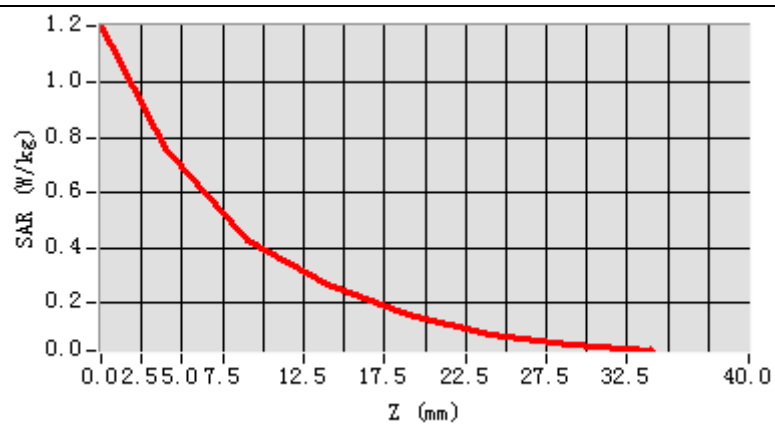


**Maximum location: X=-8.00, Y=35.00**

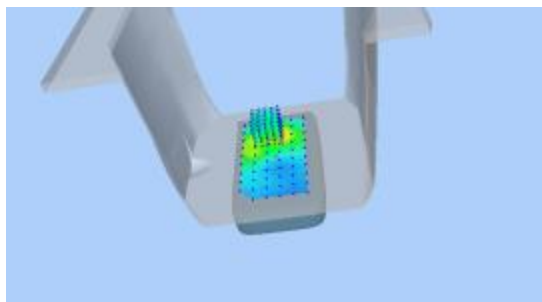
**SAR Peak: 1.20 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.385876 |
| <b>SAR 1g (W/Kg)</b>  | 0.732449 |

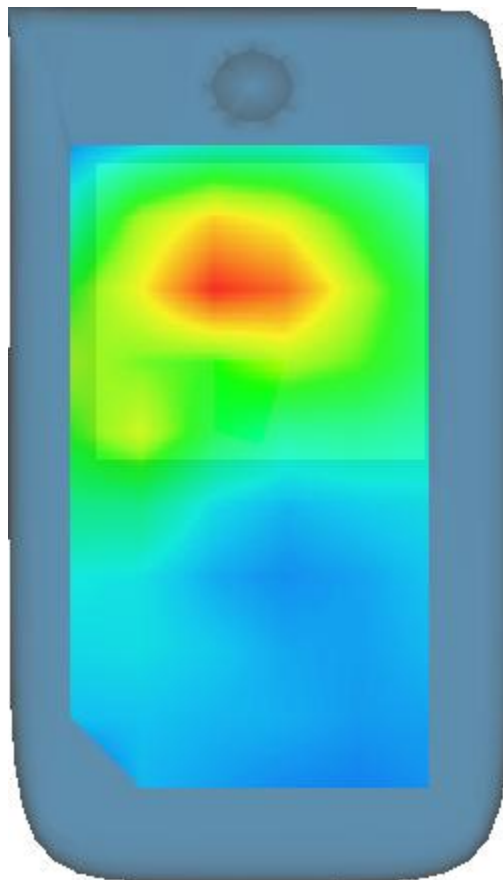
### Z axis scan



### 3D screen shot



### Hot spot position



## MEASUREMENT 49

Towards\_ground\_high\_0mm

Type: Phone measurement (Complete)

Date of measurement: 22/2/2014

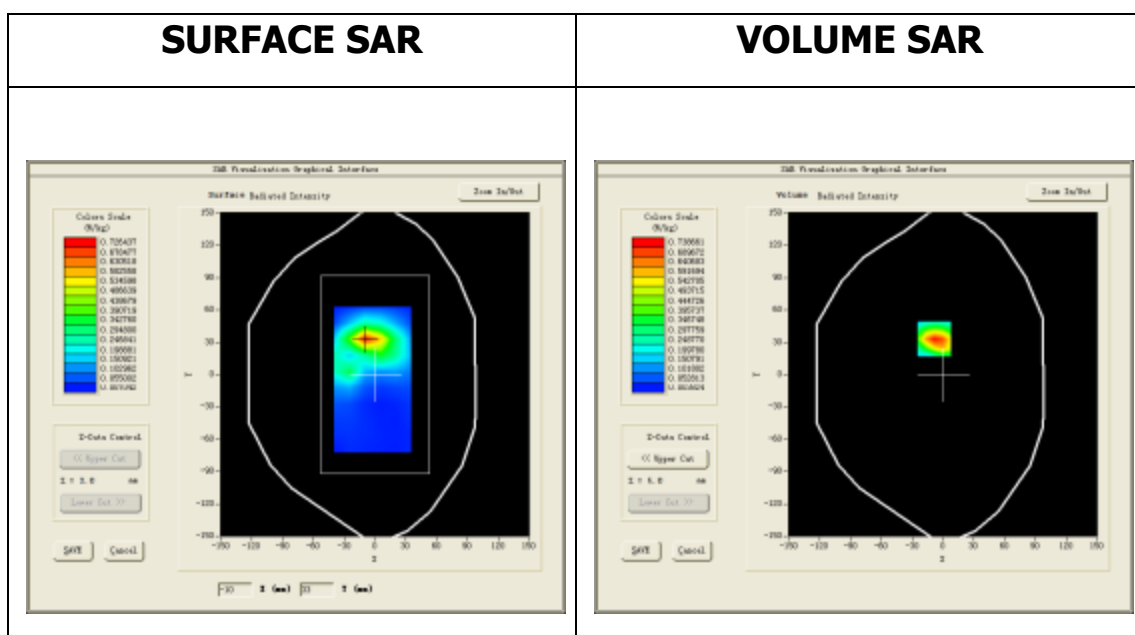
Measurement duration: 9 minutes 41 seconds

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

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b><u>Area Scan</u></b>       | <u>dx=15mm dy=15mm</u>                               |
| <b><u>ZoomScan</u></b>        | <u>5x5x7,dx=8mm dy=8mm</u><br><u>dz=5mm,Complete</u> |
| <b><u>Phantom</u></b>         | <u>Validation plane</u>                              |
| <b><u>Device Position</u></b> | <u>Body</u>                                          |
| <b><u>Band</u></b>            | <u>CUSTOM (GPRS1900 4Tx)</u>                         |
| <b><u>Channels</u></b>        | <u>High</u>                                          |
| <b><u>Signal</u></b>          | <u>Duty Cycle: 2.00 (Crest factor: 2.0)</u>          |

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

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1909.800049 |
| <b>Relative permittivity (real part)</b>      | 51.928082   |
| <b>Relative permittivity (imaginary part)</b> | 14.652940   |
| <b>Conductivity (S/m)</b>                     | 1.554677    |
| <b>Variation (%)</b>                          | 0.100000    |
| <b>ConvF</b>                                  | 6.25        |

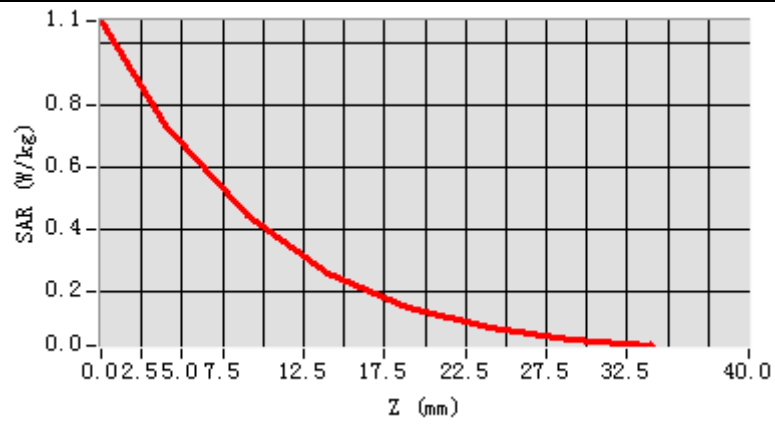


**Maximum location: X=-9.00, Y=33.00**

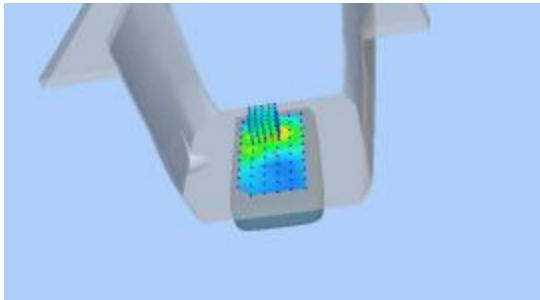
**SAR Peak: 1.10 W/kg**

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.365990 |
| <b>SAR 1g (W/Kg)</b>  | 0.696471 |

### Z axis scan



### 3D screen shot



### Hot spot position

