

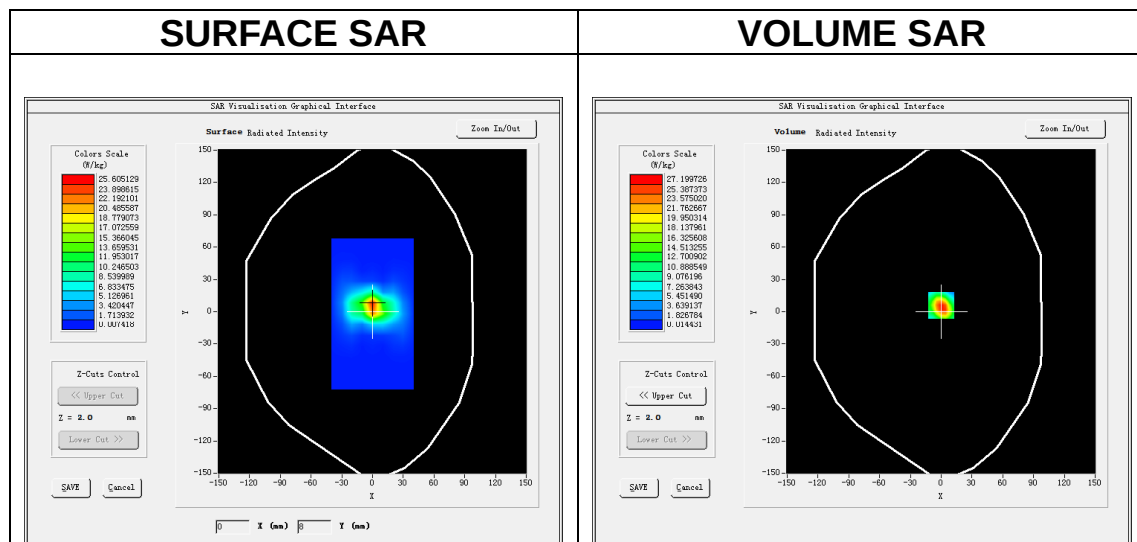
## MEASUREMENT 17

### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <b>Area Scan</b>       | <u>dx=10mm dy=10mm, h= 2.00 mm</u> |
| <b>ZoomScan</b>        | <u>7x7x12,dx=4mm dy=4mm dz=2mm</u> |
| <b>Phantom</b>         | <u>Validation plane</u>            |
| <b>Device Position</b> | <u>Dipole</u>                      |
| <b>Band</b>            | <u>CW5600</u>                      |
| <b>Channels</b>        | <u>Middle</u>                      |
| <b>Signal</b>          | <u>CW (Crest factor: 1.0)</u>      |

### B. SAR Measurement Results

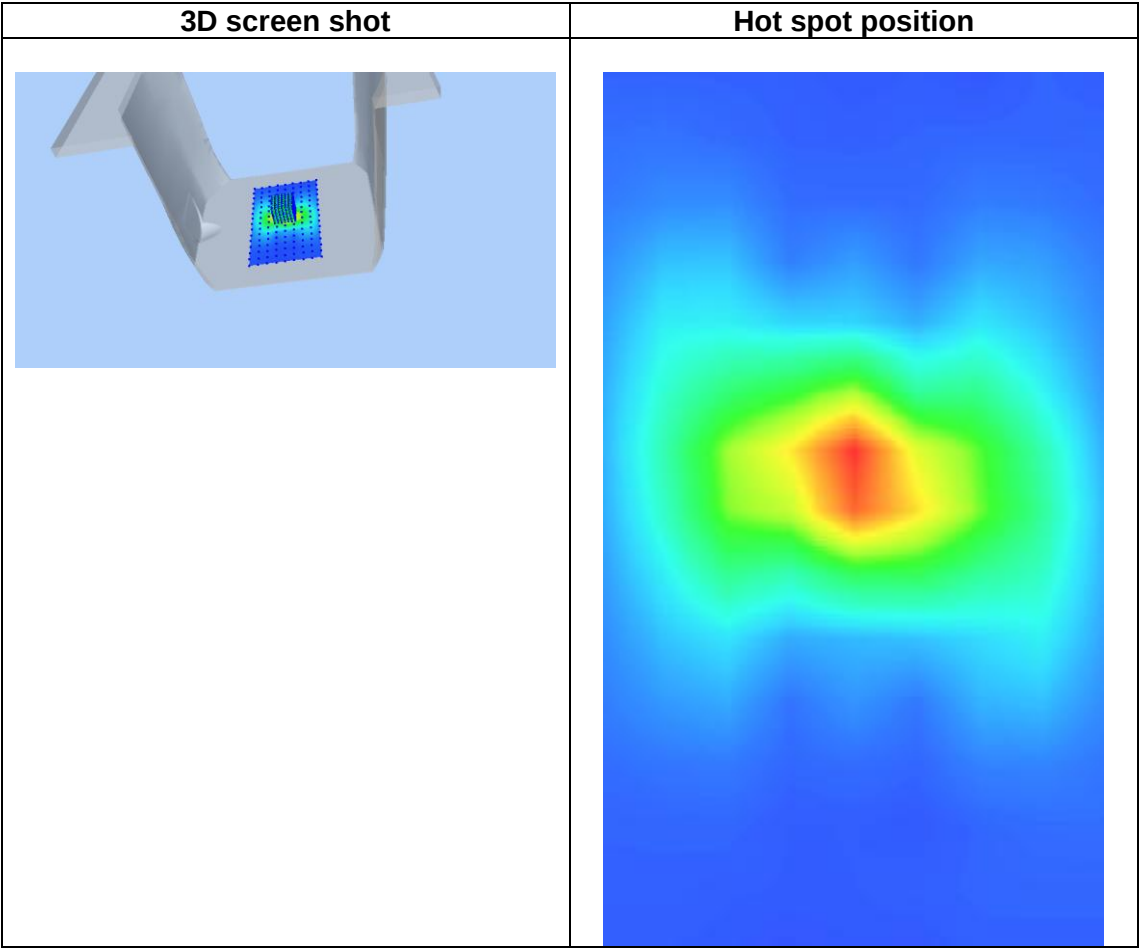
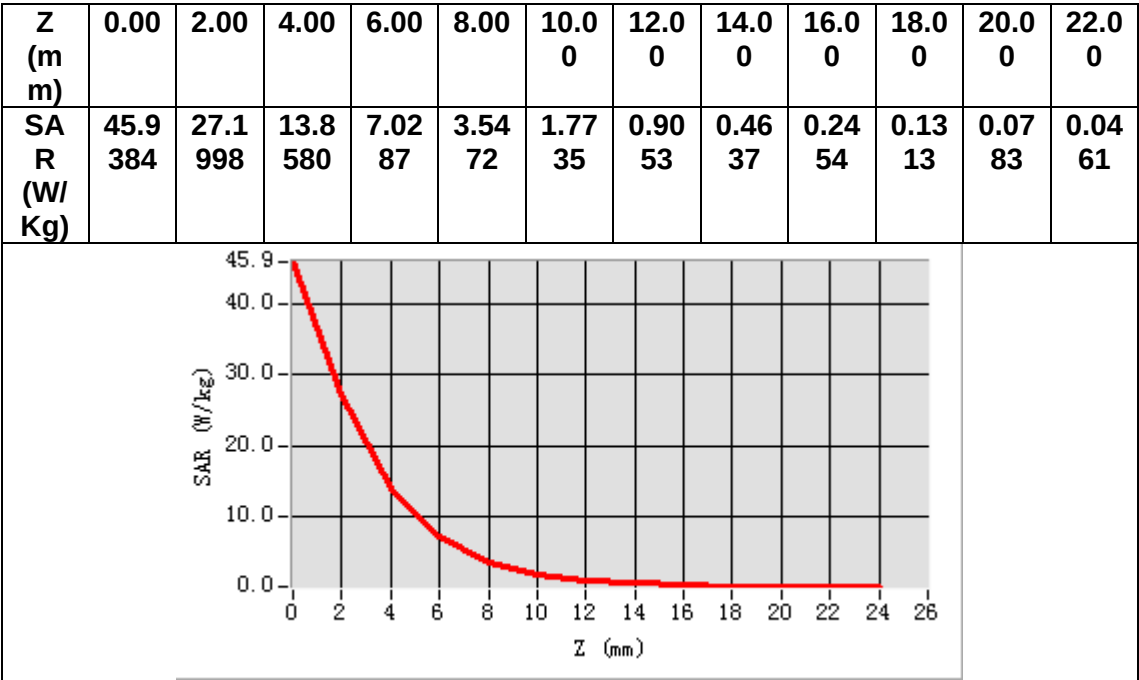
|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 5600.000000 |
| <b>Relative permittivity (real part)</b>      | 35.681981   |
| <b>Relative permittivity (imaginary part)</b> | 16.279619   |
| <b>Conductivity (S/m)</b>                     | 5.064271    |
| <b>Variation (%)</b>                          | -0.390000   |



Maximum location: X=0.00, Y=6.00

SAR Peak: 48.80 W/kg

|                       |           |
|-----------------------|-----------|
| <b>SAR 10g (W/Kg)</b> | 5.944386  |
| <b>SAR 1g (W/Kg)</b>  | 16.910446 |



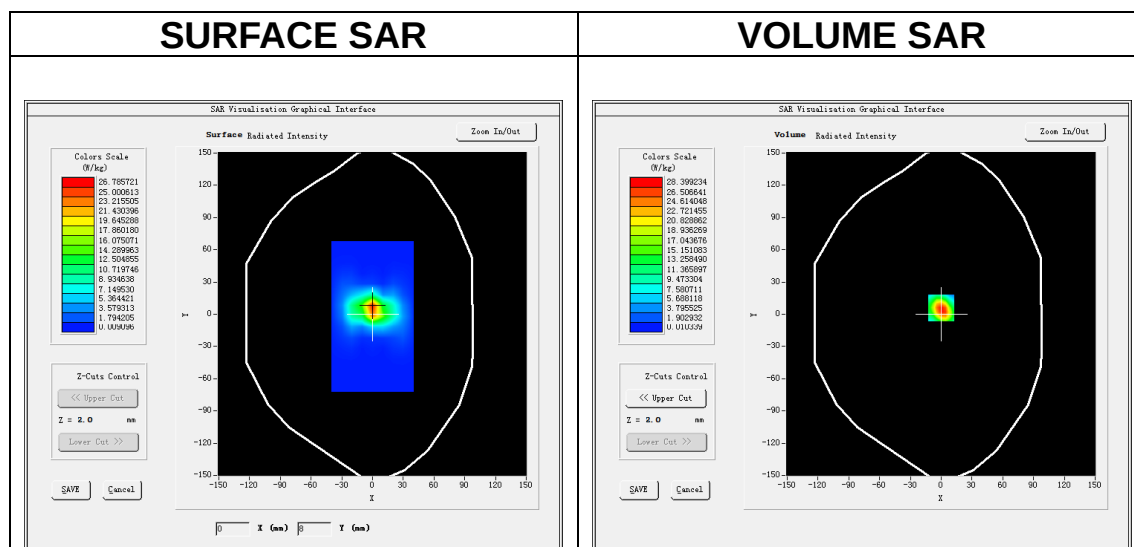
## MEASUREMENT 18

### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=10mm dy=10mm, h= 2.00 mm</u> |
| <u>ZoomScan</u>        | <u>7x7x12,dx=4mm dy=4mm dz=2mm</u> |
| <u>Phantom</u>         | <u>Validation plane</u>            |
| <u>Device Position</u> | <u>Dipole</u>                      |
| <u>Band</u>            | <u>CW5600</u>                      |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>CW (Crest factor: 1.0)</u>      |

### B. SAR Measurement Results

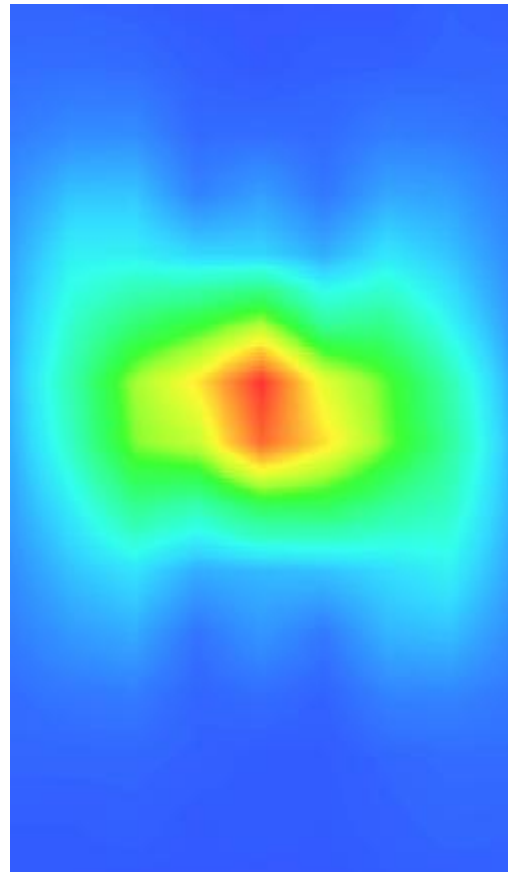
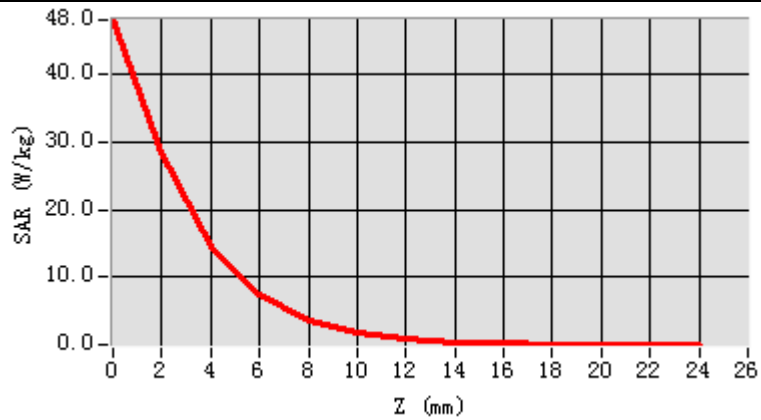
|                                        |             |
|----------------------------------------|-------------|
| Frequency (MHz)                        | 5600.000000 |
| Relative permittivity (real part)      | 49.909537   |
| Relative permittivity (imaginary part) | 18.225509   |
| Conductivity (S/m)                     | 5.674270    |
| Variation (%)                          | -0.040000   |



Maximum location: X=0.00, Y=6.00

SAR Peak: 50.97 W/kg

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 5.782329  |
| SAR 1g (W/Kg)  | 16.656125 |



## MEASUREMENT 19

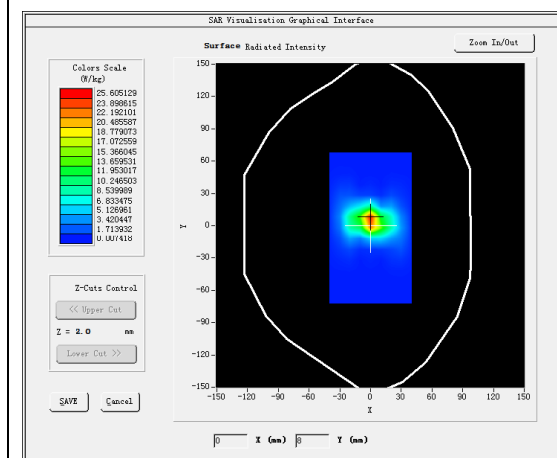
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=10mm dy=10mm, h= 2.00 mm</u> |
| <u>ZoomScan</u>        | <u>7x7x12,dx=4mm dy=4mm dz=2mm</u> |
| <u>Phantom</u>         | <u>Validation plane</u>            |
| <u>Device Position</u> | <u>Dipole</u>                      |
| <u>Band</u>            | <u>CW5800</u>                      |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>CW (Crest factor: 1.0)</u>      |

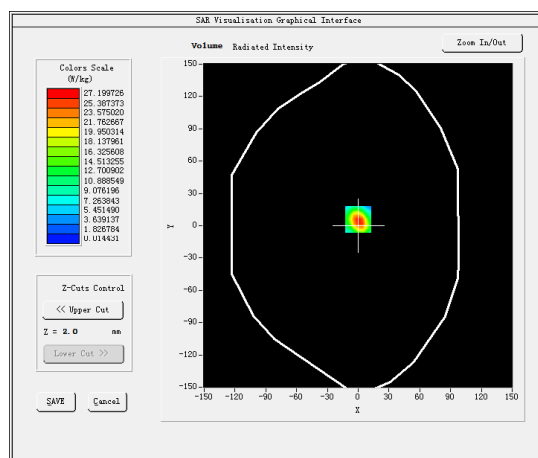
### B. SAR Measurement Results

|                                        |             |
|----------------------------------------|-------------|
| Frequency (MHz)                        | 5800.000000 |
| Relative permittivity (real part)      | 34.788837   |
| Relative permittivity (imaginary part) | 15.999709   |
| Conductivity (S/m)                     | 5.164271    |
| Variation (%)                          | -0.390000   |

#### SURFACE SAR



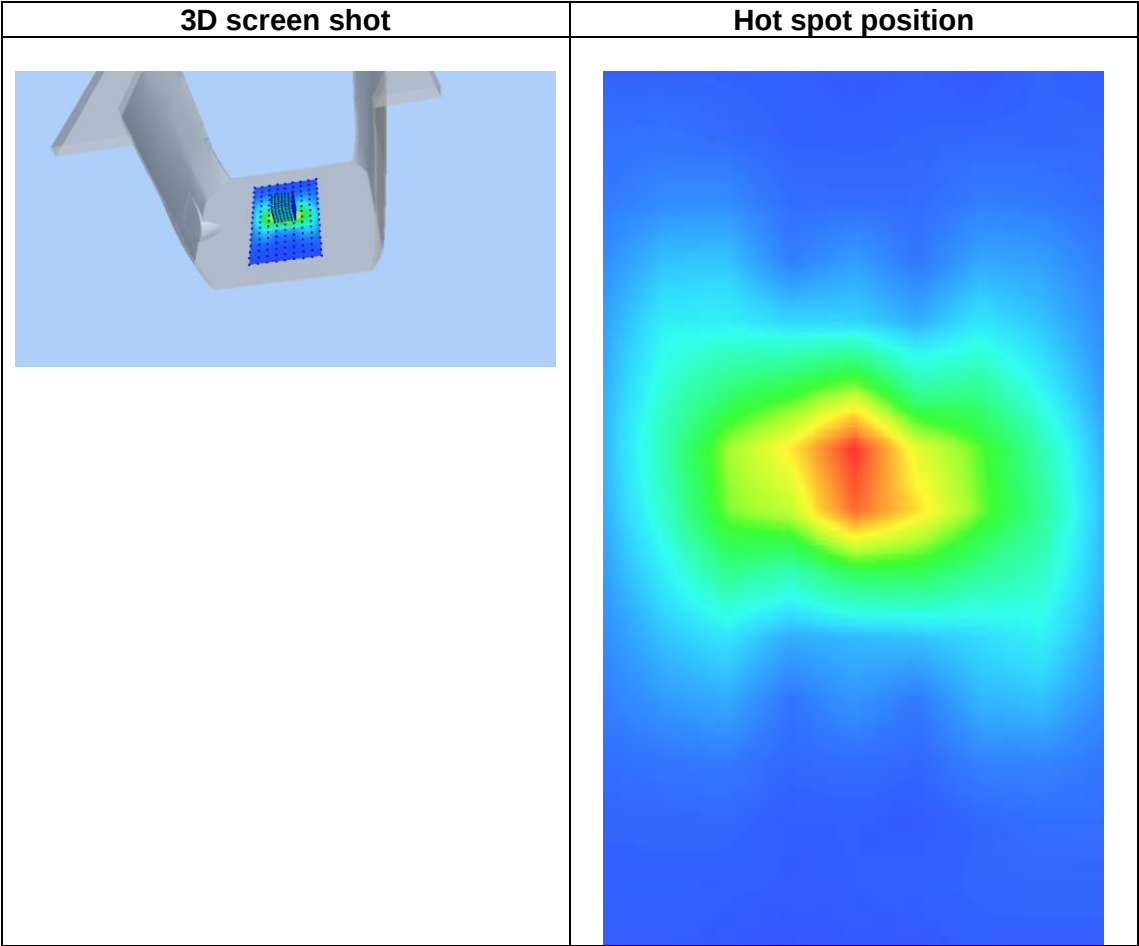
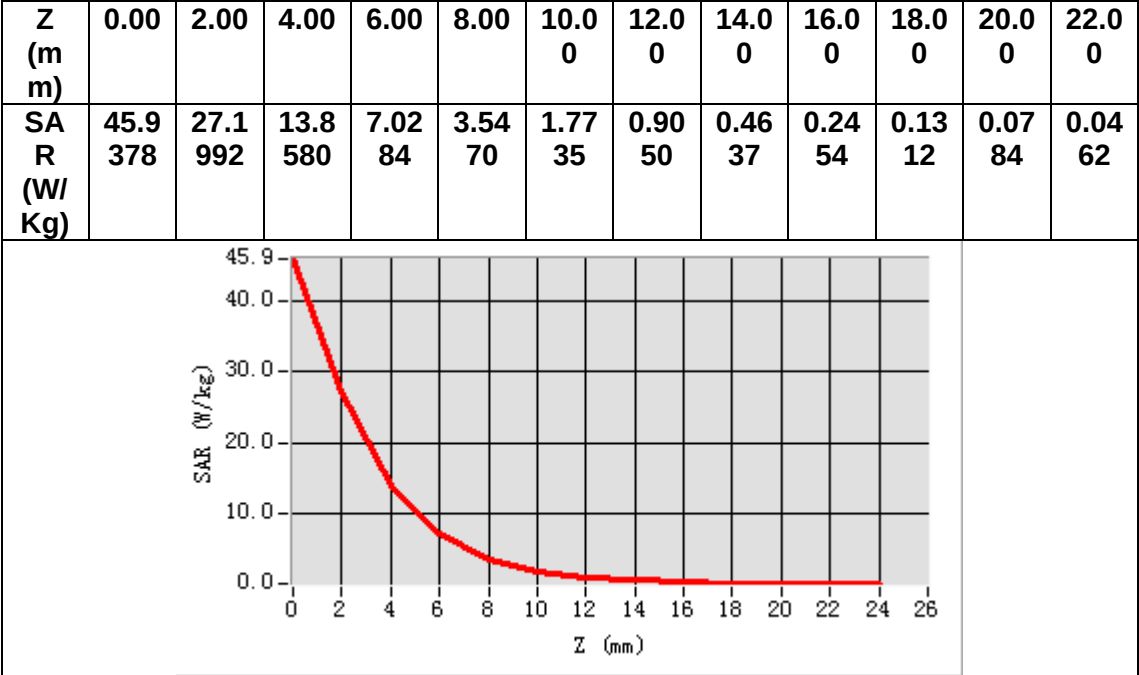
#### VOLUME SAR



Maximum location: X=0.00, Y=6.00

SAR Peak: 48.80 W/kg

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 5.944387  |
| SAR 1g (W/Kg)  | 17.921446 |



## MEASUREMENT 20

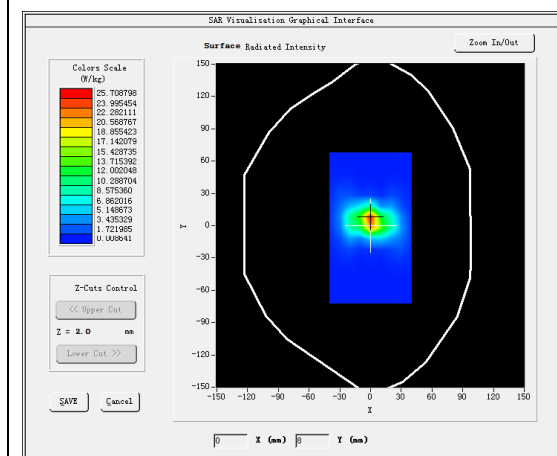
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=10mm dy=10mm, h= 2.00 mm</u> |
| <u>ZoomScan</u>        | <u>7x7x12,dx=4mm dy=4mm dz=2mm</u> |
| <u>Phantom</u>         | <u>Validation plane</u>            |
| <u>Device Position</u> | <u>Dipole</u>                      |
| <u>Band</u>            | <u>CW5800</u>                      |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>CW (Crest factor: 1.0)</u>      |

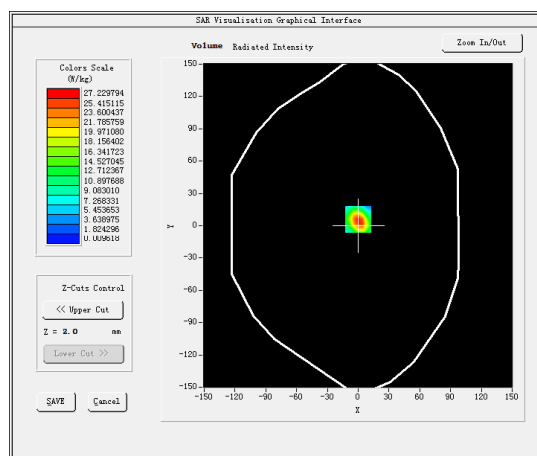
### B. SAR Measurement Results

|                                        |             |
|----------------------------------------|-------------|
| Frequency (MHz)                        | 5800.000000 |
| Relative permittivity (real part)      | 48.592751   |
| Relative permittivity (imaginary part) | 18.721209   |
| Conductivity (S/m)                     | 6.034251    |
| Variation (%)                          | -0.590000   |

#### SURFACE SAR



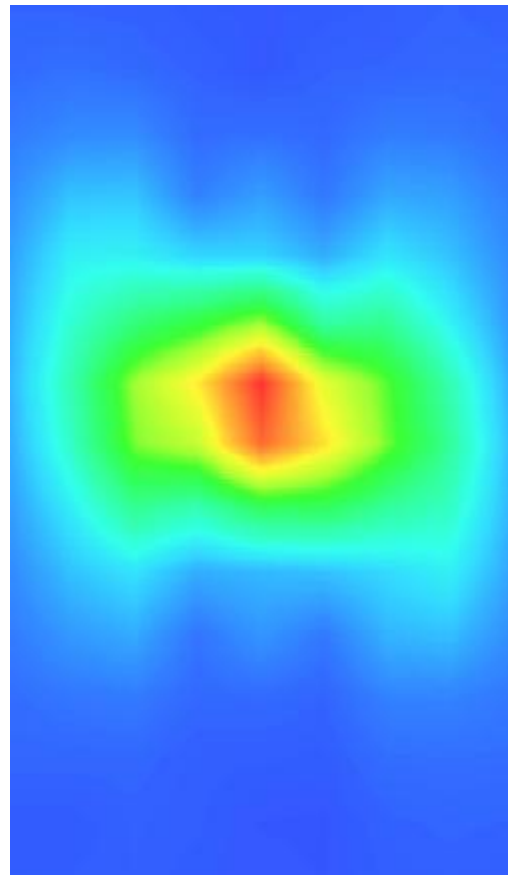
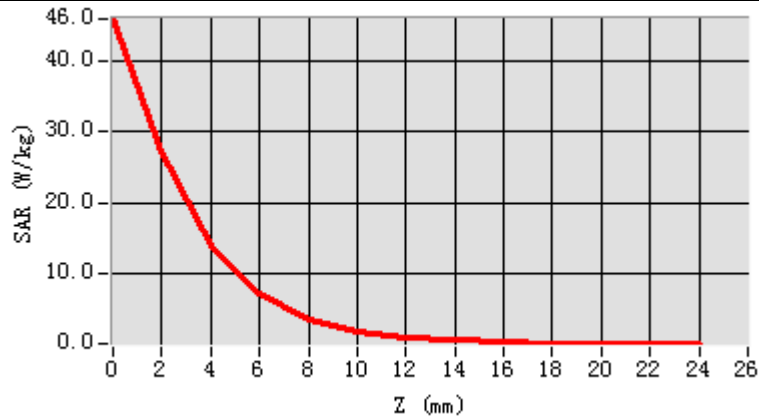
#### VOLUME SAR



Maximum location: X=0.00, Y=6.00

SAR Peak: 48.83 W/kg

|                |           |
|----------------|-----------|
| SAR 10g (W/Kg) | 5.517260  |
| SAR 1g (W/Kg)  | 15.913721 |



### 13. Appendix C. Plots of High SAR Measurement

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| MEASUREMENT 4 WCDMA Band V Body      |
| MEASUREMENT 5 WLAN 2.4G Head         |
| MEASUREMENT 6 WLAN 2.4G Body         |
| MEASUREMENT 7 LTE Band IV Head       |
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## MEASUREMENT 1

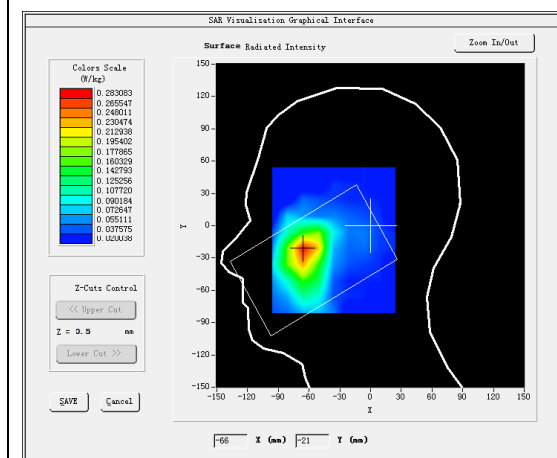
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <b>Area Scan</b>       | <u>dx=15mm dy=15mm, h= 5.00 mm</u> |
| <b>ZoomScan</b>        | <u>5x5x7,dx=8mm dy=8mm dz=5mm</u>  |
| <b>Phantom</b>         | <u>Left head</u>                   |
| <b>Device Position</b> | <u>Cheek</u>                       |
| <b>Band</b>            | <u>Band4 WCDMA1700</u>             |
| <b>Channels</b>        | <u>Middle</u>                      |
| <b>Signal</b>          | <u>WCDMA (Crest factor: 1.0)</u>   |

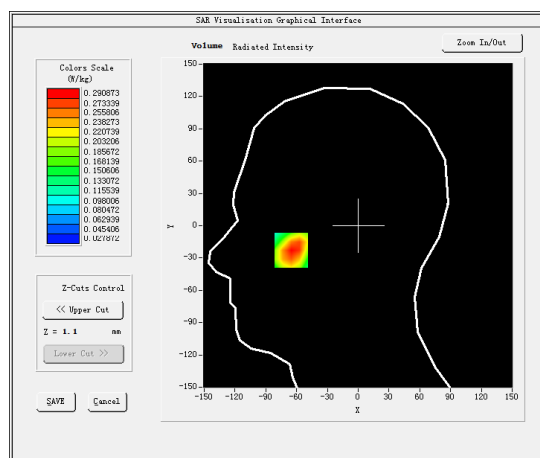
### B. SAR Measurement Results

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1732.600000 |
| <b>Relative permittivity (real part)</b>      | 40.039291   |
| <b>Relative permittivity (imaginary part)</b> | 13.974592   |
| <b>Conductivity (S/m)</b>                     | 1.345054    |
| <b>Variation (%)</b>                          | 0.960000    |

#### SURFACE SAR



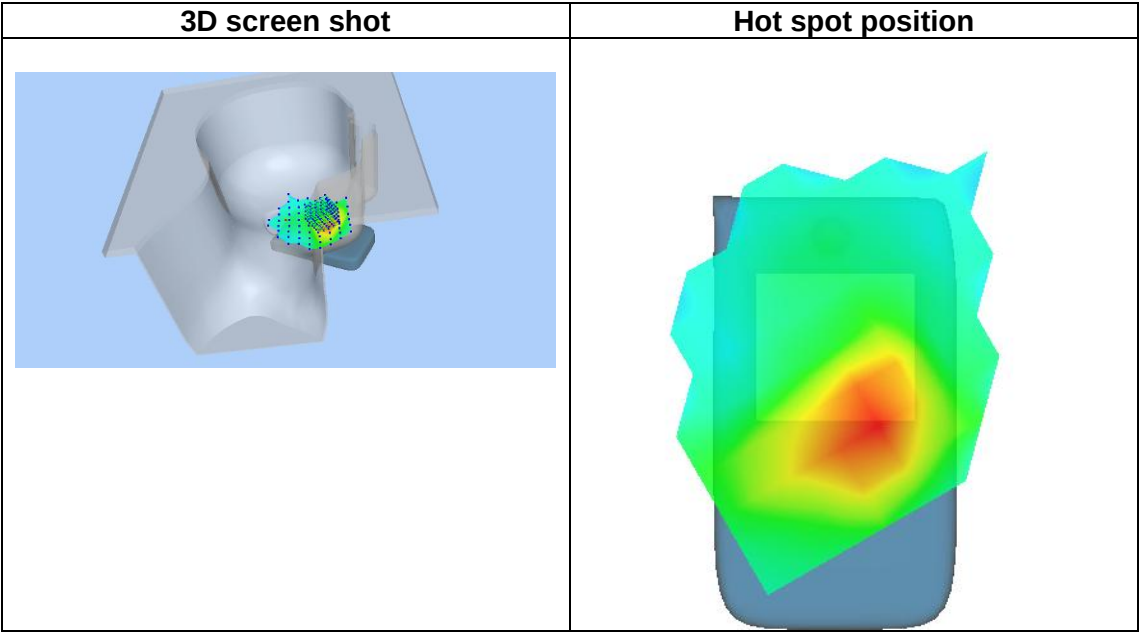
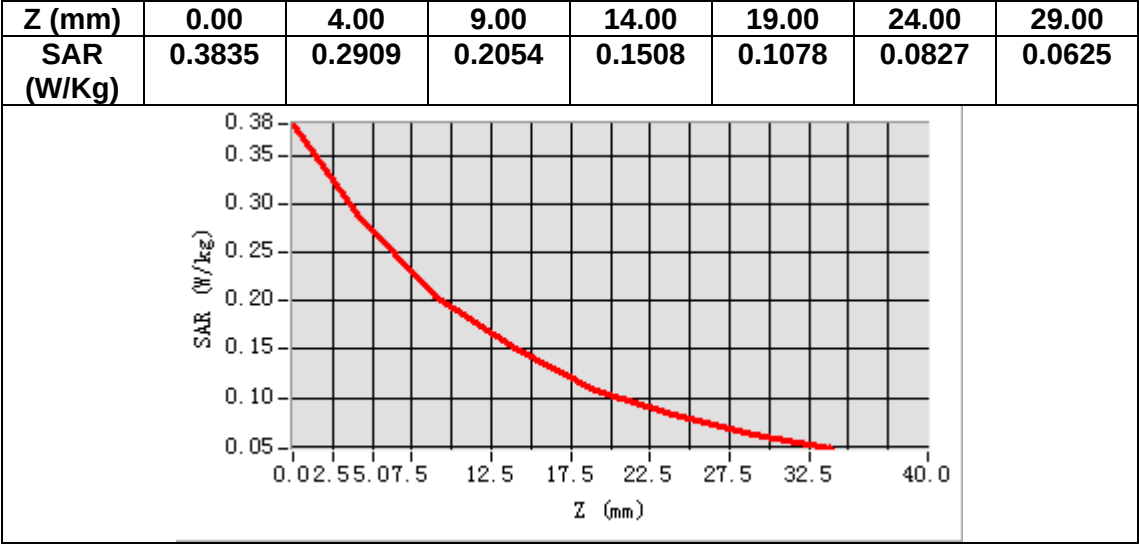
#### VOLUME SAR



Maximum location: X=-65.00, Y=-23.00

SAR Peak: 0.40 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.179180 |
| <b>SAR 1g (W/Kg)</b>  | 0.279169 |



## MEASUREMENT 2

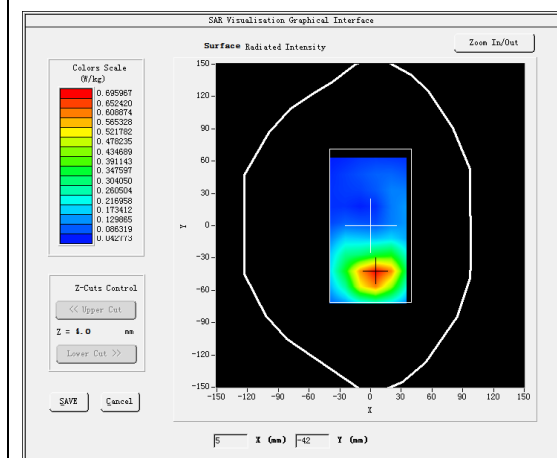
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <b>Area Scan</b>       | <u>dx=15mm dy=15mm, h= 5.00 mm</u> |
| <b>ZoomScan</b>        | <u>5x5x7,dx=8mm dy=8mm dz=5mm</u>  |
| <b>Phantom</b>         | <u>Validation plane</u>            |
| <b>Device Position</b> | <u>Body</u>                        |
| <b>Band</b>            | <u>Band4 WCDMA1700</u>             |
| <b>Channels</b>        | <u>Middle</u>                      |
| <b>Signal</b>          | <u>WCDMA (Crest factor: 1.0)</u>   |

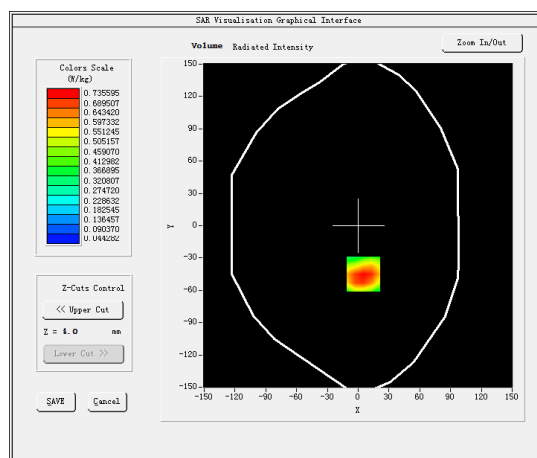
### B. SAR Measurement Results

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1732.600000 |
| <b>Relative permittivity (real part)</b>      | 54.069366   |
| <b>Relative permittivity (imaginary part)</b> | 15.358220   |
| <b>Conductivity (S/m)</b>                     | 1.478229    |
| <b>Variation (%)</b>                          | -1.000000   |

#### SURFACE SAR



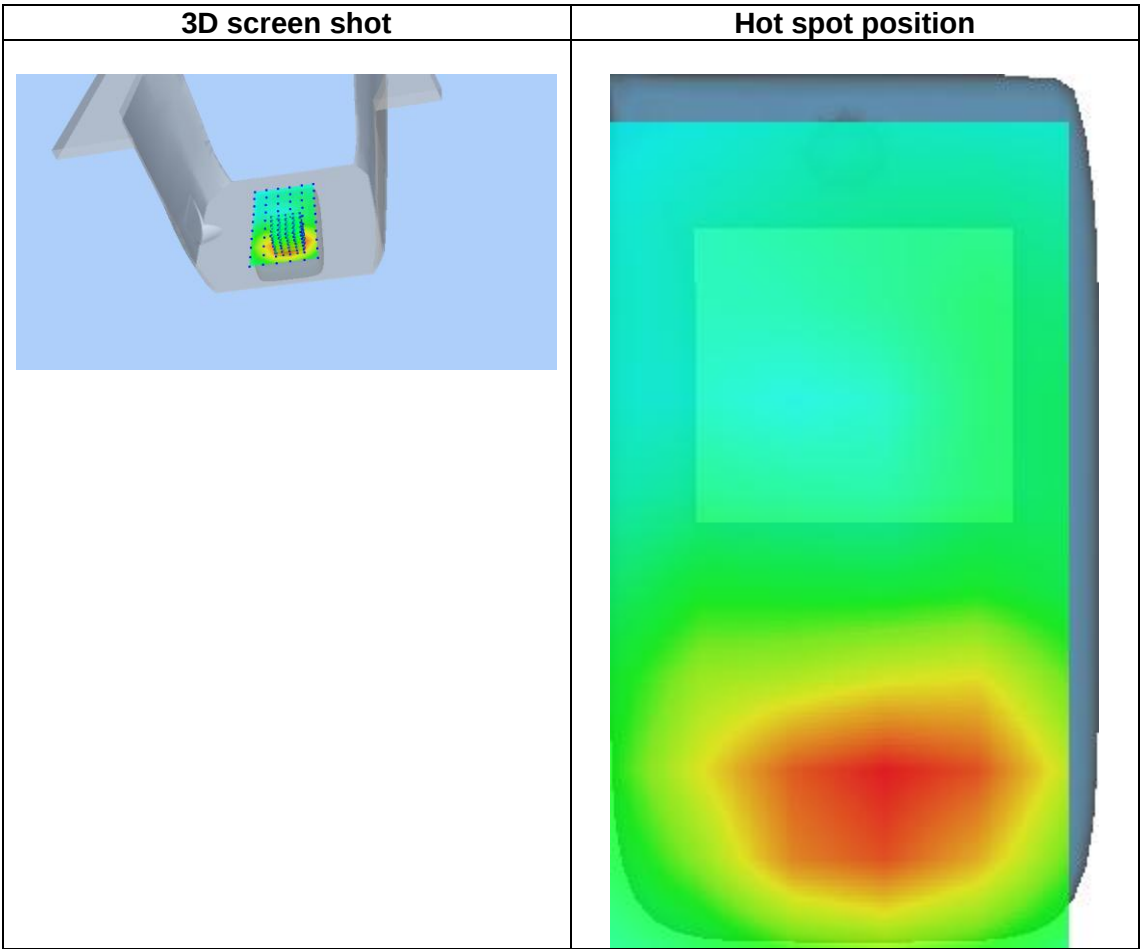
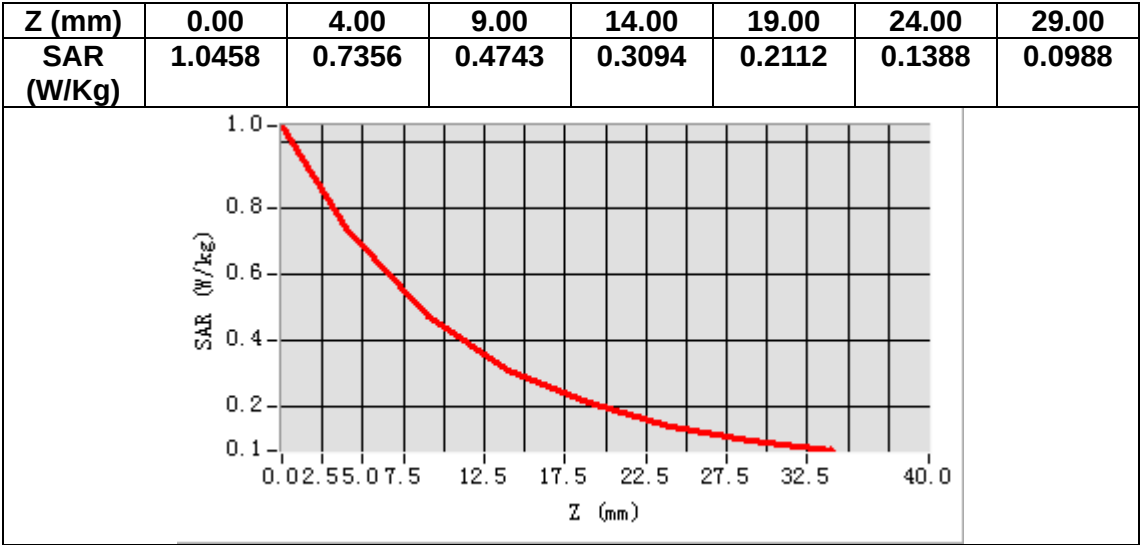
#### VOLUME SAR



Maximum location: X=5.00, Y=-45.00

SAR Peak: 1.07 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.432031 |
| <b>SAR 1g (W/Kg)</b>  | 0.714114 |



## MEASUREMENT 3

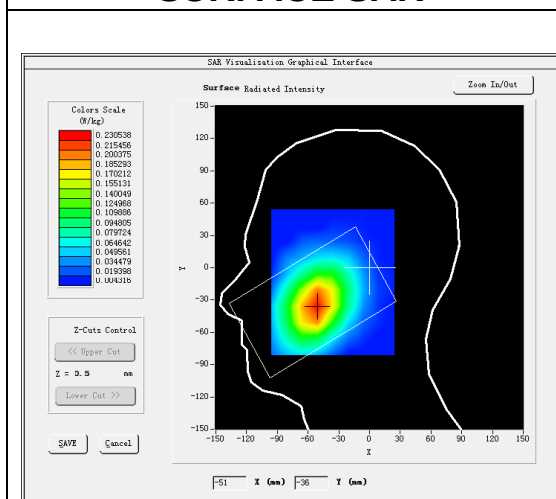
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=15mm dy=15mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>5x5x7,dx=8mm dy=8mm dz=5mm</u>  |
| <u>Phantom</u>         | <u>Left head</u>                   |
| <u>Device Position</u> | <u>Cheek</u>                       |
| <u>Band</u>            | <u>Band5 WCDMA850</u>              |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>WCDMA (Crest factor: 1.0)</u>   |

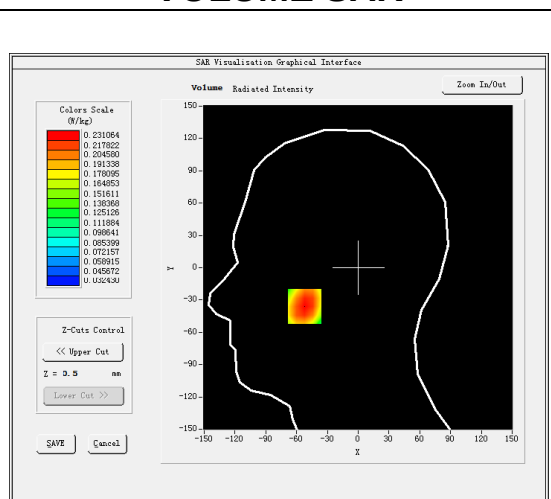
### B. SAR Measurement Results

|                                        |            |
|----------------------------------------|------------|
| Frequency (MHz)                        | 836.400000 |
| Relative permittivity (real part)      | 41.594166  |
| Relative permittivity (imaginary part) | 19.687820  |
| Conductivity (S/m)                     | 0.914827   |
| Variation (%)                          | 0.830000   |

#### SURFACE SAR



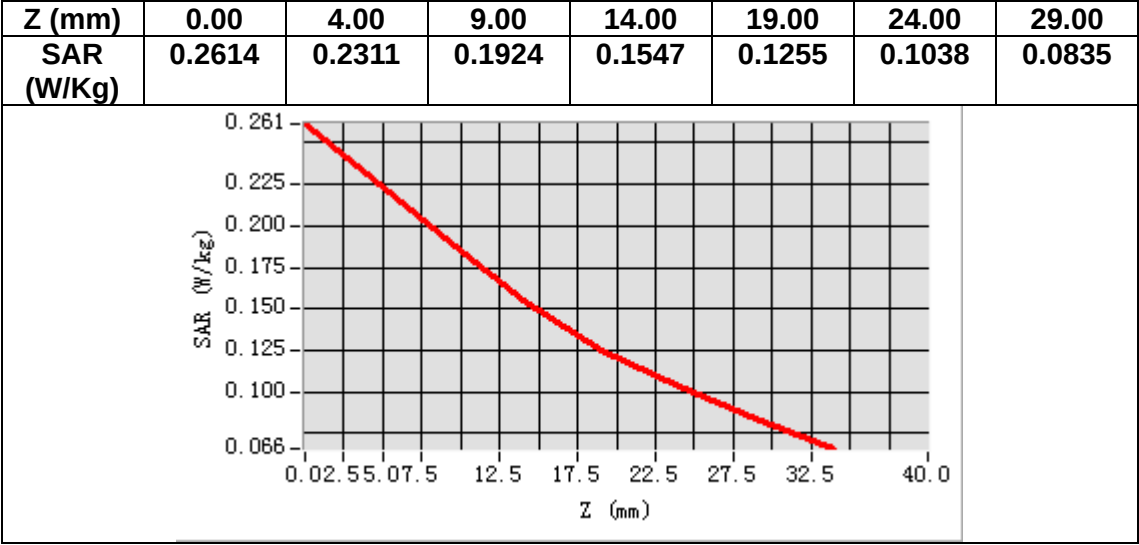
#### VOLUME SAR



Maximum location: X=-52.00, Y=-36.00

SAR Peak: 0.27 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.171076 |
| SAR 1g (W/Kg)  | 0.224378 |



## MEASUREMENT 4

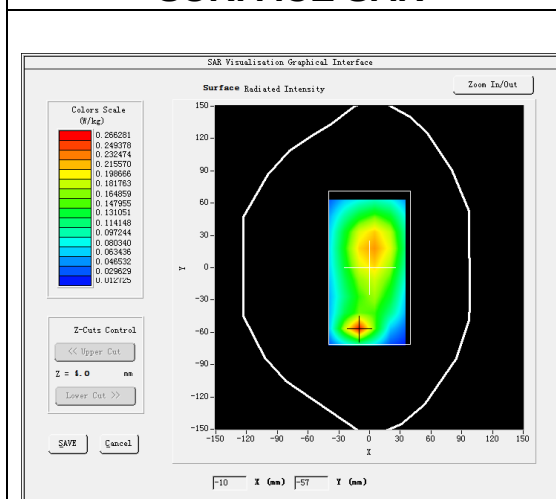
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=15mm dy=15mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>5x5x7, dx=8mm dy=8mm dz=5mm</u> |
| <u>Phantom</u>         | <u>Validation plane</u>            |
| <u>Device Position</u> | <u>Body</u>                        |
| <u>Band</u>            | <u>Band5 WCDMA850</u>              |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>WCDMA (Crest factor: 1.0)</u>   |

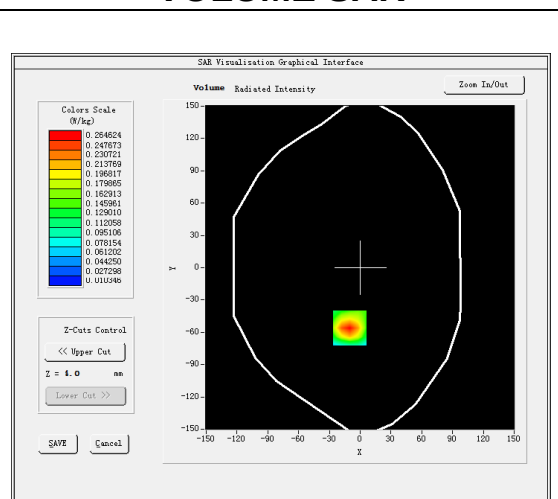
### B. SAR Measurement Results

|                                               |            |
|-----------------------------------------------|------------|
| <b>Frequency (MHz)</b>                        | 836.400000 |
| <b>Relative permittivity (real part)</b>      | 54.811581  |
| <b>Relative permittivity (imaginary part)</b> | 21.004740  |
| <b>Conductivity (S/m)</b>                     | 0.976020   |
| <b>Variation (%)</b>                          | 2.860000   |

#### SURFACE SAR



#### VOLUME SAR

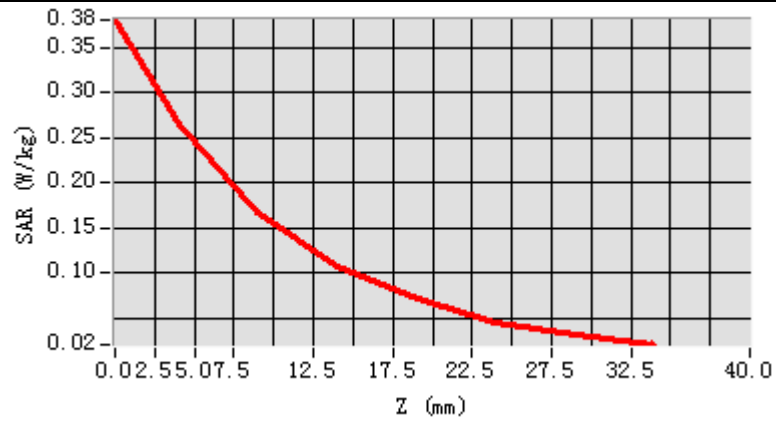


Maximum location: X=-10.00, Y=-56.00

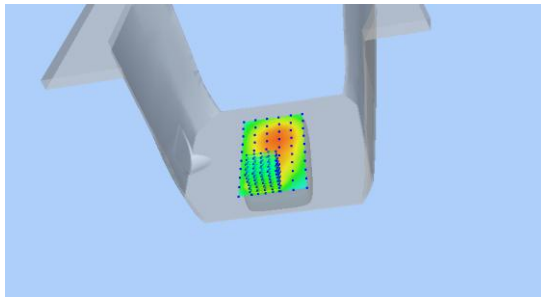
SAR Peak: 0.38 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.140632 |
| <b>SAR 1g (W/Kg)</b>  | 0.247913 |

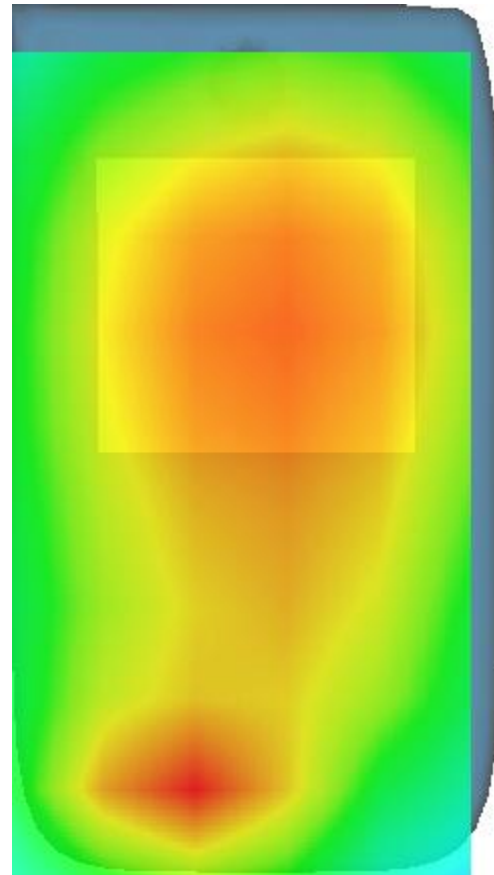
|                       |               |               |               |               |               |               |               |
|-----------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>Z (mm)</b>         | <b>0.00</b>   | <b>4.00</b>   | <b>9.00</b>   | <b>14.00</b>  | <b>19.00</b>  | <b>24.00</b>  | <b>29.00</b>  |
| <b>SAR<br/>(W/Kg)</b> | <b>0.3809</b> | <b>0.2646</b> | <b>0.1671</b> | <b>0.1070</b> | <b>0.0719</b> | <b>0.0454</b> | <b>0.0324</b> |



### 3D screen shot



### Hot spot position



## MEASUREMENT 5

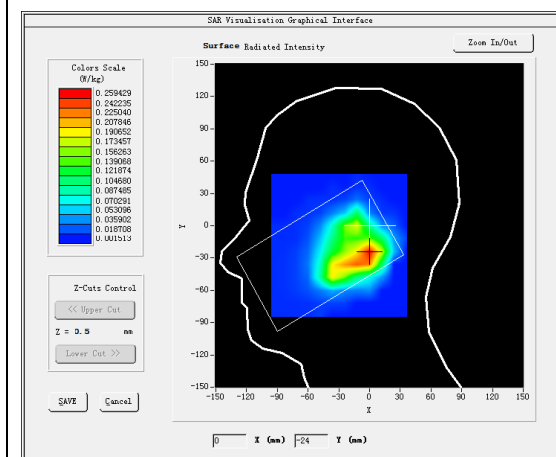
### A. Experimental conditions.

|                        |                                        |
|------------------------|----------------------------------------|
| <u>Area Scan</u>       | <u>dx=12mm dy=12mm, h= 5.00 mm</u>     |
| <u>ZoomScan</u>        | <u>7x7x7,dx=5mm dy=5mm dz=5mm</u>      |
| <u>Phantom</u>         | <u>Left head</u>                       |
| <u>Device Position</u> | <u>Cheek</u>                           |
| <u>Band</u>            | <u>IEEE 802.11b ISM</u>                |
| <u>Channels</u>        | <u>Middle</u>                          |
| <u>Signal</u>          | <u>IEEE802.11b (Crest factor: 1.0)</u> |

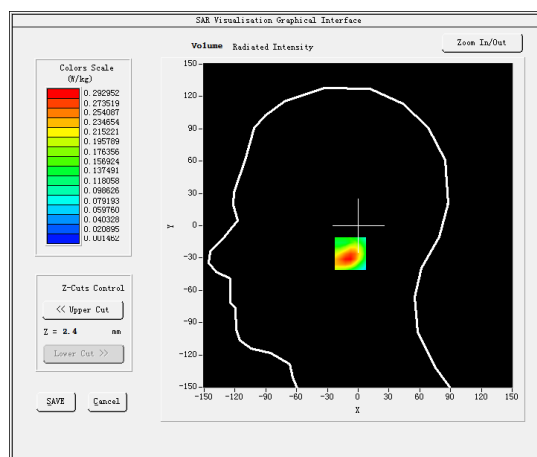
### B. SAR Measurement Results

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 2437.000000 |
| <b>Relative permittivity (real part)</b>      | 39.730099   |
| <b>Relative permittivity (imaginary part)</b> | 13.439400   |
| <b>Conductivity (S/m)</b>                     | 1.819545    |
| <b>Variation (%)</b>                          | -0.190002   |

#### SURFACE SAR



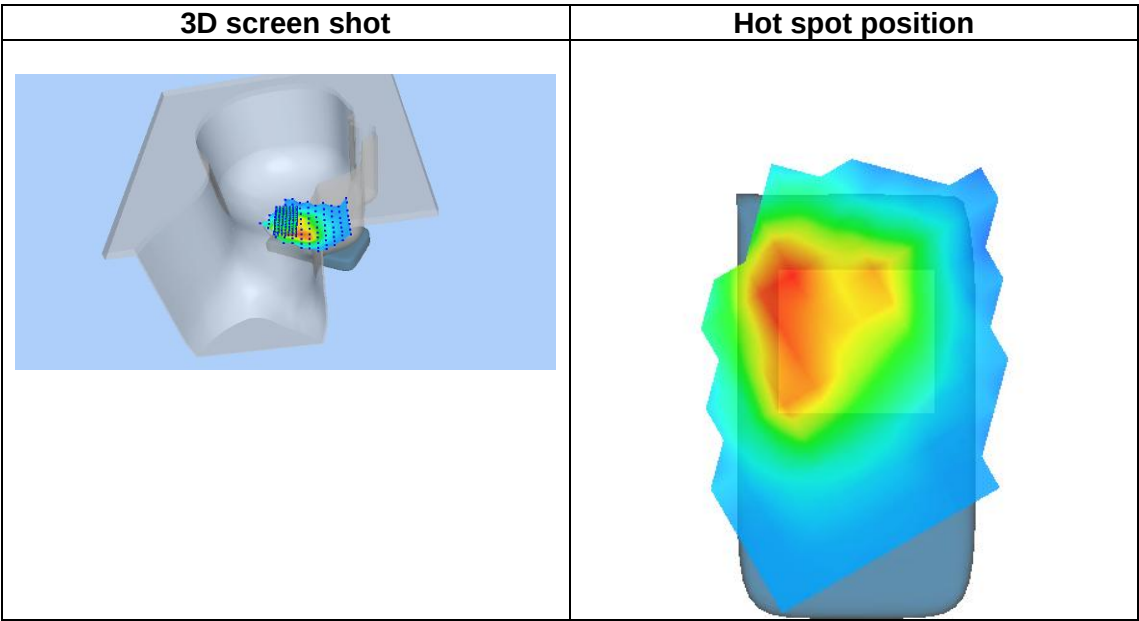
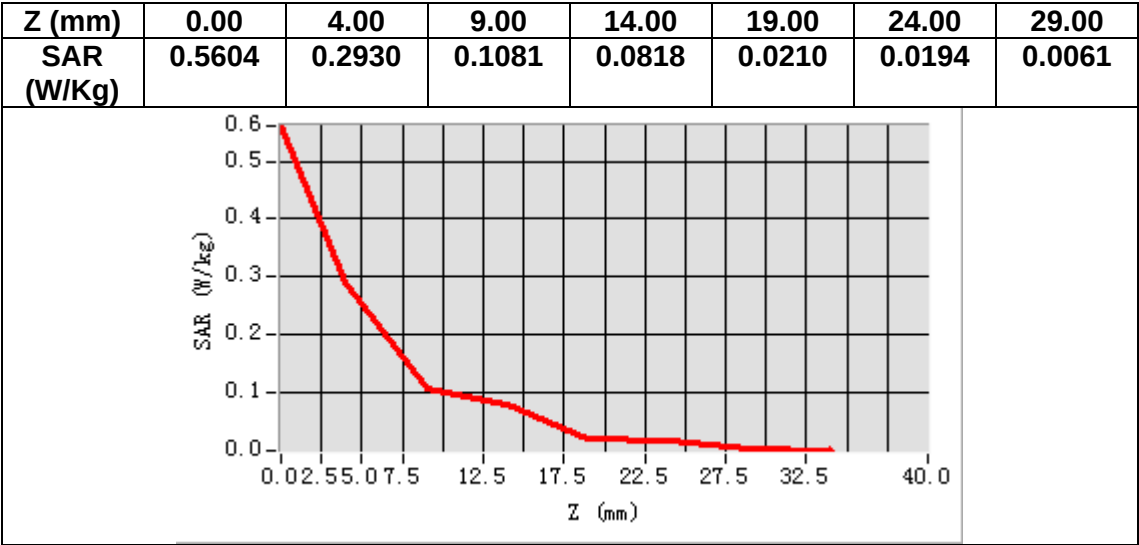
#### VOLUME SAR



Maximum location: X=-1.00, Y=-26.00

SAR Peak: 0.48 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.135780 |
| <b>SAR 1g (W/Kg)</b>  | 0.274514 |



## MEASUREMENT 6

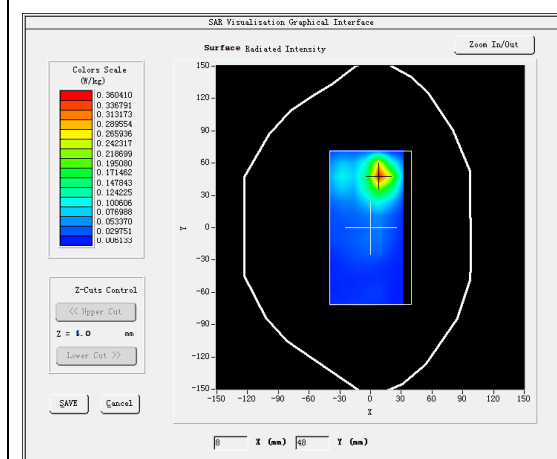
### A. Experimental conditions.

|                        |                                        |
|------------------------|----------------------------------------|
| <u>Area Scan</u>       | <u>dx=12mm dy=12mm, h= 5.00 mm</u>     |
| <u>ZoomScan</u>        | <u>7x7x7,dx=5mm dy=5mm dz=5mm</u>      |
| <u>Phantom</u>         | <u>Validation plane</u>                |
| <u>Device Position</u> | <u>Body</u>                            |
| <u>Band</u>            | <u>IEEE 802.11b ISM</u>                |
| <u>Channels</u>        | <u>Middle</u>                          |
| <u>Signal</u>          | <u>IEEE802.11b (Crest factor: 1.0)</u> |

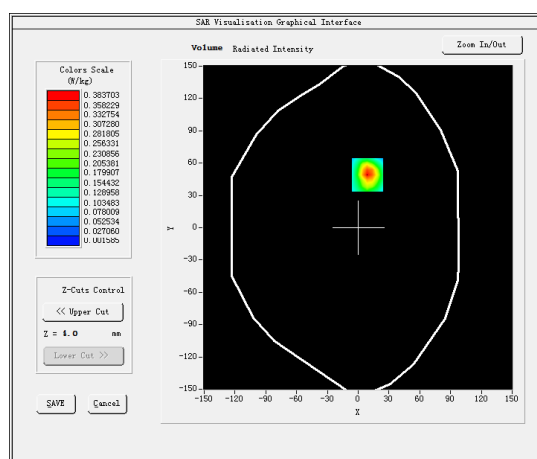
### B. SAR Measurement Results

|                                        |             |
|----------------------------------------|-------------|
| Frequency (MHz)                        | 2437.000000 |
| Relative permittivity (real part)      | 52.160599   |
| Relative permittivity (imaginary part) | 14.365620   |
| Conductivity (S/m)                     | 1.944945    |
| Variation (%)                          | 0.890000    |

#### SURFACE SAR



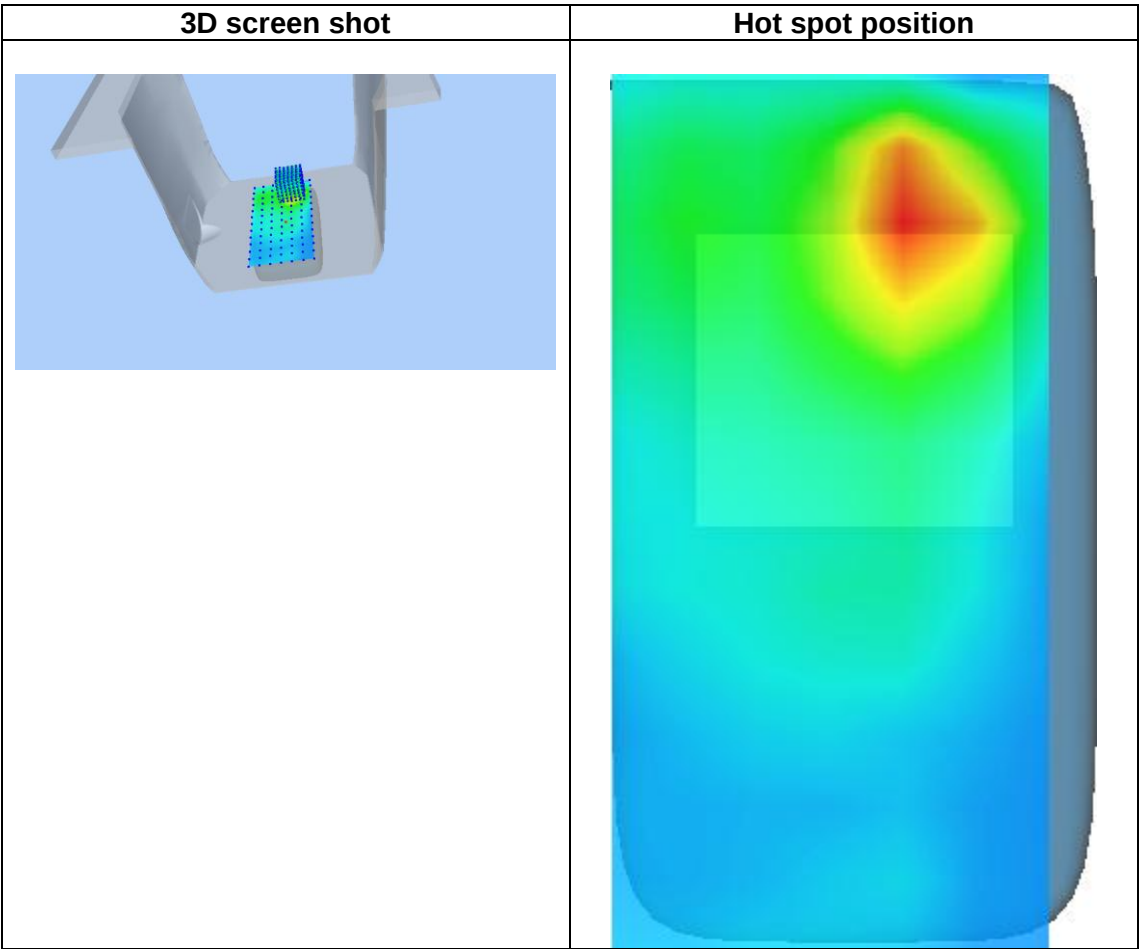
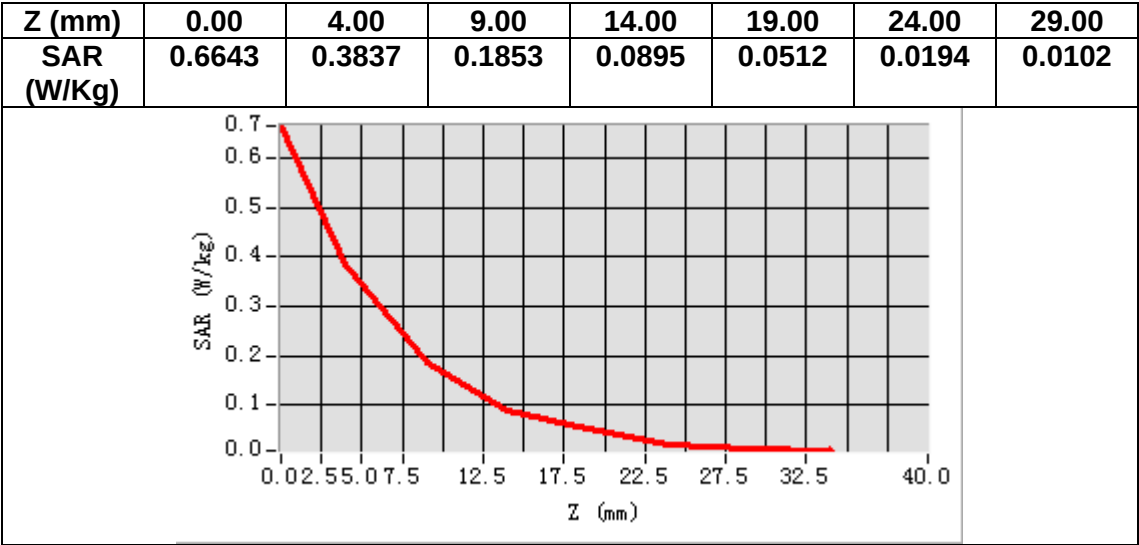
#### VOLUME SAR



Maximum location: X=9.00, Y=49.00

SAR Peak: 0.66 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.160318 |
| SAR 1g (W/Kg)  | 0.345038 |



## MEASUREMENT 7

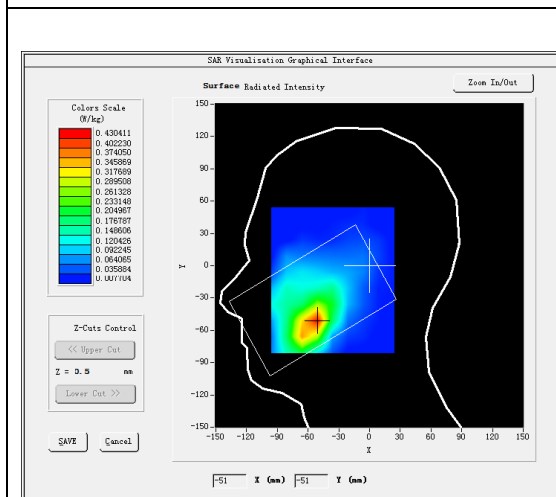
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=15mm dy=15mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>5x5x7,dx=8mm dy=8mm dz=5mm</u>  |
| <u>Phantom</u>         | <u>Left head</u>                   |
| <u>Device Position</u> | <u>Cheek</u>                       |
| <u>Band</u>            | <u>LTE band 4</u>                  |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>LTE (Crest factor: 1.0)</u>     |

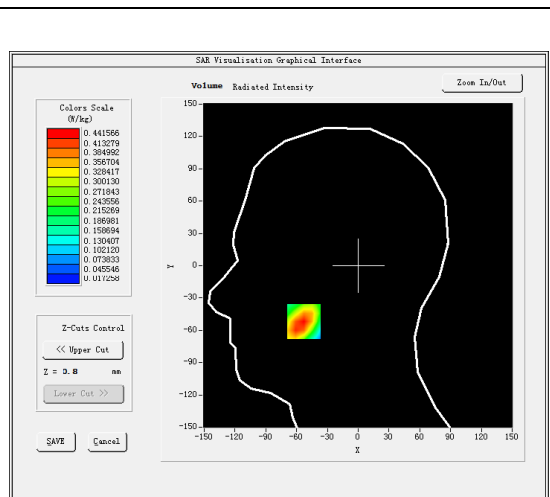
### B. SAR Measurement Results

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1732.500000 |
| <b>Relative permittivity (real part)</b>      | 40.039291   |
| <b>Relative permittivity (imaginary part)</b> | 13.974592   |
| <b>Conductivity (S/m)</b>                     | 1.345054    |
| <b>Variation (%)</b>                          | 0.160000    |

#### SURFACE SAR



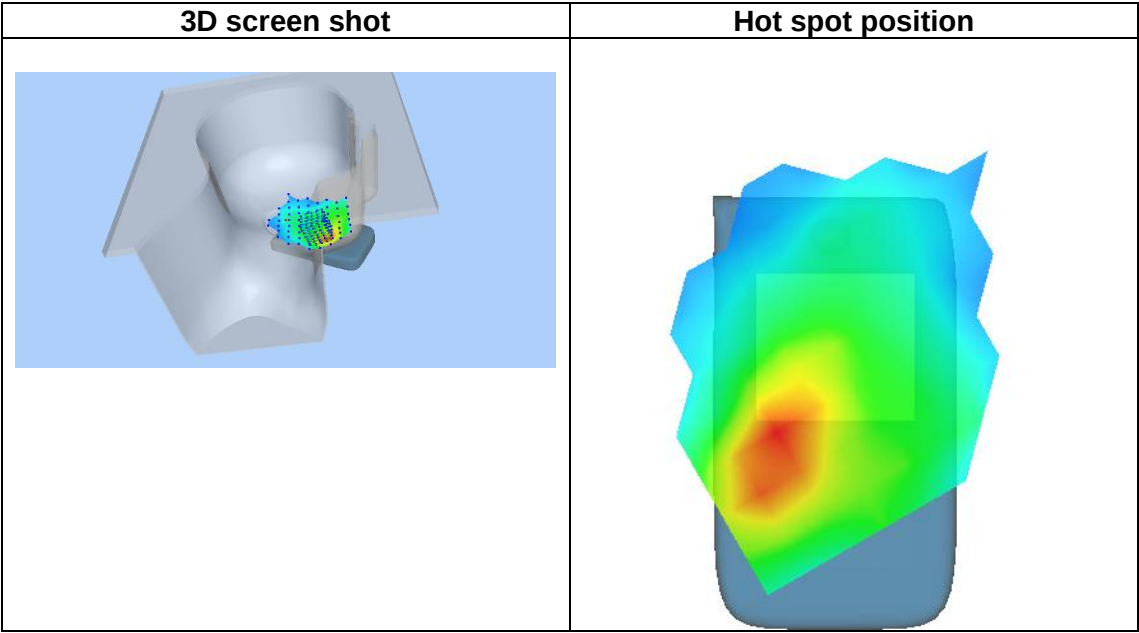
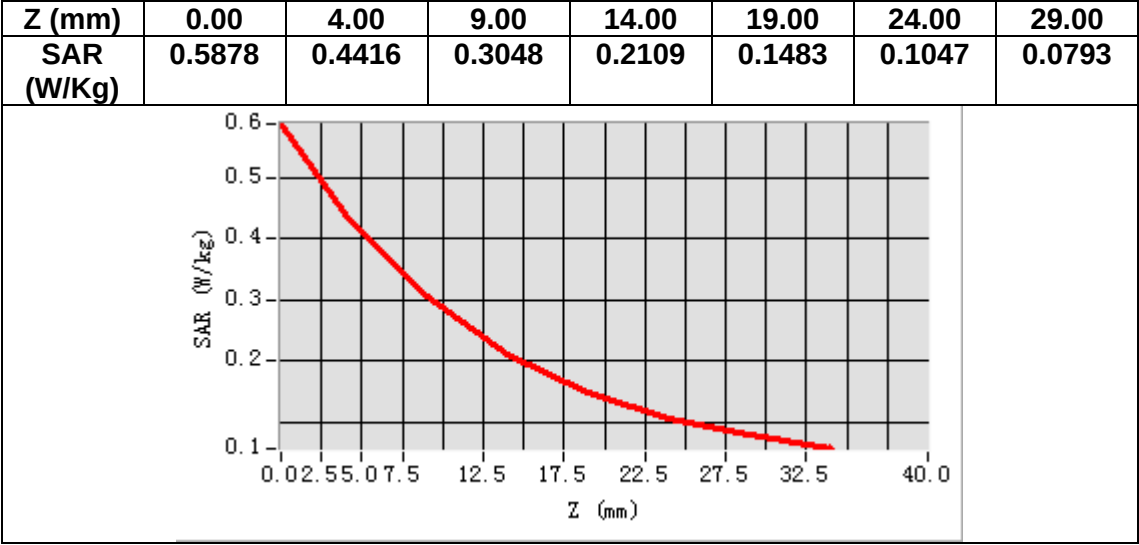
#### VOLUME SAR



Maximum location: X=-53.00, Y=-52.00

SAR Peak: 0.60 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.263603 |
| <b>SAR 1g (W/Kg)</b>  | 0.421691 |



## MEASUREMENT 8

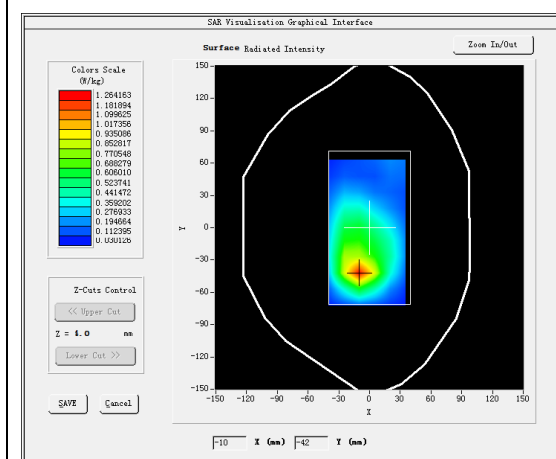
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=15mm dy=15mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>5x5x7,dx=8mm dy=8mm dz=5mm</u>  |
| <u>Phantom</u>         | <u>Validation plane</u>            |
| <u>Device Position</u> | <u>Body</u>                        |
| <u>Band</u>            | <u>LTE band 4</u>                  |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>LTE (Crest factor: 1.0)</u>     |

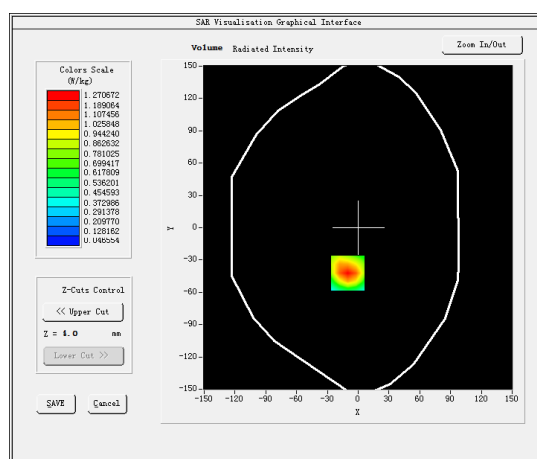
### B. SAR Measurement Results

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1732.500000 |
| <b>Relative permittivity (real part)</b>      | 54.069366   |
| <b>Relative permittivity (imaginary part)</b> | 15.358220   |
| <b>Conductivity (S/m)</b>                     | 1.478229    |
| <b>Variation (%)</b>                          | 0.420000    |

#### SURFACE SAR



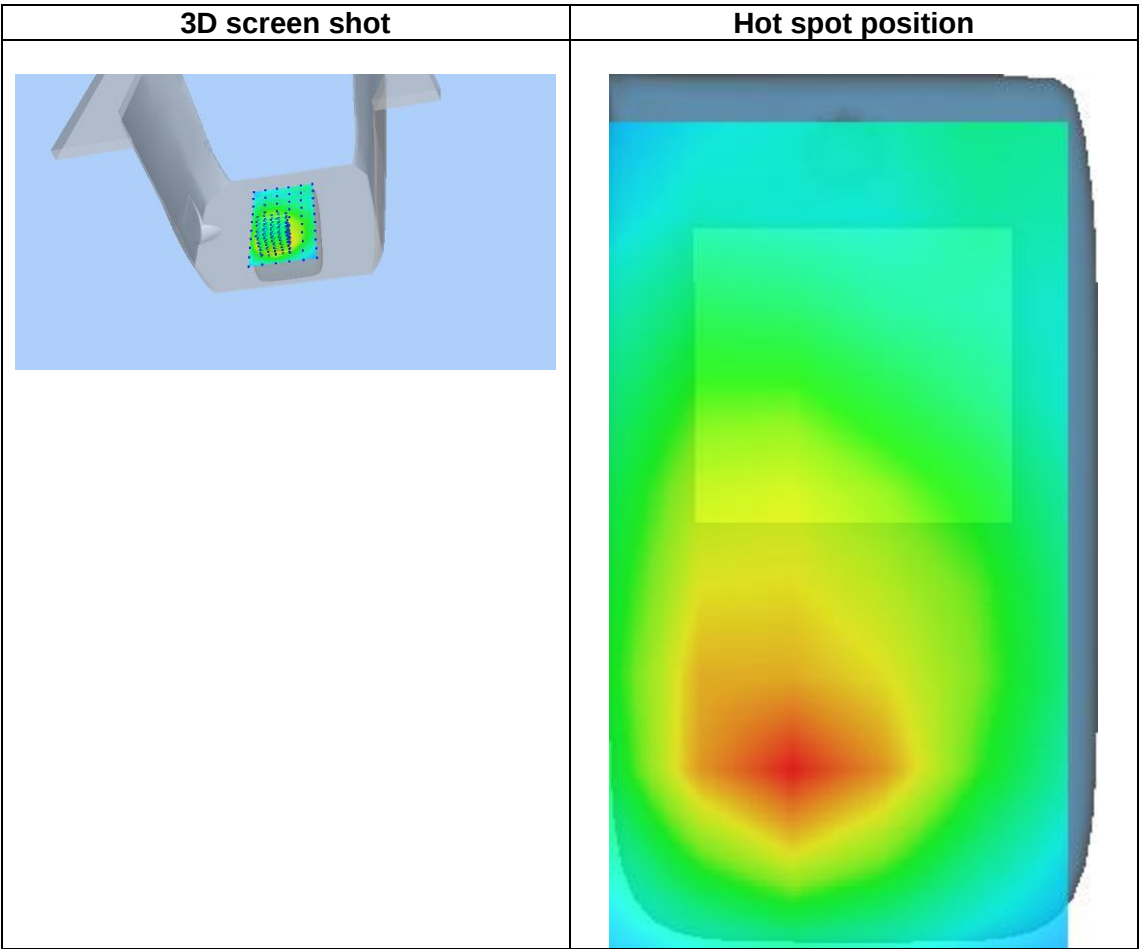
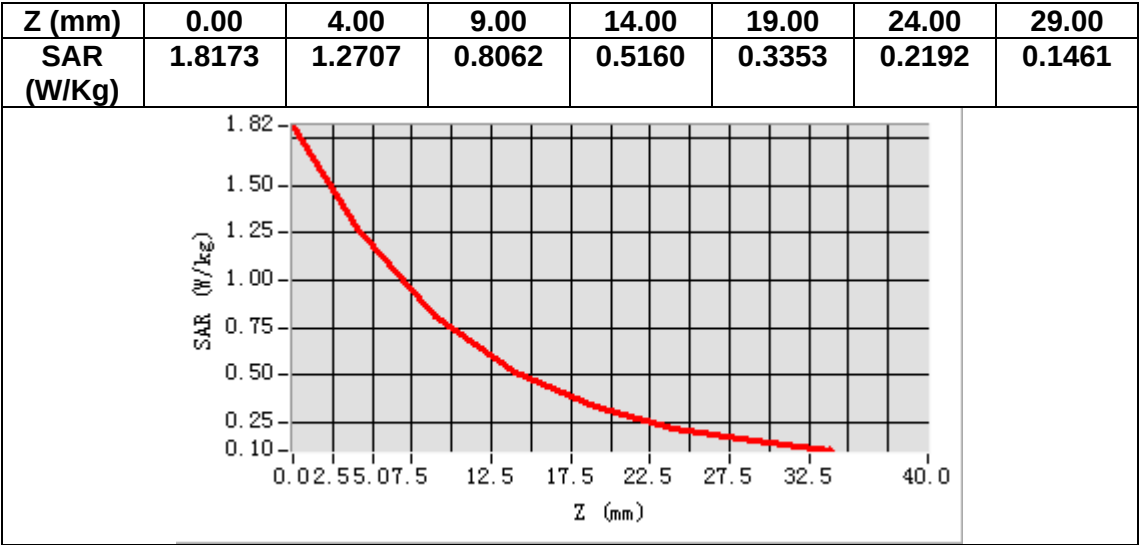
#### VOLUME SAR



Maximum location: X=-10.00, Y=-42.00

SAR Peak: 1.81 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.697389 |
| <b>SAR 1g (W/Kg)</b>  | 1.095776 |



## MEASUREMENT 9

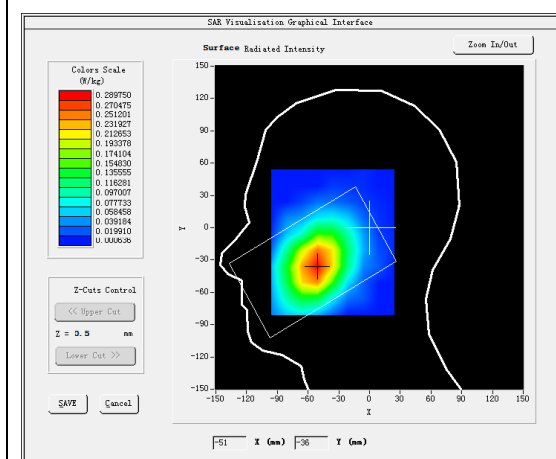
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=15mm dy=15mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>5x5x7,dx=8mm dy=8mm dz=5mm</u>  |
| <u>Phantom</u>         | <u>Left head</u>                   |
| <u>Device Position</u> | <u>Cheek</u>                       |
| <u>Band</u>            | <u>LTE band 5</u>                  |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>LTE (Crest factor: 1.0)</u>     |

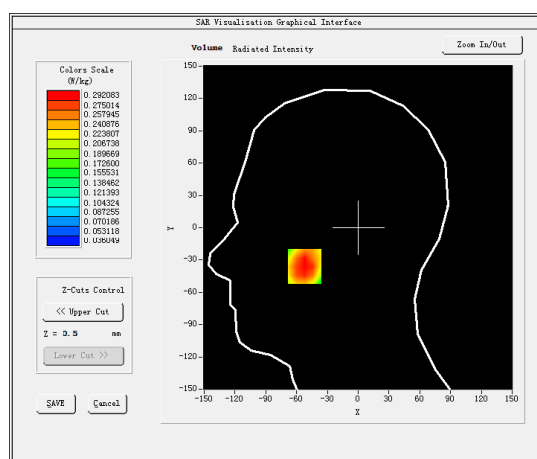
### B. SAR Measurement Results

|                                        |            |
|----------------------------------------|------------|
| Frequency (MHz)                        | 836.500000 |
| Relative permittivity (real part)      | 41.597244  |
| Relative permittivity (imaginary part) | 19.691660  |
| Conductivity (S/m)                     | 0.915115   |
| Variation (%)                          | 3.850000   |

#### SURFACE SAR



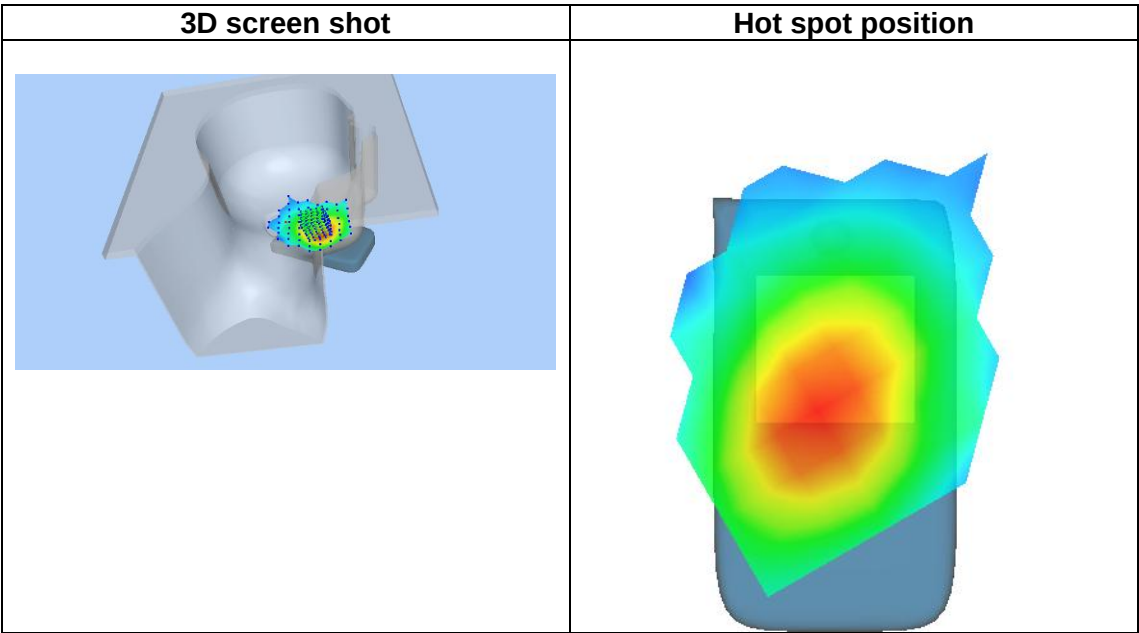
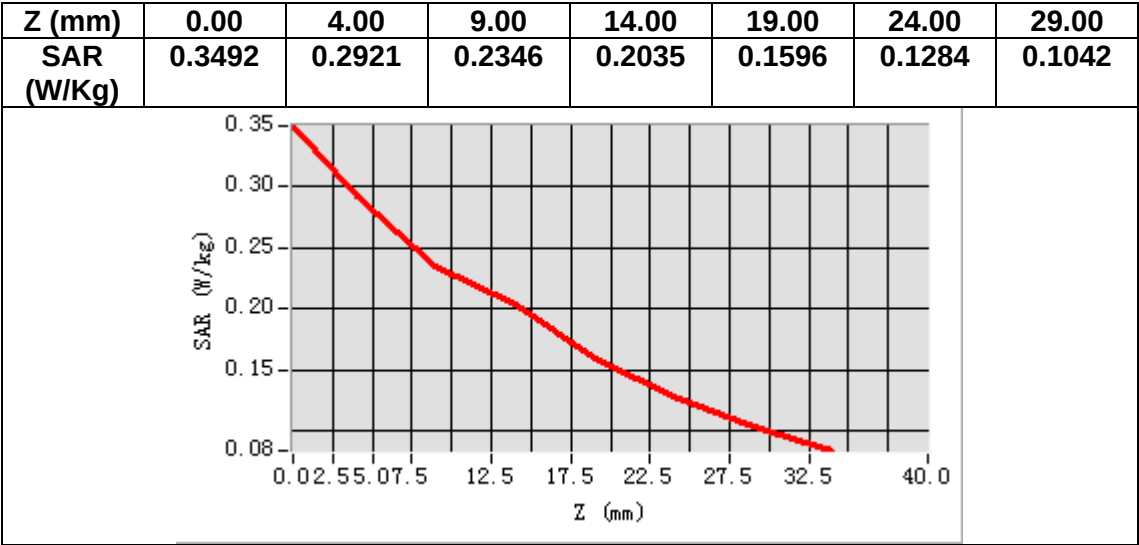
#### VOLUME SAR



Maximum location: X=-52.00, Y=-36.00

SAR Peak: 0.36 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.216897 |
| SAR 1g (W/Kg)  | 0.286797 |



## MEASUREMENT 10

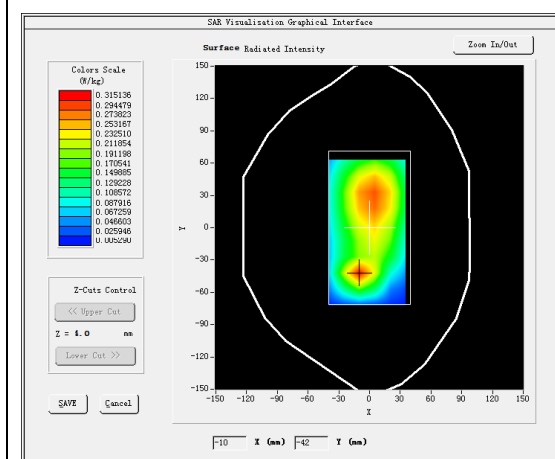
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=15mm dy=15mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>5x5x7, dx=8mm dy=8mm dz=5mm</u> |
| <u>Phantom</u>         | <u>Validation plane</u>            |
| <u>Device Position</u> | <u>Body</u>                        |
| <u>Band</u>            | <u>LTE band 5</u>                  |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>LTE (Crest factor: 1.0)</u>     |

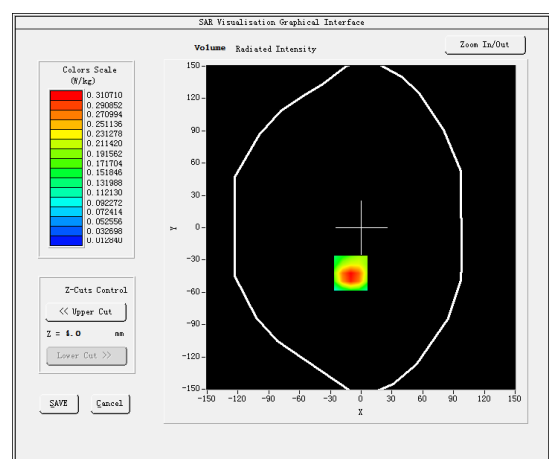
### B. SAR Measurement Results

|                                        |            |
|----------------------------------------|------------|
| Frequency (MHz)                        | 836.500000 |
| Relative permittivity (real part)      | 54.815498  |
| Relative permittivity (imaginary part) | 20.999001  |
| Conductivity (S/m)                     | 0.975870   |
| Variation (%)                          | -1.230000  |

#### SURFACE SAR



#### VOLUME SAR



Maximum location: X=-10.00, Y=-42.00

SAR Peak: 0.48 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.170808 |
| SAR 1g (W/Kg)  | 0.307312 |



## MEASUREMENT 11

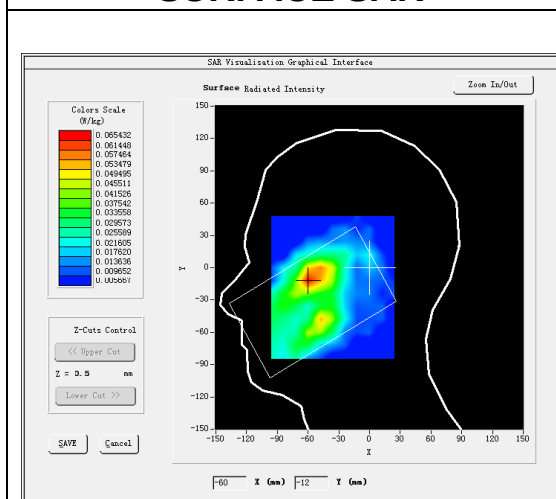
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=12mm dy=12mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>7x7x7,dx=5mm dy=5mm dz=5mm</u>  |
| <u>Phantom</u>         | <u>Left head</u>                   |
| <u>Device Position</u> | <u>Cheek</u>                       |
| <u>Band</u>            | <u>LTE band 7</u>                  |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>LTE (Crest factor: 1.0)</u>     |

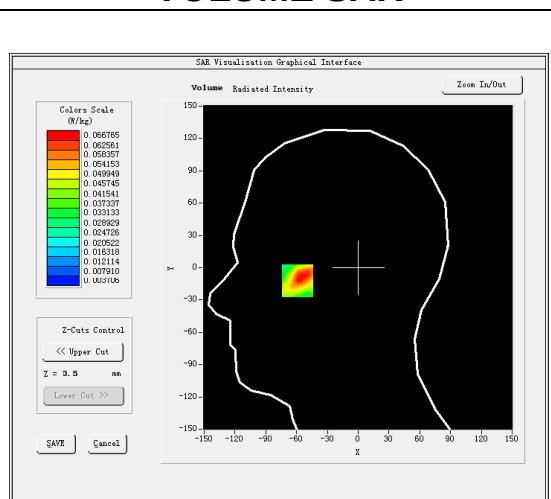
### B. SAR Measurement Results

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 2535.000000 |
| <b>Relative permittivity (real part)</b>      | 39.305486   |
| <b>Relative permittivity (imaginary part)</b> | 13.511160   |
| <b>Conductivity (S/m)</b>                     | 1.896342    |
| <b>Variation (%)</b>                          | 2.300000    |

#### SURFACE SAR



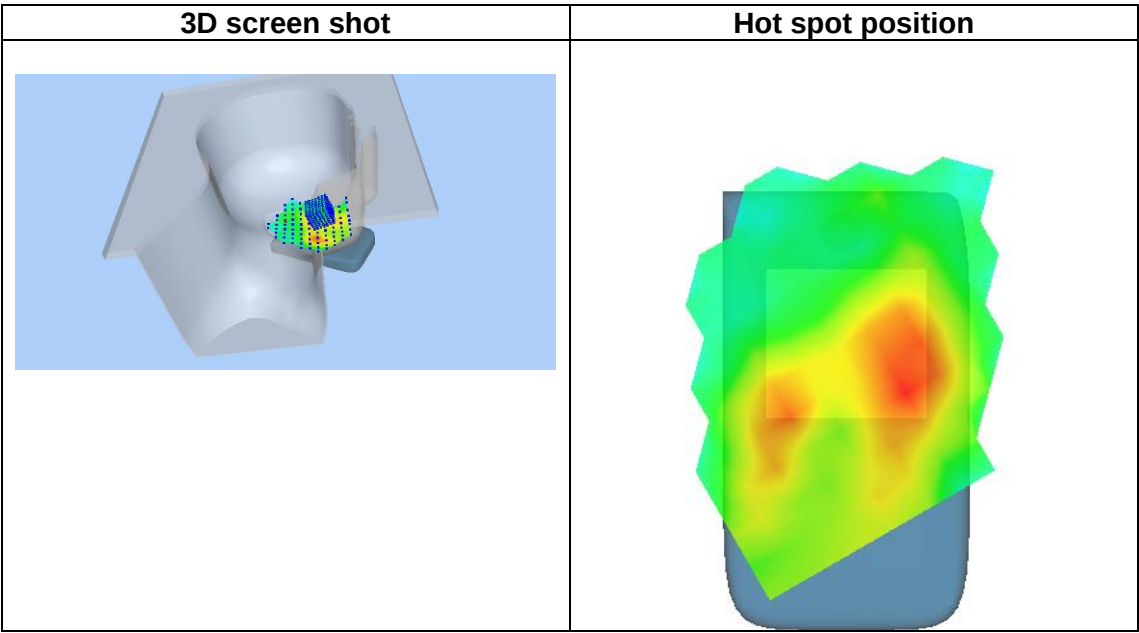
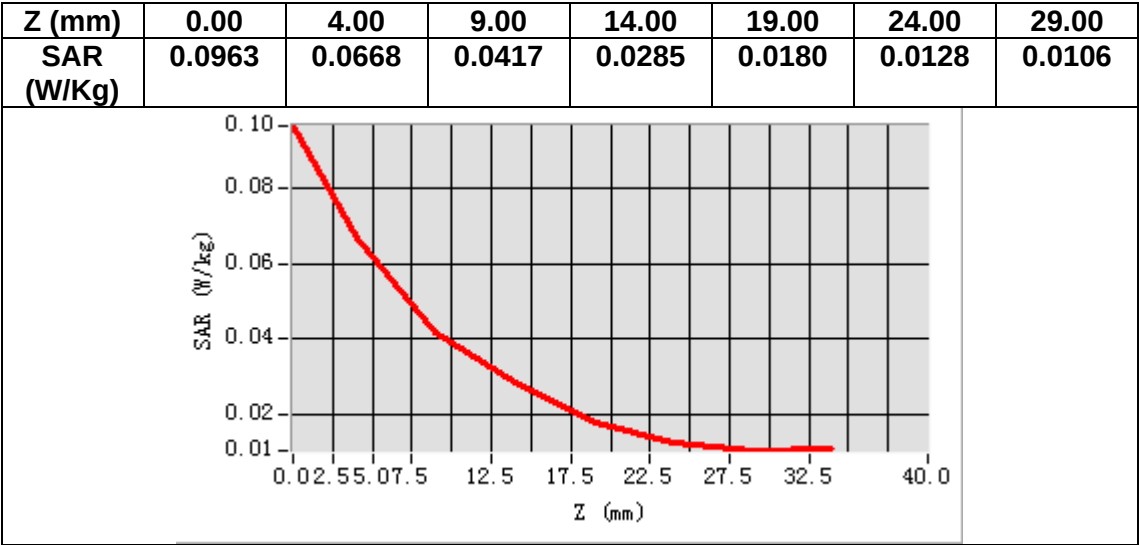
#### VOLUME SAR



Maximum location: X=-59.00, Y=-11.00

SAR Peak: 0.10 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.037878 |
| <b>SAR 1g (W/Kg)</b>  | 0.062854 |



## MEASUREMENT 12

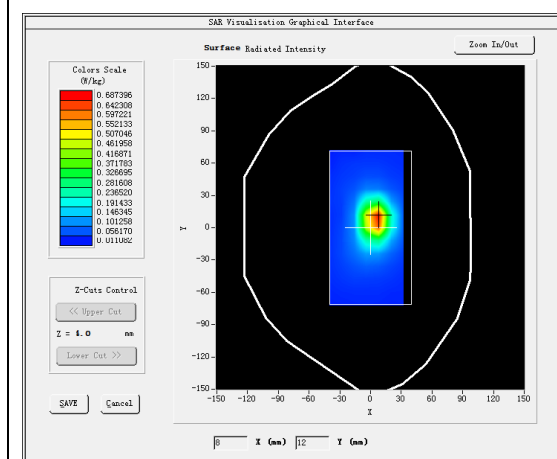
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=12mm dy=12mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>7x7x7,dx=5mm dy=5mm dz=5mm</u>  |
| <u>Phantom</u>         | <u>Validation plane</u>            |
| <u>Device Position</u> | <u>Body</u>                        |
| <u>Band</u>            | <u>LTE band 7</u>                  |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>LTE (Crest factor: 1.0)</u>     |

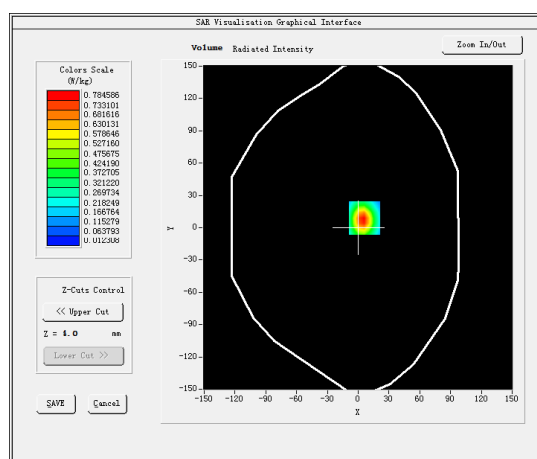
### B. SAR Measurement Results

|                                        |             |
|----------------------------------------|-------------|
| Frequency (MHz)                        | 2535.000000 |
| Relative permittivity (real part)      | 53.506946   |
| Relative permittivity (imaginary part) | 14.907840   |
| Conductivity (S/m)                     | 2.101633    |
| Variation (%)                          | -0.250000   |

#### SURFACE SAR



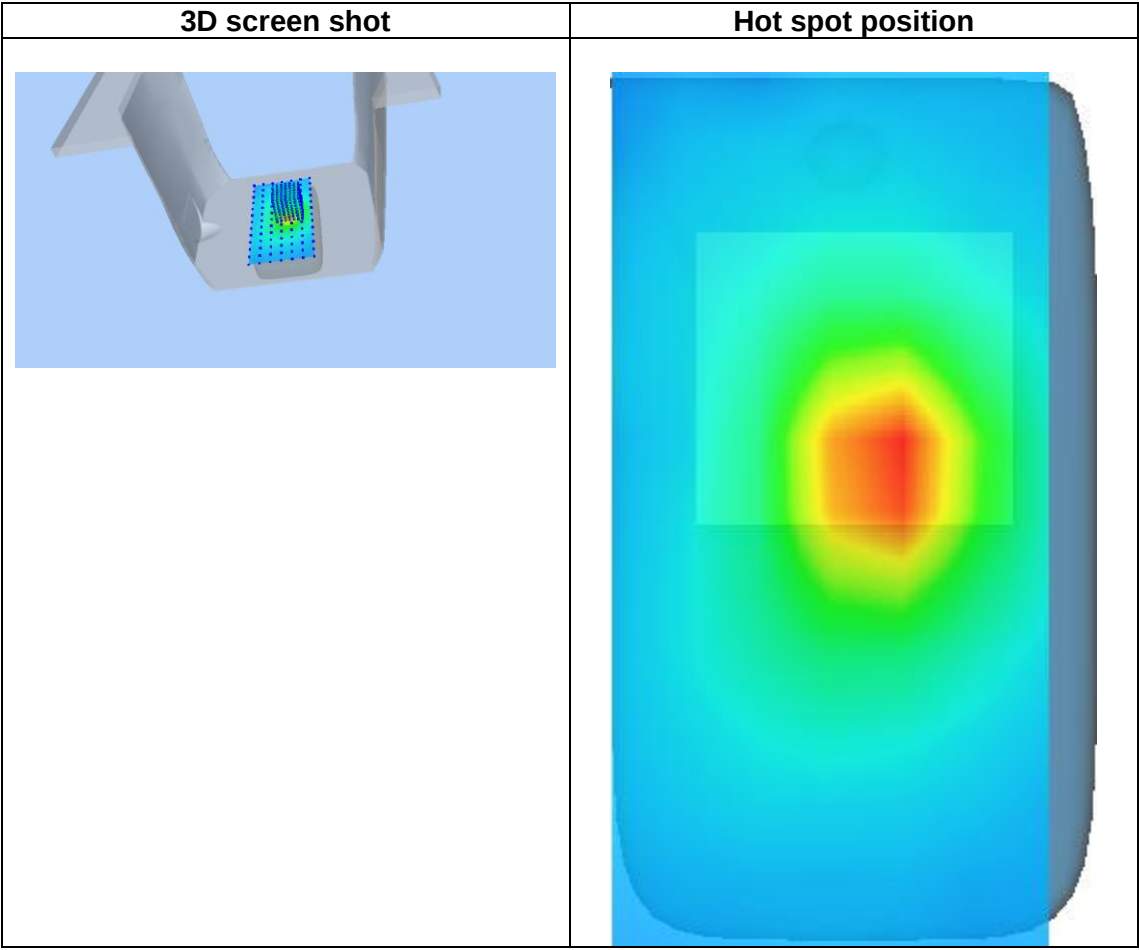
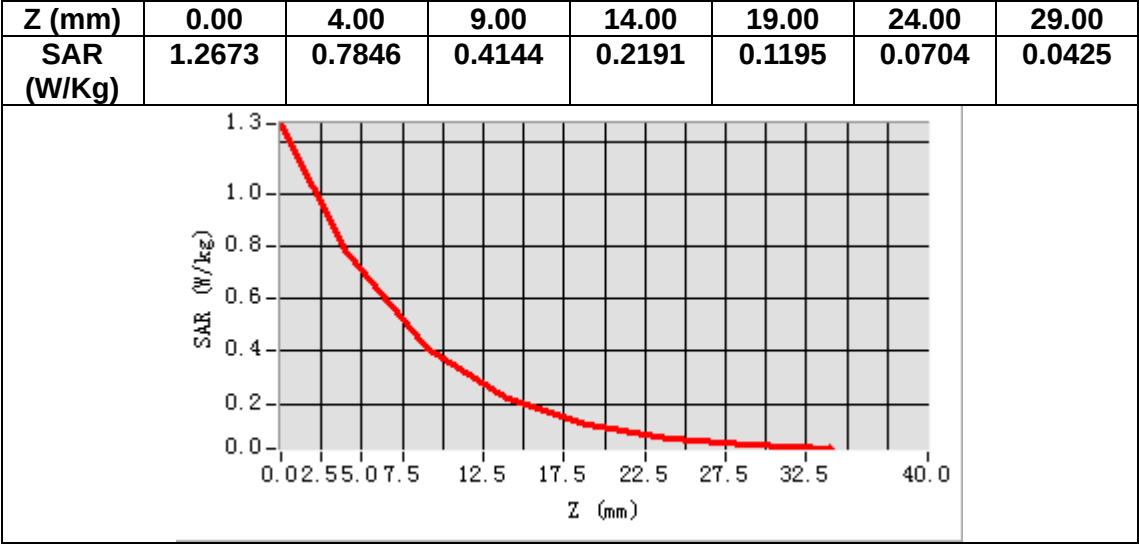
#### VOLUME SAR



Maximum location: X=6.00, Y=9.00

SAR Peak: 1.28 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.340997 |
| SAR 1g (W/Kg)  | 0.714795 |



## MEASUREMENT 13

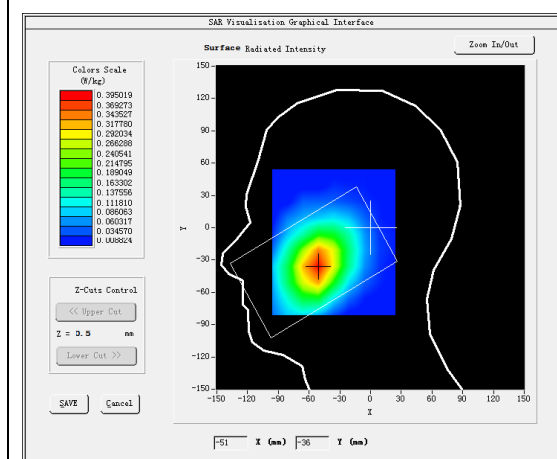
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=15mm dy=15mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>5x5x7,dx=8mm dy=8mm dz=5mm</u>  |
| <u>Phantom</u>         | <u>Left head</u>                   |
| <u>Device Position</u> | <u>Cheek</u>                       |
| <u>Band</u>            | <u>GSM850</u>                      |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>TDMA (Crest factor: 2.0)</u>    |

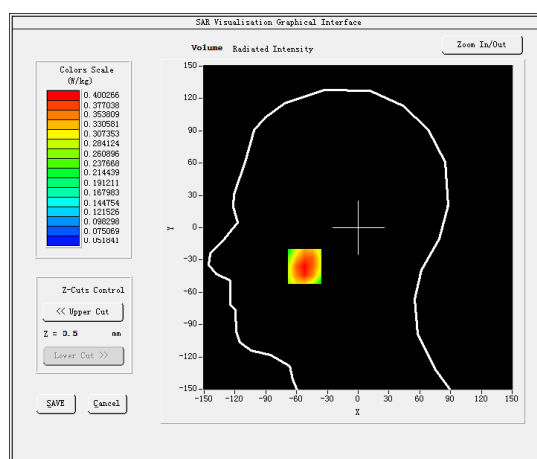
### B. SAR Measurement Results

|                                        |            |
|----------------------------------------|------------|
| Frequency (MHz)                        | 836.400000 |
| Relative permittivity (real part)      | 41.594166  |
| Relative permittivity (imaginary part) | 19.687820  |
| Conductivity (S/m)                     | 0.914827   |
| Variation (%)                          | 1.980000   |

#### SURFACE SAR



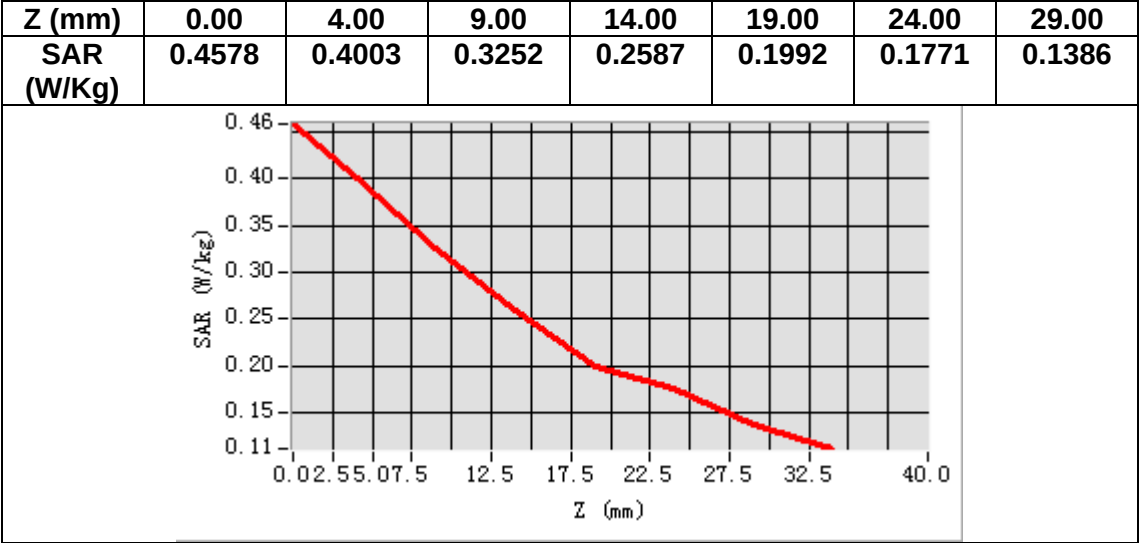
#### VOLUME SAR



Maximum location: X=-52.00, Y=-36.00

SAR Peak: 0.51 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.286981 |
| SAR 1g (W/Kg)  | 0.389814 |



## MEASUREMENT 14

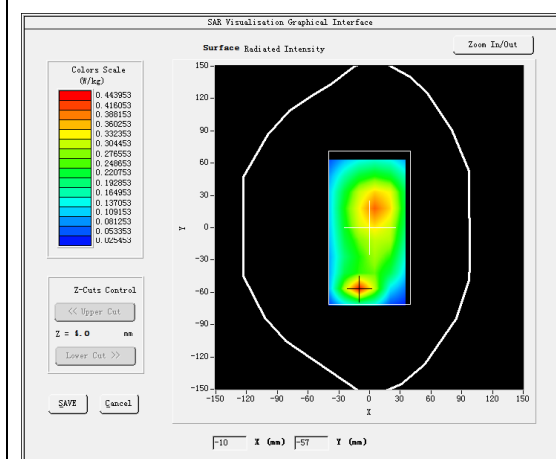
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=15mm dy=15mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>5x5x7, dx=8mm dy=8mm dz=5mm</u> |
| <u>Phantom</u>         | <u>Validation plane</u>            |
| <u>Device Position</u> | <u>Body</u>                        |
| <u>Band</u>            | <u>GSM850</u>                      |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>TDMA (Crest factor: 2.0)</u>    |

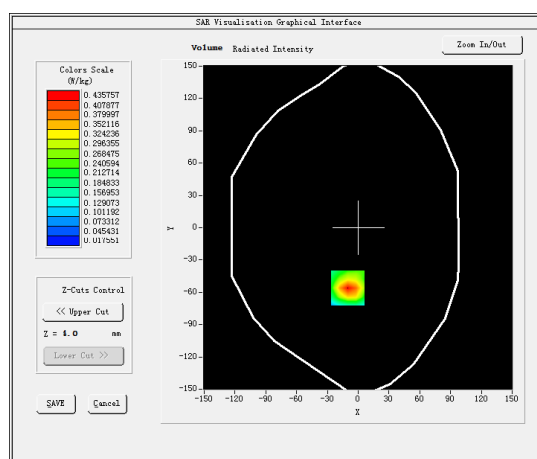
### B. SAR Measurement Results

|                                        |            |
|----------------------------------------|------------|
| Frequency (MHz)                        | 836.400000 |
| Relative permittivity (real part)      | 54.811581  |
| Relative permittivity (imaginary part) | 21.004740  |
| Conductivity (S/m)                     | 0.976020   |
| Variation (%)                          | -3.370000  |

#### SURFACE SAR



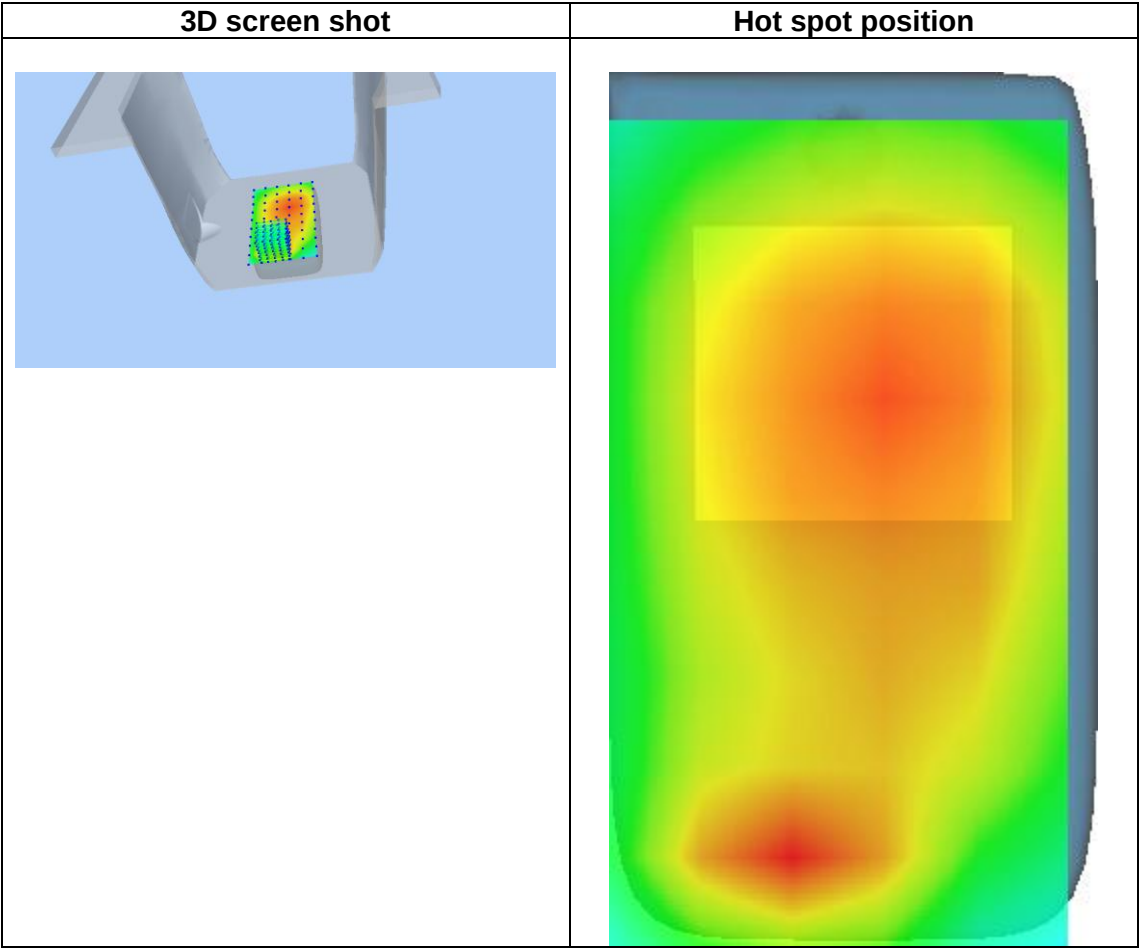
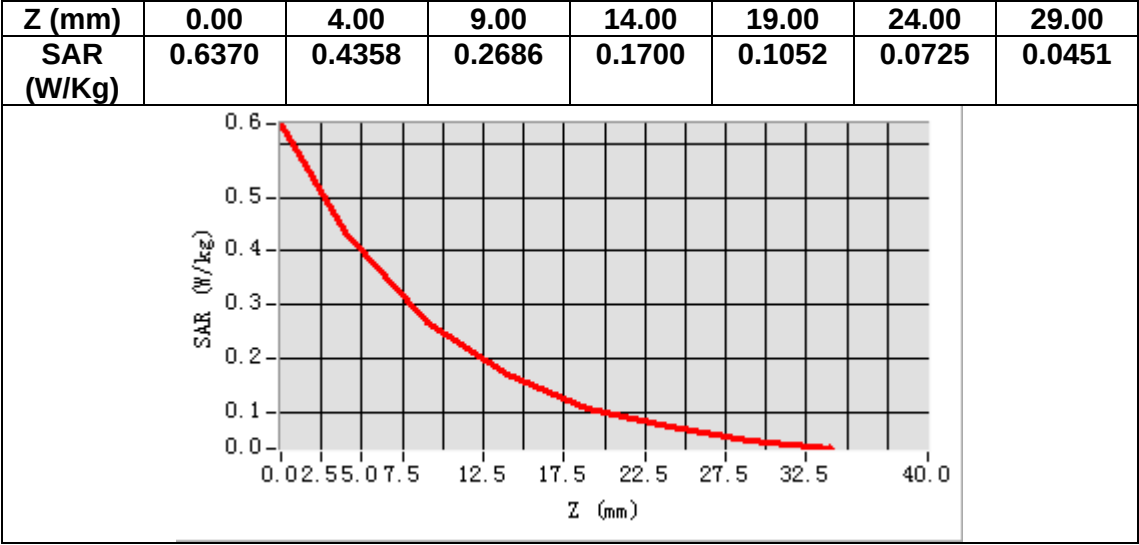
#### VOLUME SAR



Maximum location: X=-10.00, Y=-56.00

SAR Peak: 0.64 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.223764 |
| SAR 1g (W/Kg)  | 0.403998 |



## MEASUREMENT 15

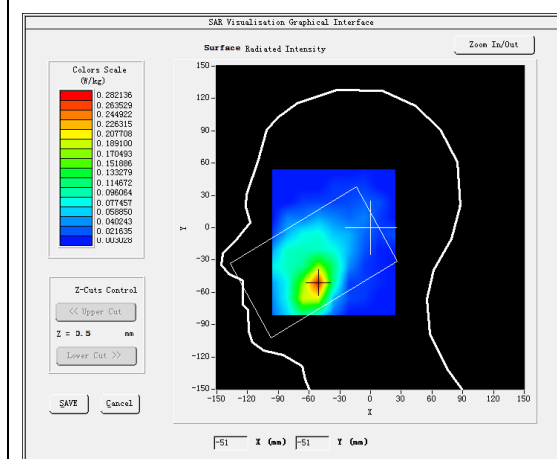
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=15mm dy=15mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>5x5x7,dx=8mm dy=8mm dz=5mm</u>  |
| <u>Phantom</u>         | <u>Left head</u>                   |
| <u>Device Position</u> | <u>Cheek</u>                       |
| <u>Band</u>            | <u>GSM1900</u>                     |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>TDMA (Crest factor: 2.0)</u>    |

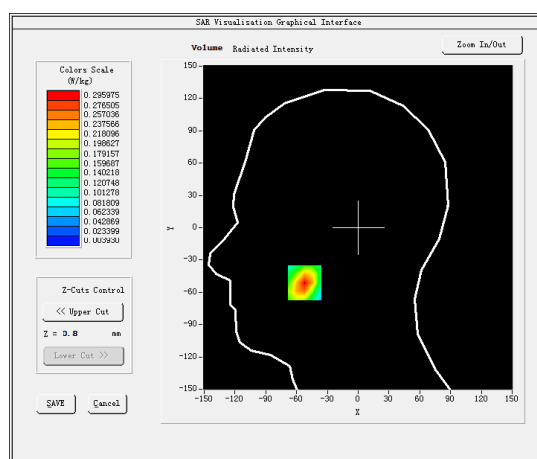
### B. SAR Measurement Results

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 1880.000000 |
| <b>Relative permittivity (real part)</b>      | 39.759399   |
| <b>Relative permittivity (imaginary part)</b> | 13.582800   |
| <b>Conductivity (S/m)</b>                     | 1.418648    |
| <b>Variation (%)</b>                          | -0.870000   |

#### SURFACE SAR



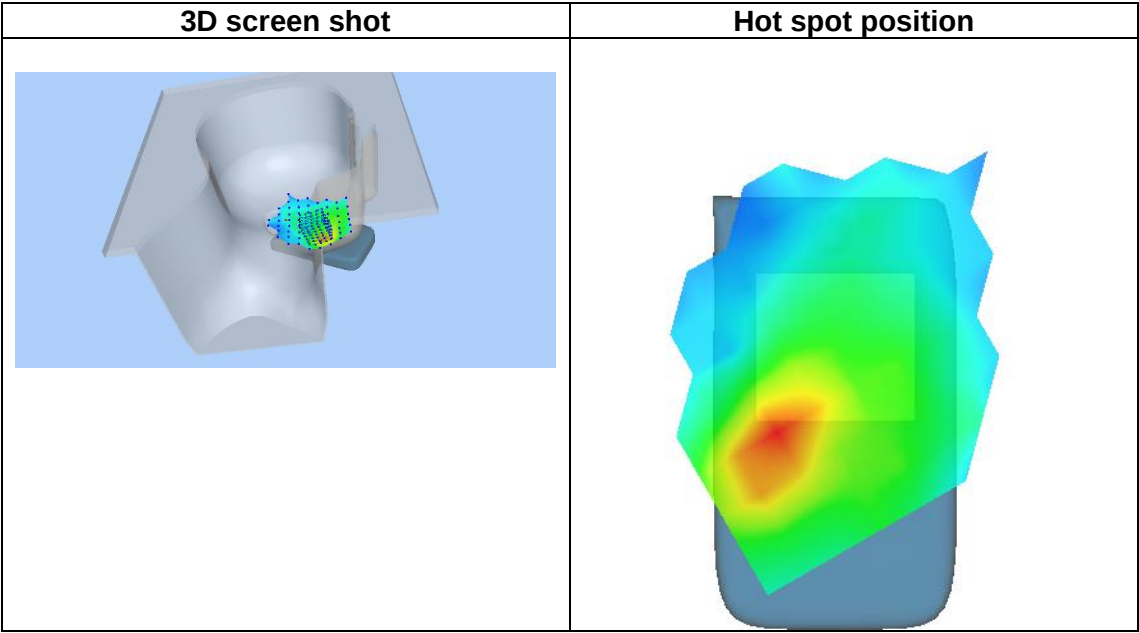
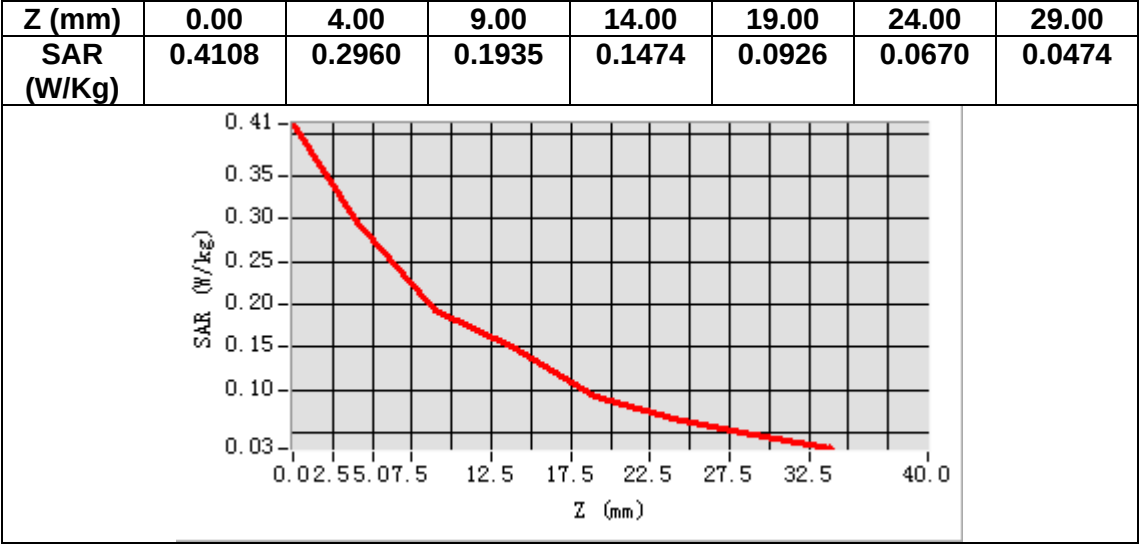
#### VOLUME SAR



Maximum location: X=-52.00, Y=-51.00

SAR Peak: 0.43 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.164513 |
| <b>SAR 1g (W/Kg)</b>  | 0.280834 |



## MEASUREMENT 16

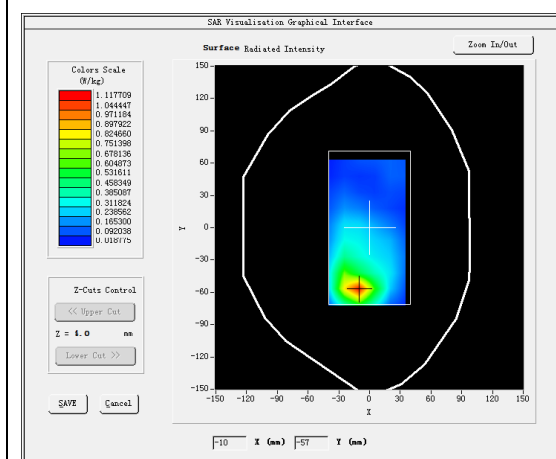
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=15mm dy=15mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>5x5x7, dx=8mm dy=8mm dz=5mm</u> |
| <u>Phantom</u>         | <u>Validation plane</u>            |
| <u>Device Position</u> | <u>Body</u>                        |
| <u>Band</u>            | <u>GSM1900</u>                     |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>TDMA (Crest factor: 2.0)</u>    |

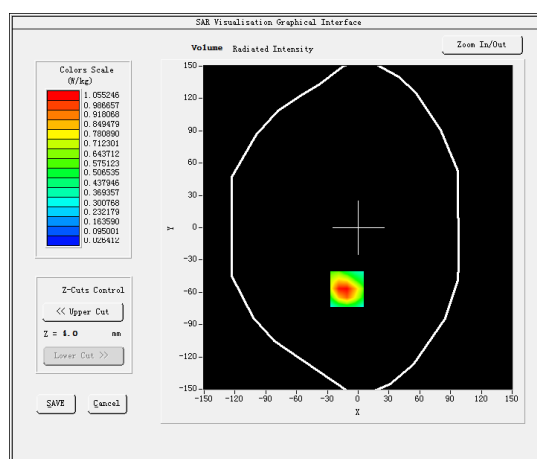
### B. SAR Measurement Results

|                                        |             |
|----------------------------------------|-------------|
| Frequency (MHz)                        | 1880.000000 |
| Relative permittivity (real part)      | 54.114899   |
| Relative permittivity (imaginary part) | 14.497900   |
| Conductivity (S/m)                     | 1.514225    |
| Variation (%)                          | -1.900000   |

#### SURFACE SAR



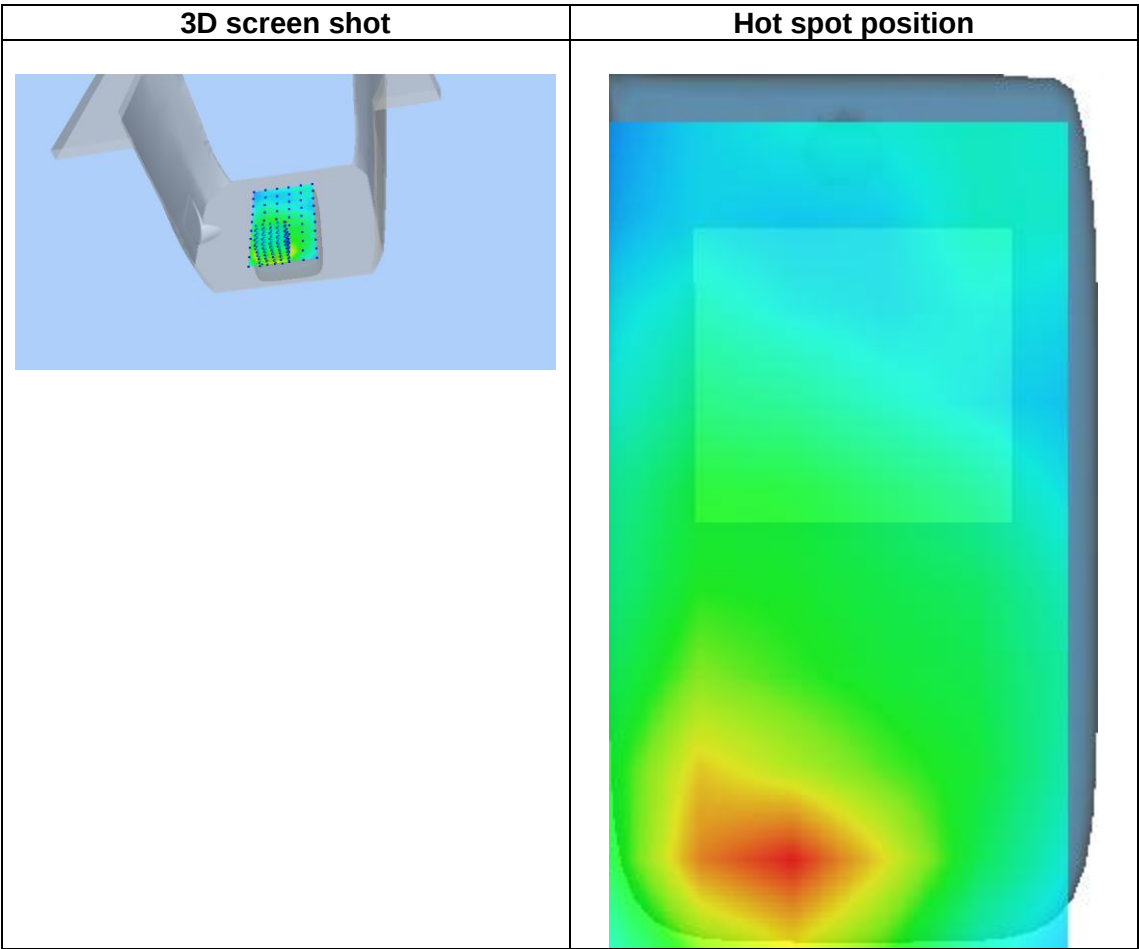
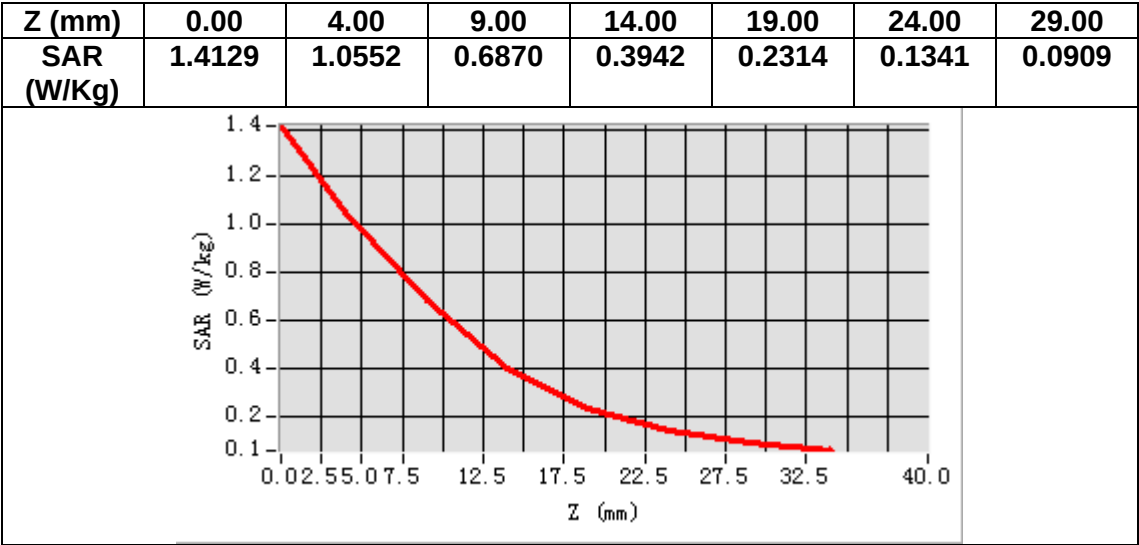
#### VOLUME SAR



Maximum location: X=-11.00, Y=-57.00

SAR Peak: 1.58 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.547334 |
| SAR 1g (W/Kg)  | 1.006708 |



## MEASUREMENT 17

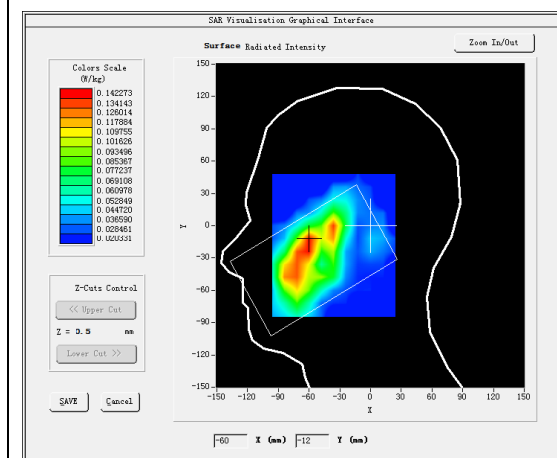
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <b>Area Scan</b>       | <u>dx=12mm dy=12mm, h= 5.00 mm</u> |
| <b>ZoomScan</b>        | <u>7x7x7,dx=5mm dy=5mm dz=5mm</u>  |
| <b>Phantom</b>         | <u>Left head</u>                   |
| <b>Device Position</b> | <u>Cheek</u>                       |
| <b>Band</b>            | <u>LTE band 38</u>                 |
| <b>Channels</b>        | <u>Middle</u>                      |
| <b>Signal</b>          | <u>LTE (Crest factor: 1.6)</u>     |

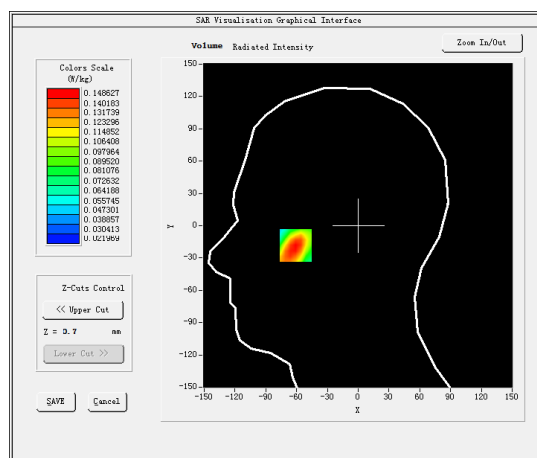
### B. SAR Measurement Results

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 2595.000000 |
| <b>Relative permittivity (real part)</b>      | 38.937586   |
| <b>Relative permittivity (imaginary part)</b> | 13.724960   |
| <b>Conductivity (S/m)</b>                     | 1.978681    |
| <b>Variation (%)</b>                          | -2.050000   |

#### SURFACE SAR



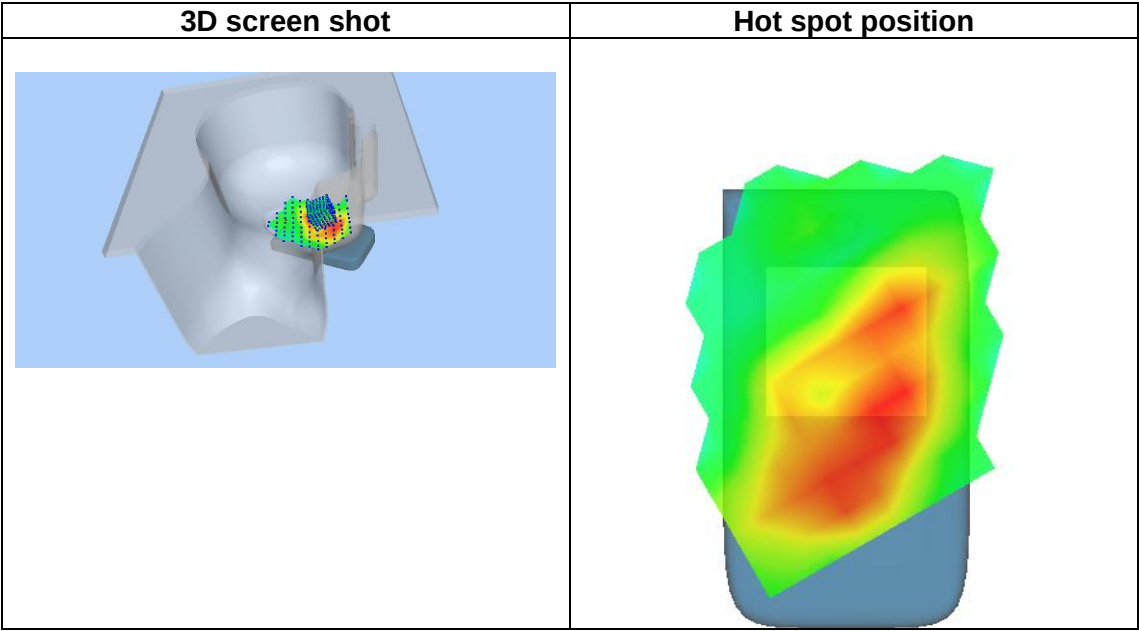
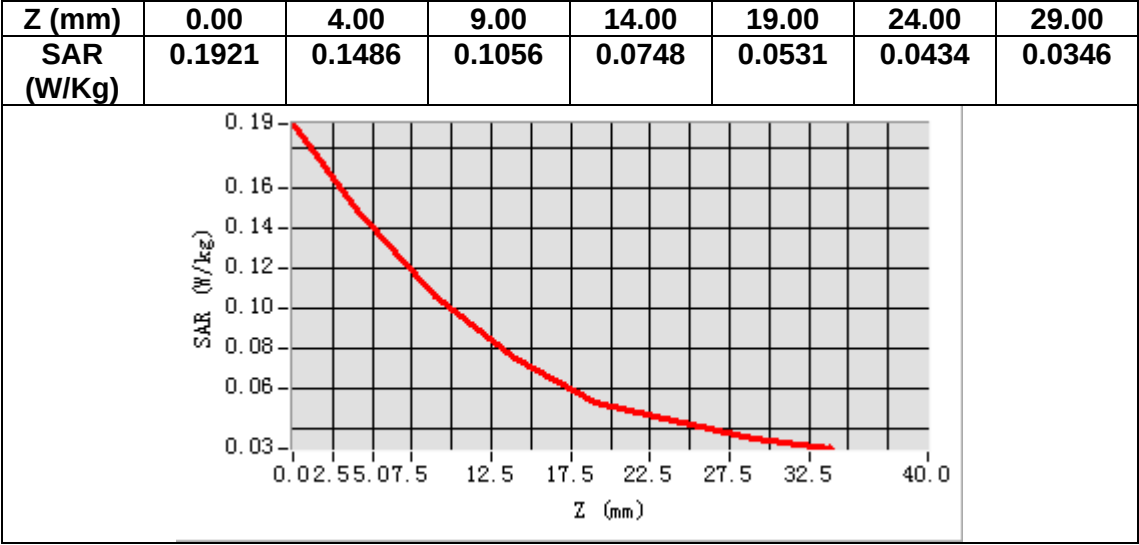
#### VOLUME SAR



Maximum location: X=-61.00, Y=-17.00

SAR Peak: 0.20 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.111101 |
| <b>SAR 1g (W/Kg)</b>  | 0.082035 |



## MEASUREMENT 18

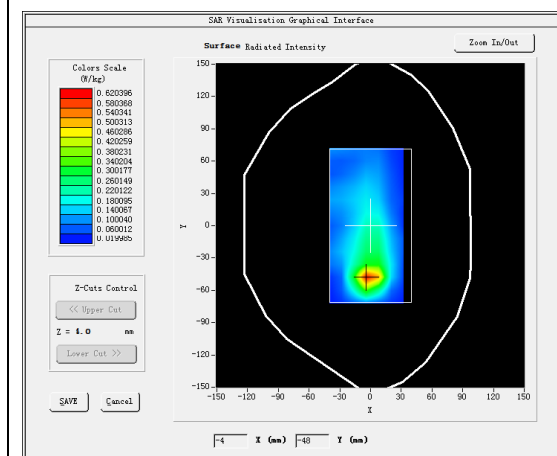
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=12mm dy=12mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>7x7x7,dx=5mm dy=5mm dz=5mm</u>  |
| <u>Phantom</u>         | <u>Validation plane</u>            |
| <u>Device Position</u> | <u>Body</u>                        |
| <u>Band</u>            | <u>LTE band 38</u>                 |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>LTE (Crest factor: 1.6)</u>     |

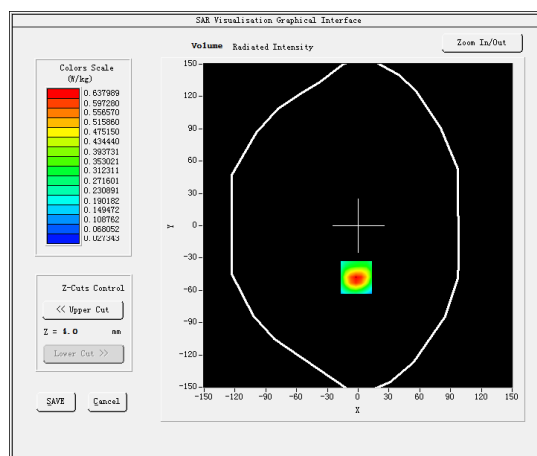
### B. SAR Measurement Results

|                                        |             |
|----------------------------------------|-------------|
| Frequency (MHz)                        | 2595.000000 |
| Relative permittivity (real part)      | 53.139046   |
| Relative permittivity (imaginary part) | 15.121640   |
| Conductivity (S/m)                     | 2.180036    |
| Variation (%)                          | 2.170000    |

#### SURFACE SAR



#### VOLUME SAR

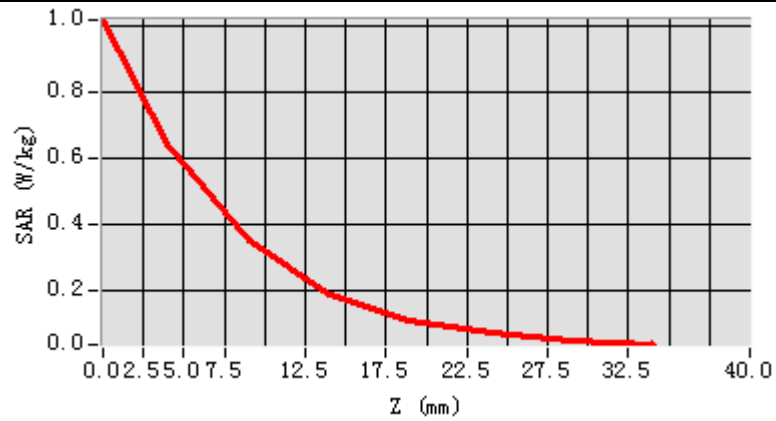


Maximum location: X=-2.00, Y=-48.00

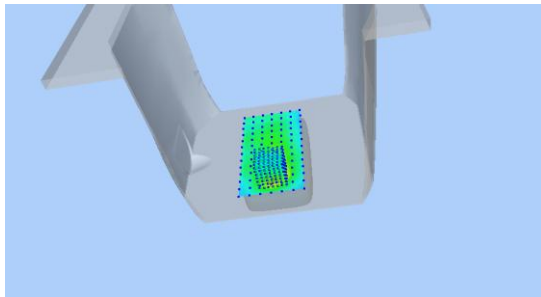
SAR Peak: 1.02 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.206459 |
| SAR 1g (W/Kg)  | 0.372447 |

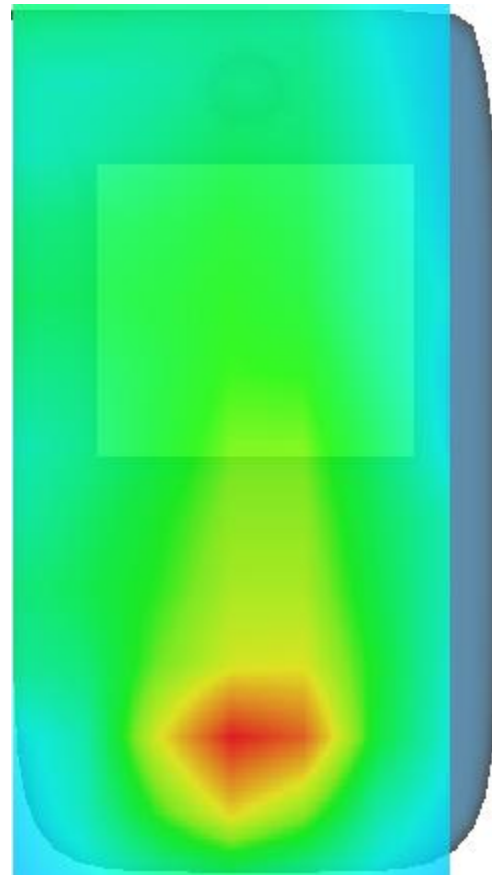
|                       |               |               |               |               |               |               |               |
|-----------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>Z (mm)</b>         | <b>0.00</b>   | <b>4.00</b>   | <b>9.00</b>   | <b>14.00</b>  | <b>19.00</b>  | <b>24.00</b>  | <b>29.00</b>  |
| <b>SAR<br/>(W/Kg)</b> | <b>1.0162</b> | <b>0.6380</b> | <b>0.3467</b> | <b>0.1850</b> | <b>0.1076</b> | <b>0.0681</b> | <b>0.0442</b> |



### 3D screen shot



### Hot spot position



## MEASUREMENT 19

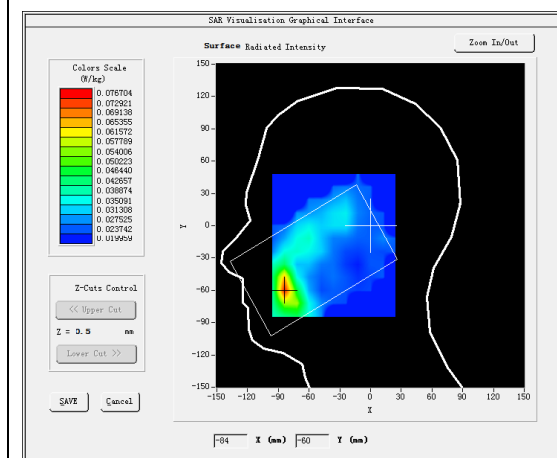
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=12mm dy=12mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>7x7x7,dx=5mm dy=5mm dz=5mm</u>  |
| <u>Phantom</u>         | <u>Left head</u>                   |
| <u>Device Position</u> | <u>Cheek</u>                       |
| <u>Band</u>            | <u>LTE band 40 A</u>               |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>LTE (Crest factor: 1.6)</u>     |

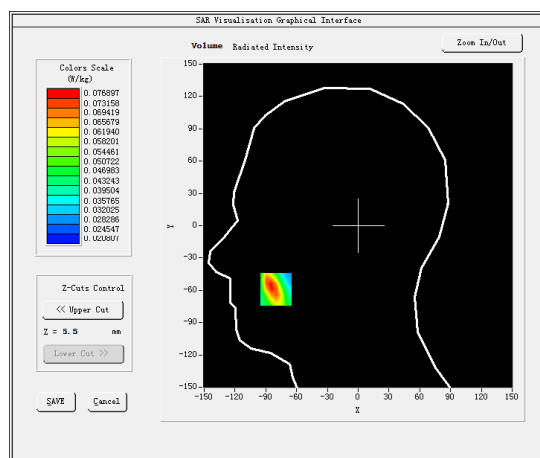
### B. SAR Measurement Results

|                                        |             |
|----------------------------------------|-------------|
| Frequency (MHz)                        | 2312.500000 |
| Relative permittivity (real part)      | 39.343223   |
| Relative permittivity (imaginary part) | 13.184833   |
| Conductivity (S/m)                     | 1.693884    |
| Variation (%)                          | 3.090000    |

#### SURFACE SAR



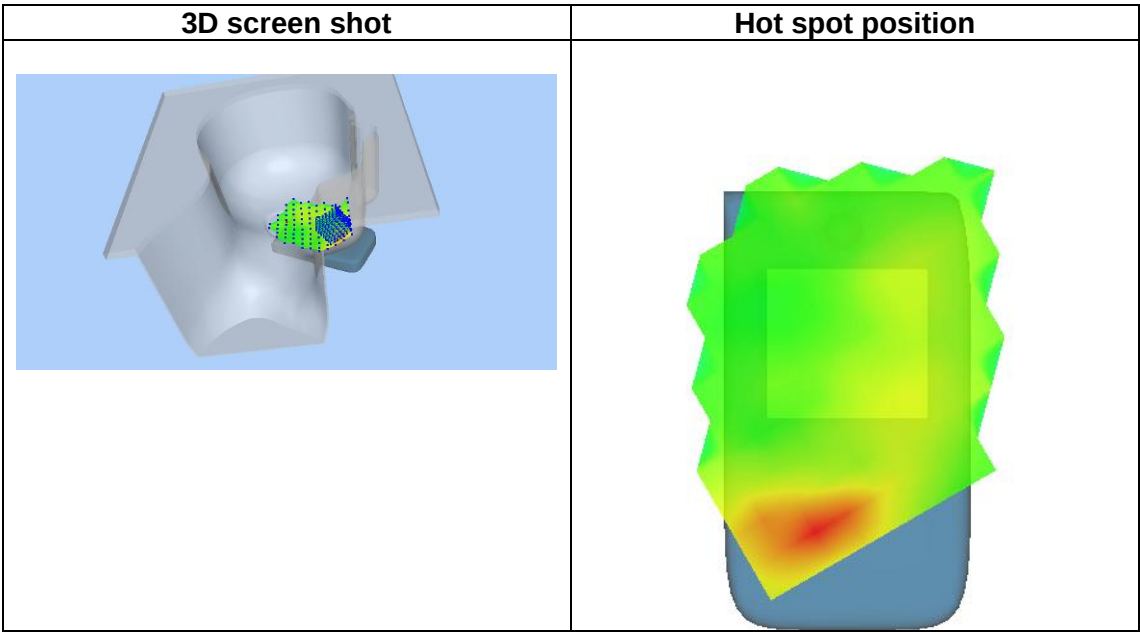
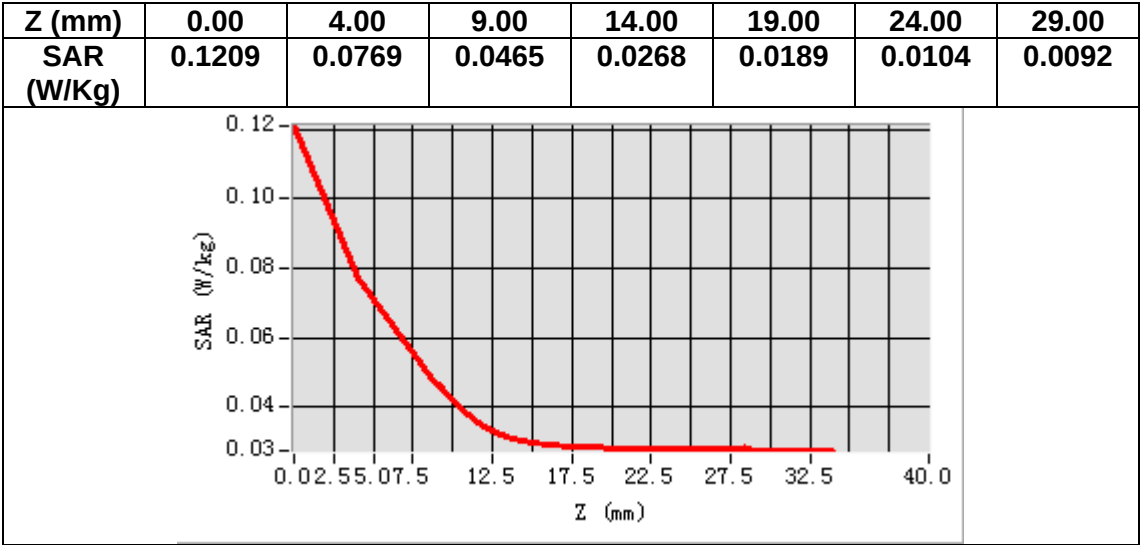
#### VOLUME SAR



Maximum location: X=-80.00, Y=-59.00

SAR Peak: 0.10 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.062546 |
| SAR 1g (W/Kg)  | 0.078033 |



## MEASUREMENT 20

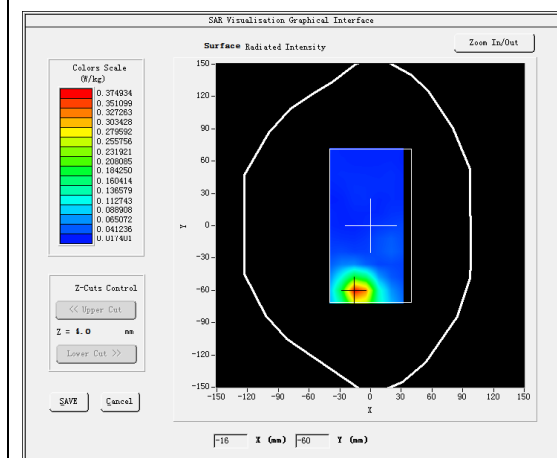
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <b>Area Scan</b>       | <u>dx=12mm dy=12mm, h= 5.00 mm</u> |
| <b>ZoomScan</b>        | <u>7x7x7,dx=5mm dy=5mm dz=5mm</u>  |
| <b>Phantom</b>         | <u>Validation plane</u>            |
| <b>Device Position</b> | <u>Body</u>                        |
| <b>Band</b>            | <u>LTE band 40 A</u>               |
| <b>Channels</b>        | <u>Middle</u>                      |
| <b>Signal</b>          | <u>LTE (Crest factor: 1.6)</u>     |

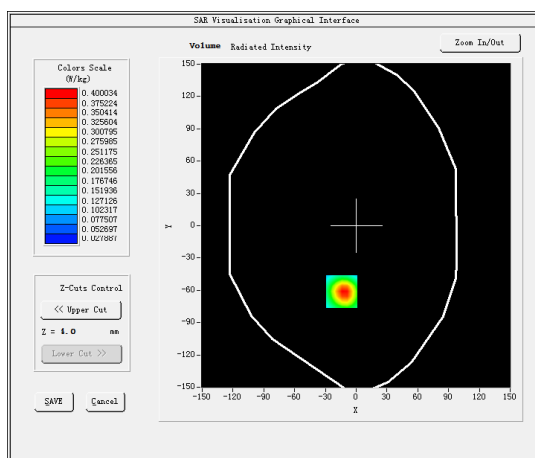
### B. SAR Measurement Results

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 2312.500000 |
| <b>Relative permittivity (real part)</b>      | 52.415300   |
| <b>Relative permittivity (imaginary part)</b> | 14.011020   |
| <b>Conductivity (S/m)</b>                     | 1.800026    |
| <b>Variation (%)</b>                          | 2.170000    |

#### SURFACE SAR



#### VOLUME SAR

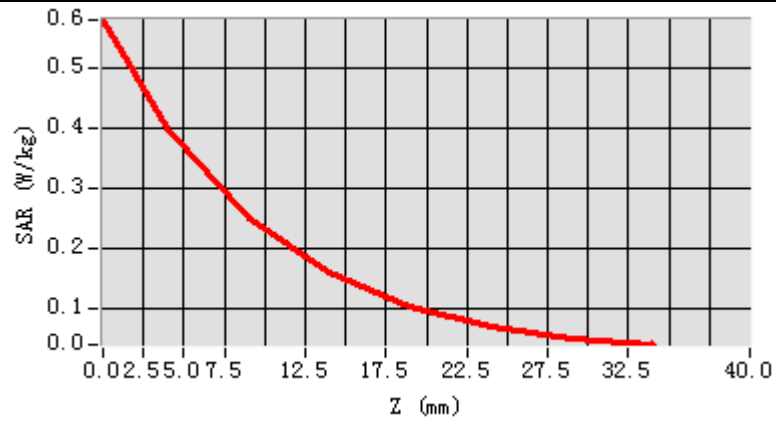


Maximum location: X=-14.00, Y=-61.00

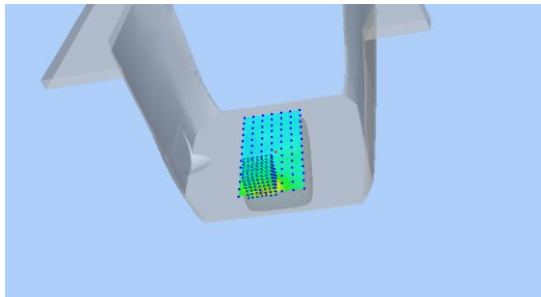
SAR Peak: 0.59 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.205813 |
| <b>SAR 1g (W/Kg)</b>  | 0.372229 |

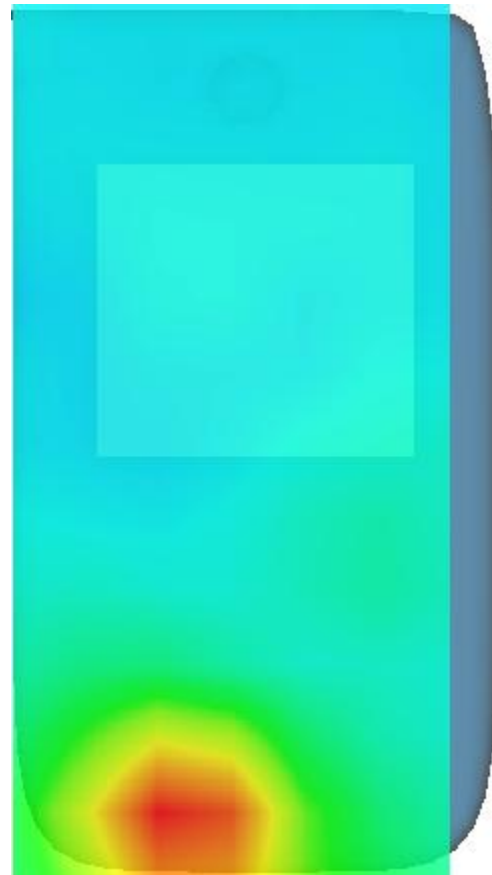
|                       |               |               |               |               |               |               |               |
|-----------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>Z (mm)</b>         | <b>0.00</b>   | <b>4.00</b>   | <b>9.00</b>   | <b>14.00</b>  | <b>19.00</b>  | <b>24.00</b>  | <b>29.00</b>  |
| <b>SAR<br/>(W/Kg)</b> | <b>0.5794</b> | <b>0.4000</b> | <b>0.2486</b> | <b>0.1579</b> | <b>0.1009</b> | <b>0.0697</b> | <b>0.0500</b> |



### 3D screen shot



### Hot spot position



## MEASUREMENT 21

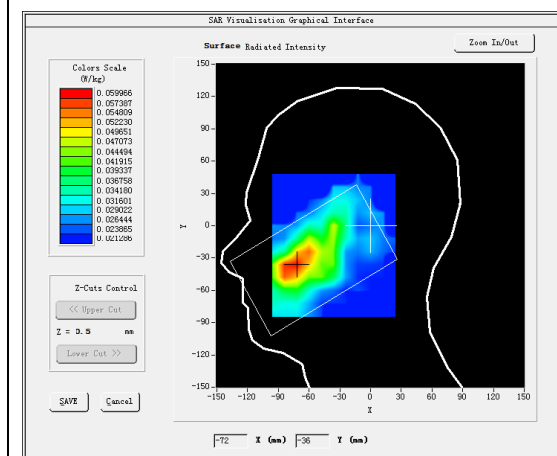
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=12mm dy=12mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>7x7x7,dx=5mm dy=5mm dz=5mm</u>  |
| <u>Phantom</u>         | <u>Left head</u>                   |
| <u>Device Position</u> | <u>Cheek</u>                       |
| <u>Band</u>            | <u>LTE band 40 B</u>               |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>LTE (Crest factor: 1.6)</u>     |

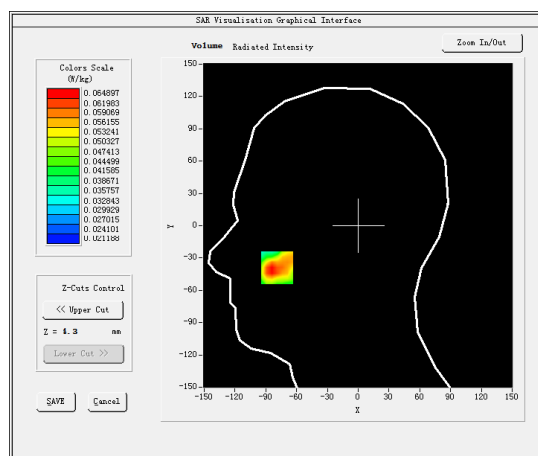
### B. SAR Measurement Results

|                                        |             |
|----------------------------------------|-------------|
| Frequency (MHz)                        | 2352.500000 |
| Relative permittivity (real part)      | 39.180123   |
| Relative permittivity (imaginary part) | 13.304633   |
| Conductivity (S/m)                     | 1.738841    |
| Variation (%)                          | 2.830000    |

#### SURFACE SAR



#### VOLUME SAR



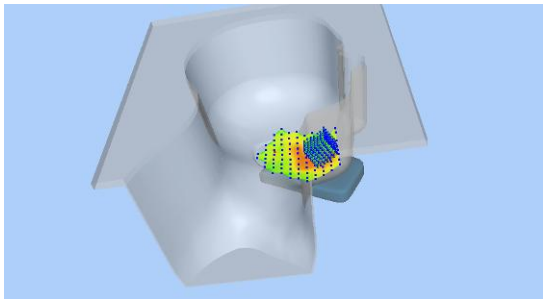
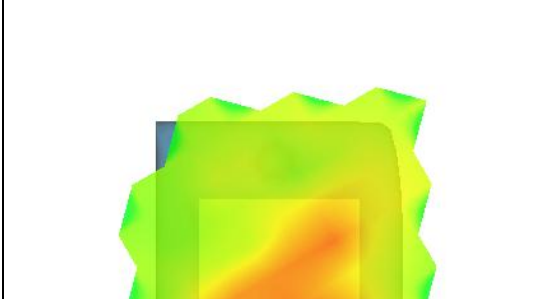
Maximum location: X=-79.00, Y=-39.00

SAR Peak: 0.09 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.040672 |
| SAR 1g (W/Kg)  | 0.058830 |

A line graph showing the Specific Absorption Rate (SAR) in W/kg as a function of distance Z in mm for a 100 MHz antenna. The y-axis ranges from 0.03 to 0.09 W/kg with major grid lines every 0.01 units. The x-axis ranges from 0.0 to 40.0 mm with major grid lines every 5.0 mm. A red line represents the SAR profile, starting at approximately 0.09 W/kg at Z=0, decreasing to about 0.065 W/kg at Z=5 mm, 0.05 W/kg at Z=10 mm, and then leveling off to approximately 0.03 W/kg for Z values greater than 25 mm.

| Z (mm) | SAR (W/kg) |
|--------|------------|
| 0.0    | 0.090      |
| 2.5    | 0.075      |
| 5.0    | 0.065      |
| 7.5    | 0.058      |
| 10.0   | 0.050      |
| 12.5   | 0.045      |
| 15.0   | 0.040      |
| 17.5   | 0.037      |
| 20.0   | 0.034      |
| 22.5   | 0.032      |
| 25.0   | 0.031      |
| 27.5   | 0.030      |
| 30.0   | 0.030      |
| 32.5   | 0.030      |
| 35.0   | 0.030      |
| 37.5   | 0.030      |
| 40.0   | 0.030      |

| 3D screen shot                                                                                                                                                                                                                                                                                                                                                                      | Hot spot position                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>A 3D perspective view of a car seat. A rectangular area on the seat's surface is highlighted with a color-coded grid, indicating a hot spot. The colors range from blue (low intensity) to red (high intensity), with a yellow-to-orange gradient in the center of the highlighted area.</p> |  <p>A 2D top-down view of the car seat. A rectangular area is highlighted with a color-coded gradient, indicating a hot spot. The colors range from blue (low intensity) to red (high intensity), with a yellow-to-orange gradient in the center of the highlighted area. The highlighted area is slightly offset from the center of the seat.</p> |

## MEASUREMENT 22

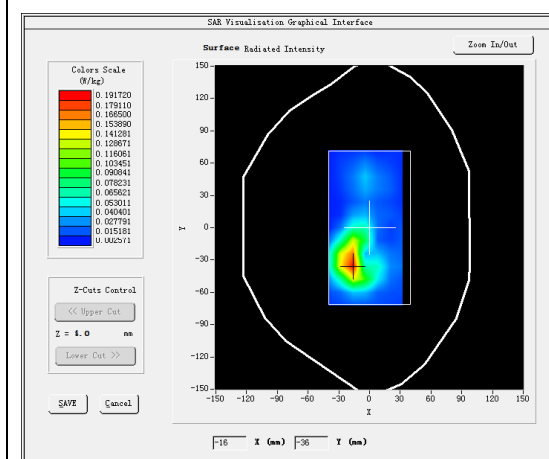
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=12mm dy=12mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>7x7x7,dx=5mm dy=5mm dz=5mm</u>  |
| <u>Phantom</u>         | <u>Validation plane</u>            |
| <u>Device Position</u> | <u>Body</u>                        |
| <u>Band</u>            | <u>LTE band 40 B</u>               |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>LTE (Crest factor: 1.6)</u>     |

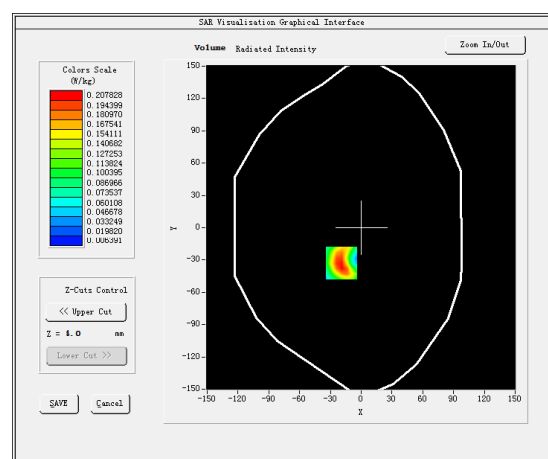
### B. SAR Measurement Results

|                                        |             |
|----------------------------------------|-------------|
| Frequency (MHz)                        | 2352.500000 |
| Relative permittivity (real part)      | 52.144800   |
| Relative permittivity (imaginary part) | 14.161020   |
| Conductivity (S/m)                     | 1.850766    |
| Variation (%)                          | -1.870000   |

#### SURFACE SAR



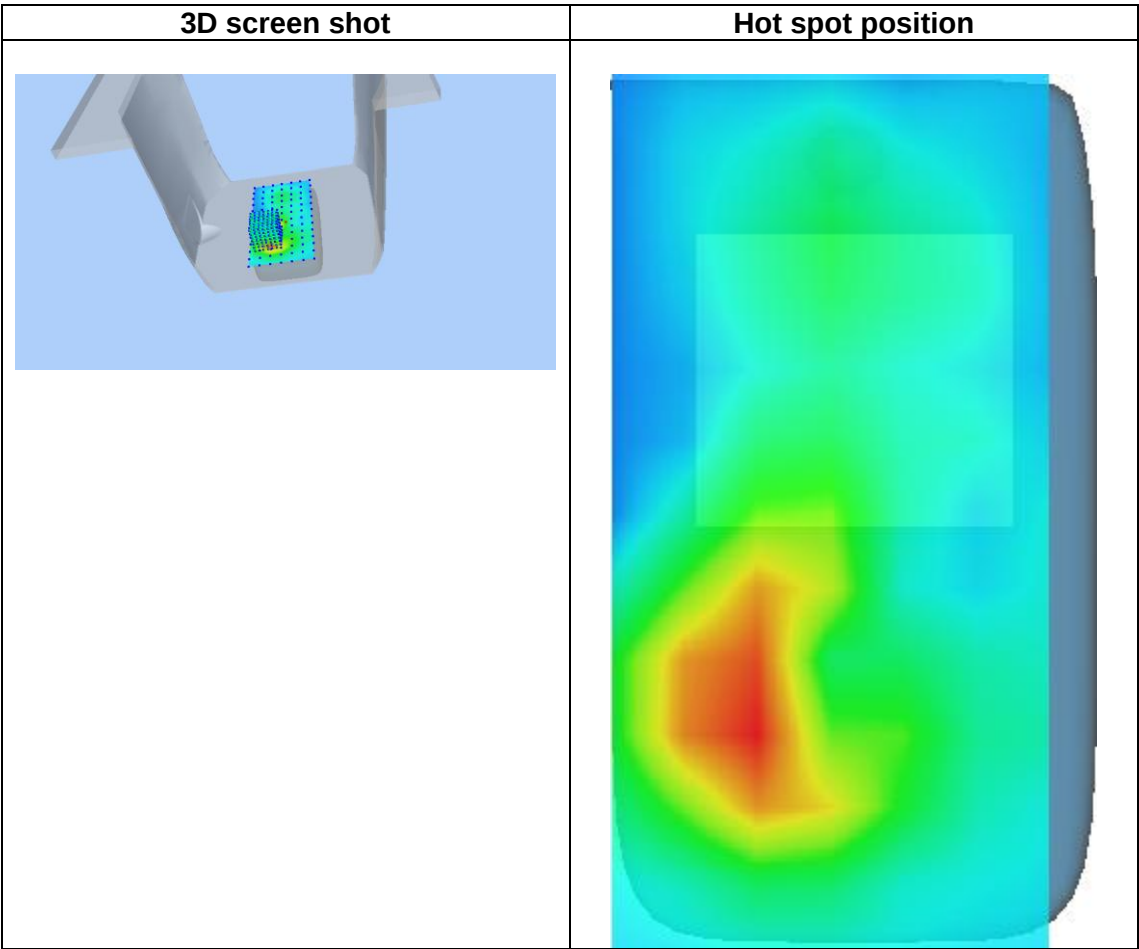
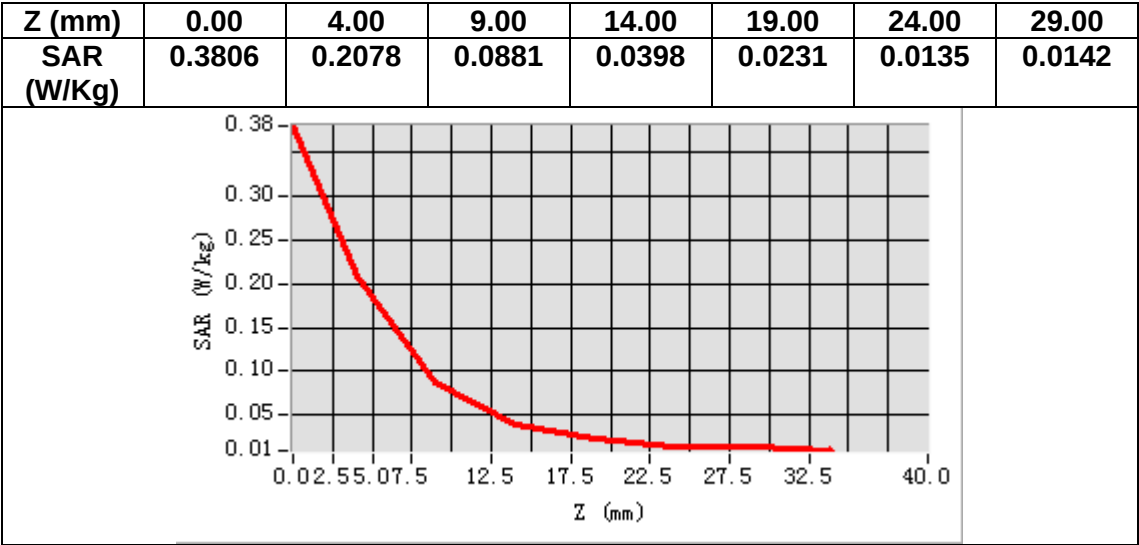
#### VOLUME SAR



Maximum location: X=-19.00, Y=-33.00

SAR Peak: 0.36 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.145138 |
| SAR 1g (W/Kg)  | 0.240618 |



## MEASUREMENT 23

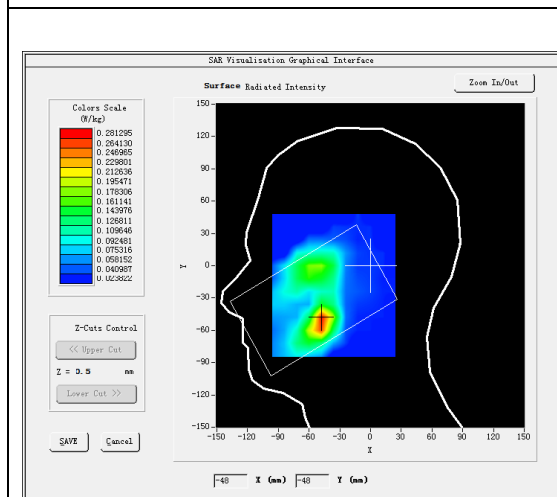
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <u>Area Scan</u>       | <u>dx=12mm dy=12mm, h= 5.00 mm</u> |
| <u>ZoomScan</u>        | <u>7x7x7,dx=5mm dy=5mm dz=5mm</u>  |
| <u>Phantom</u>         | <u>Left head</u>                   |
| <u>Device Position</u> | <u>Cheek</u>                       |
| <u>Band</u>            | <u>LTE band 41</u>                 |
| <u>Channels</u>        | <u>Middle</u>                      |
| <u>Signal</u>          | <u>LTE (Crest factor: 1.6)</u>     |

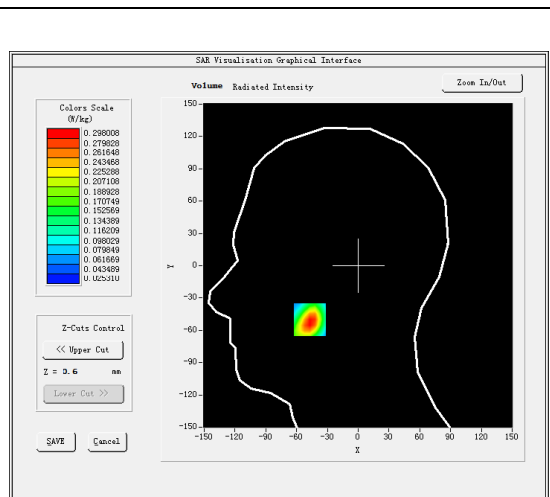
### B. SAR Measurement Results

|                                        |             |
|----------------------------------------|-------------|
| Frequency (MHz)                        | 2593.000000 |
| Relative permittivity (real part)      | 39.023986   |
| Relative permittivity (imaginary part) | 13.674760   |
| Conductivity (S/m)                     | 1.969925    |
| Variation (%)                          | -1.880000   |

#### SURFACE SAR



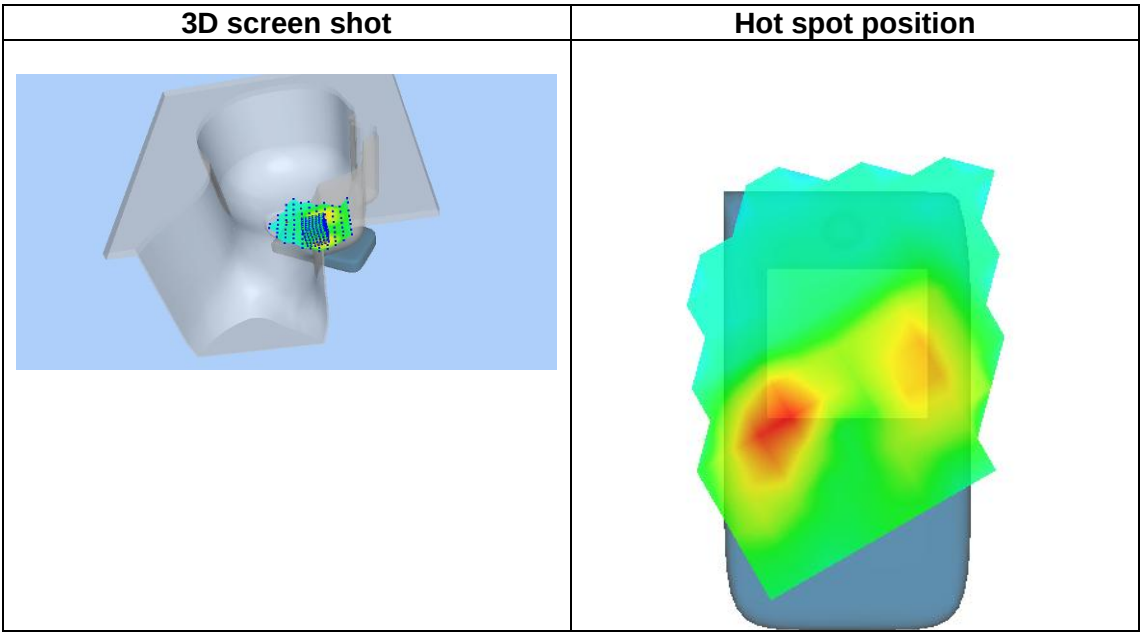
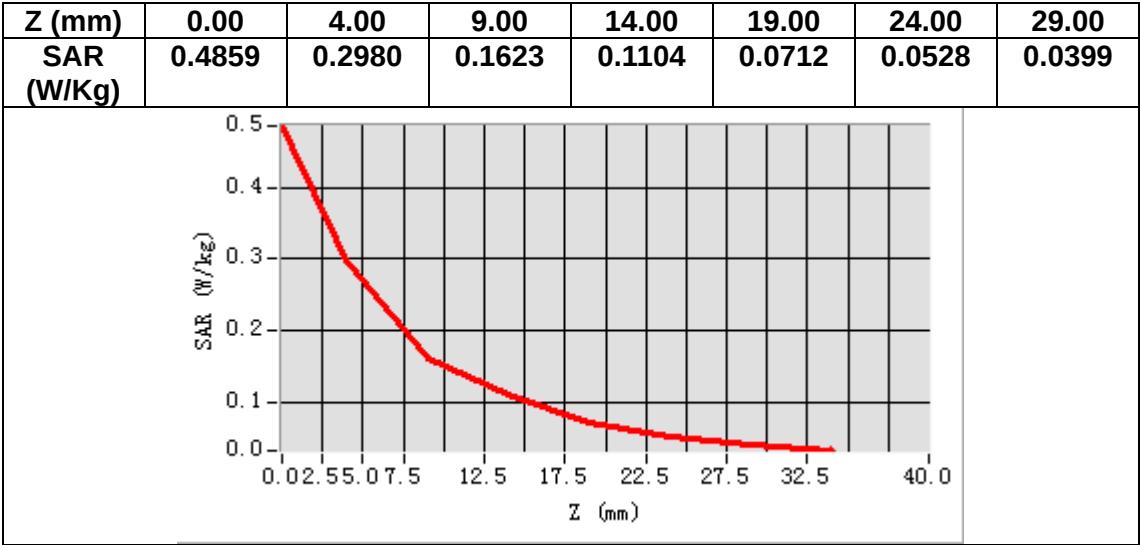
#### VOLUME SAR



Maximum location: X=-47.00, Y=-50.00

SAR Peak: 0.45 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.106518 |
| SAR 1g (W/Kg)  | 0.175092 |



## MEASUREMENT 24

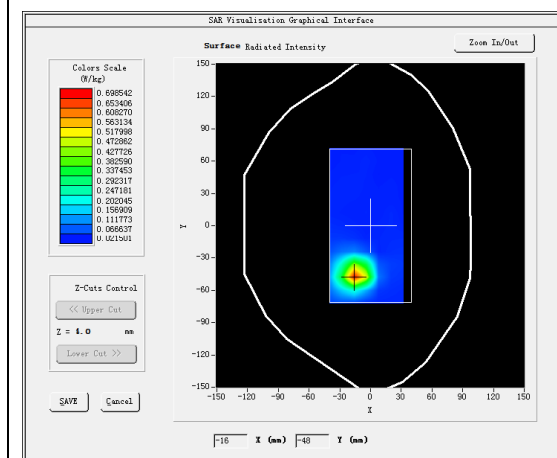
### A. Experimental conditions.

|                        |                                    |
|------------------------|------------------------------------|
| <b>Area Scan</b>       | <u>dx=12mm dy=12mm, h= 5.00 mm</u> |
| <b>ZoomScan</b>        | <u>7x7x7,dx=5mm dy=5mm dz=5mm</u>  |
| <b>Phantom</b>         | <u>Validation plane</u>            |
| <b>Device Position</b> | <u>Body</u>                        |
| <b>Band</b>            | <u>LTE band 41</u>                 |
| <b>Channels</b>        | <u>Middle</u>                      |
| <b>Signal</b>          | <u>LTE (Crest factor: 1.6)</u>     |

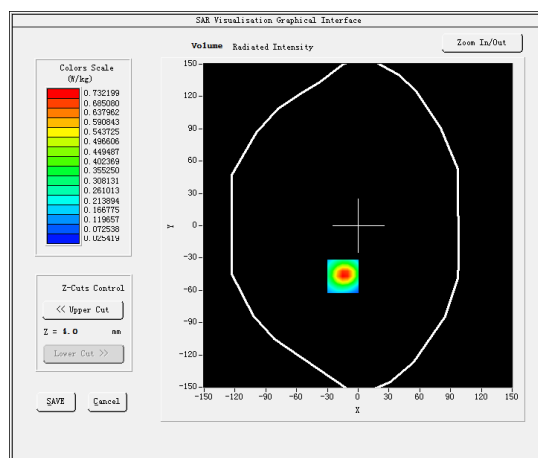
### B. SAR Measurement Results

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 2593.000000 |
| <b>Relative permittivity (real part)</b>      | 53.225446   |
| <b>Relative permittivity (imaginary part)</b> | 15.071440   |
| <b>Conductivity (S/m)</b>                     | 2.171125    |
| <b>Variation (%)</b>                          | -3.760000   |

#### SURFACE SAR



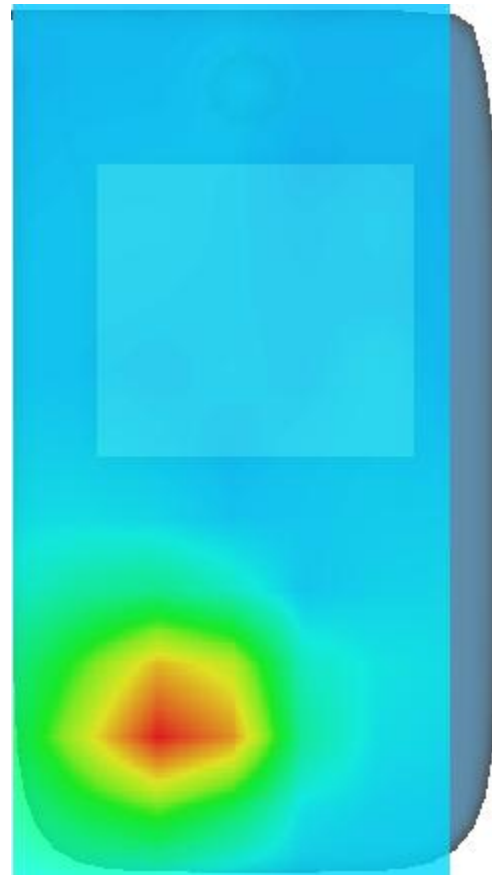
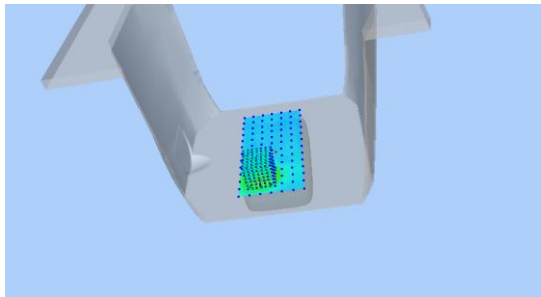
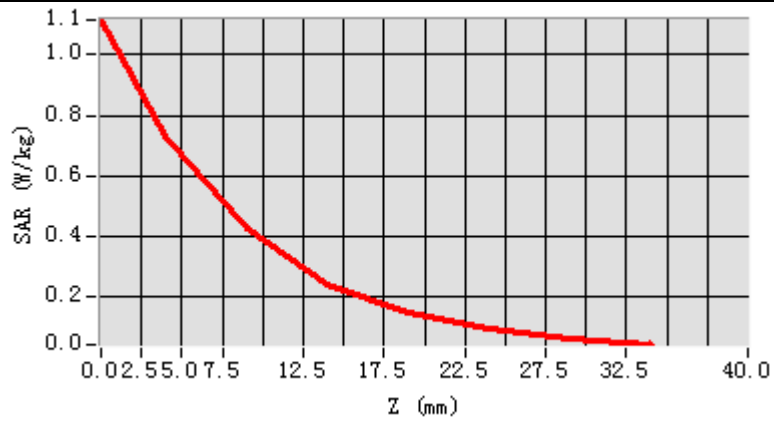
#### VOLUME SAR



Maximum location: X=-15.00, Y=-47.00

SAR Peak: 1.14 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.328279 |
| <b>SAR 1g (W/Kg)</b>  | 0.572920 |



## MEASUREMENT 25

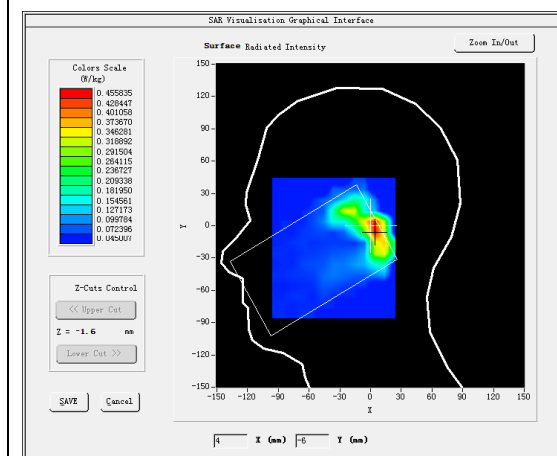
### A. Experimental conditions.

|                        |                                        |
|------------------------|----------------------------------------|
| <b>Area Scan</b>       | <u>dx=10mm dy=10mm, h= 2.00 mm</u>     |
| <b>ZoomScan</b>        | <u>7x7x12,dx=4mm dy=4mm dz=2mm</u>     |
| <b>Phantom</b>         | <u>Left head</u>                       |
| <b>Device Position</b> | <u>Cheek</u>                           |
| <b>Band</b>            | <u>IEEE 802.11a U-NII</u>              |
| <b>Channels</b>        | <u>Middle</u>                          |
| <b>Signal</b>          | <u>IEEE802.11a (Crest factor: 1.0)</u> |

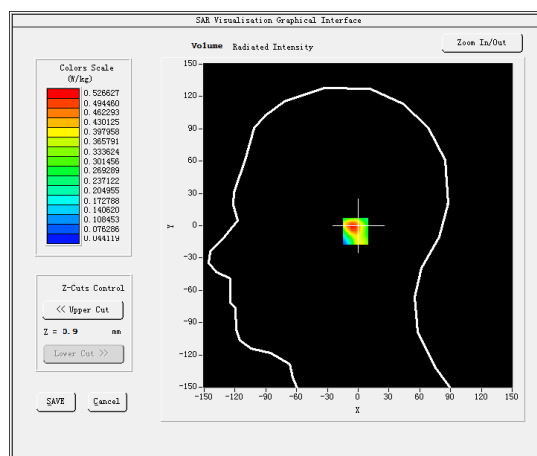
### B. SAR Measurement Results

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 5200.000000 |
| <b>Relative permittivity (real part)</b>      | 35.942982   |
| <b>Relative permittivity (imaginary part)</b> | 15.941619   |
| <b>Conductivity (S/m)</b>                     | 4.605357    |
| <b>Variation (%)</b>                          | -1.570000   |

#### SURFACE SAR



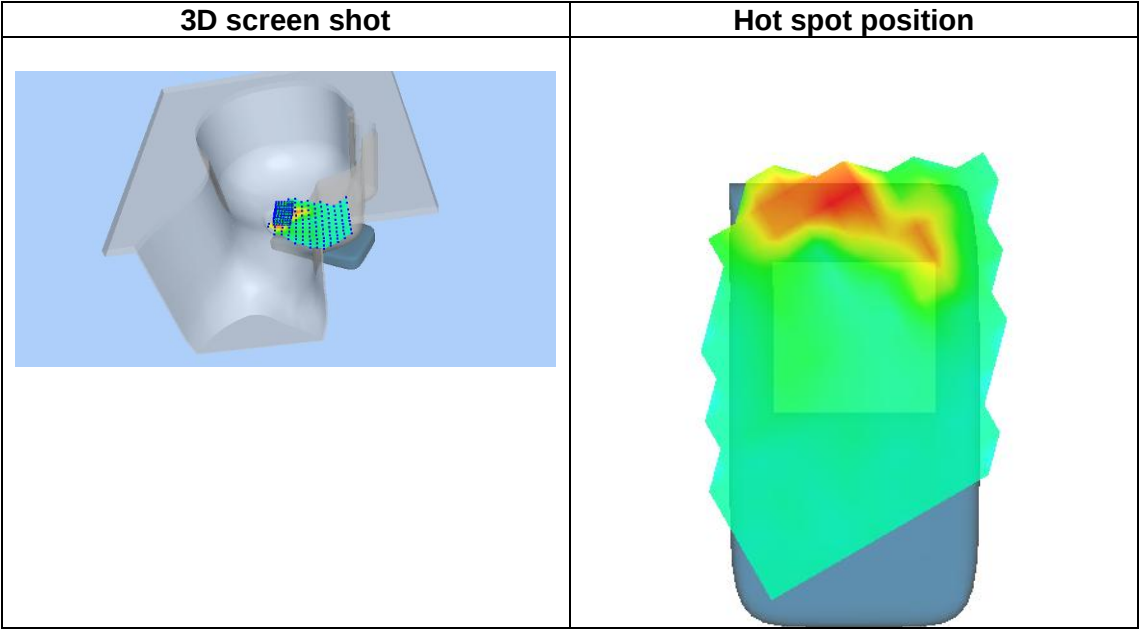
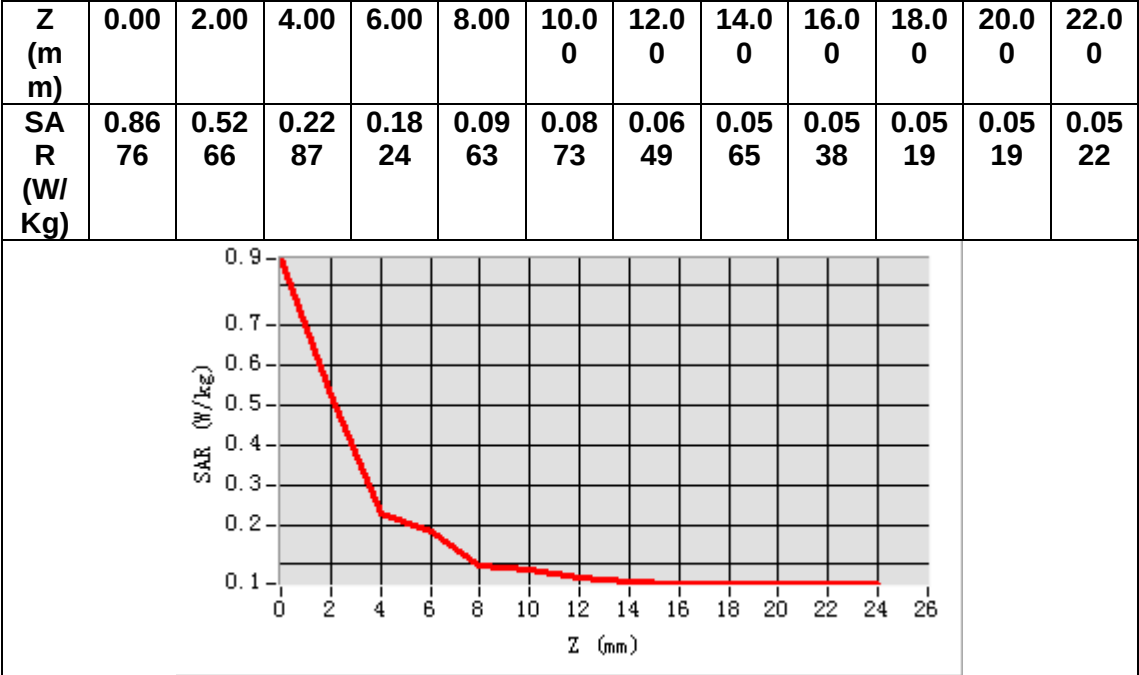
#### VOLUME SAR



Maximum location: X=5.00, Y=-5.00

SAR Peak: 1.29 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.213354 |
| <b>SAR 1g (W/Kg)</b>  | 0.503776 |



## MEASUREMENT 26

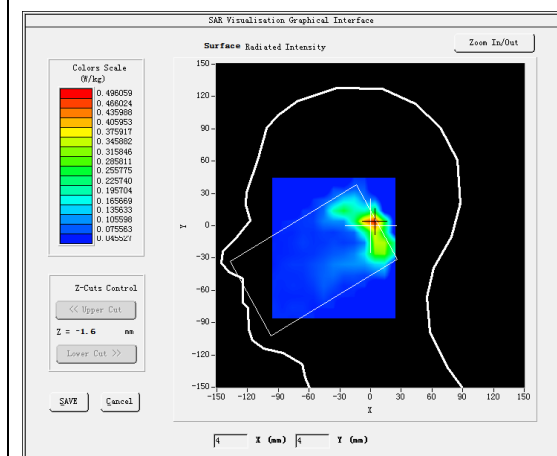
### A. Experimental conditions.

|                        |                                        |
|------------------------|----------------------------------------|
| <u>Area Scan</u>       | <u>dx=10mm dy=10mm, h= 2.00 mm</u>     |
| <u>ZoomScan</u>        | <u>7x7x12,dx=4mm dy=4mm dz=2mm</u>     |
| <u>Phantom</u>         | <u>Left head</u>                       |
| <u>Device Position</u> | <u>Cheek</u>                           |
| <u>Band</u>            | <u>IEEE 802.11a U-NII</u>              |
| <u>Channels</u>        | <u>Middle</u>                          |
| <u>Signal</u>          | <u>IEEE802.11a (Crest factor: 1.0)</u> |

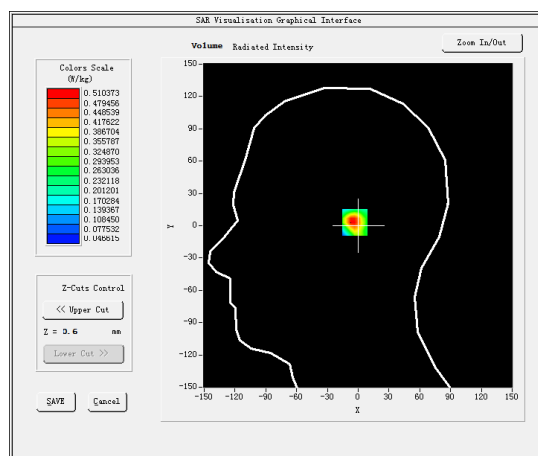
### B. SAR Measurement Results

|                                        |             |
|----------------------------------------|-------------|
| Frequency (MHz)                        | 5280.000000 |
| Relative permittivity (real part)      | 35.940132   |
| Relative permittivity (imaginary part) | 16.296669   |
| Conductivity (S/m)                     | 4.780356    |
| Variation (%)                          | -2.430000   |

#### SURFACE SAR



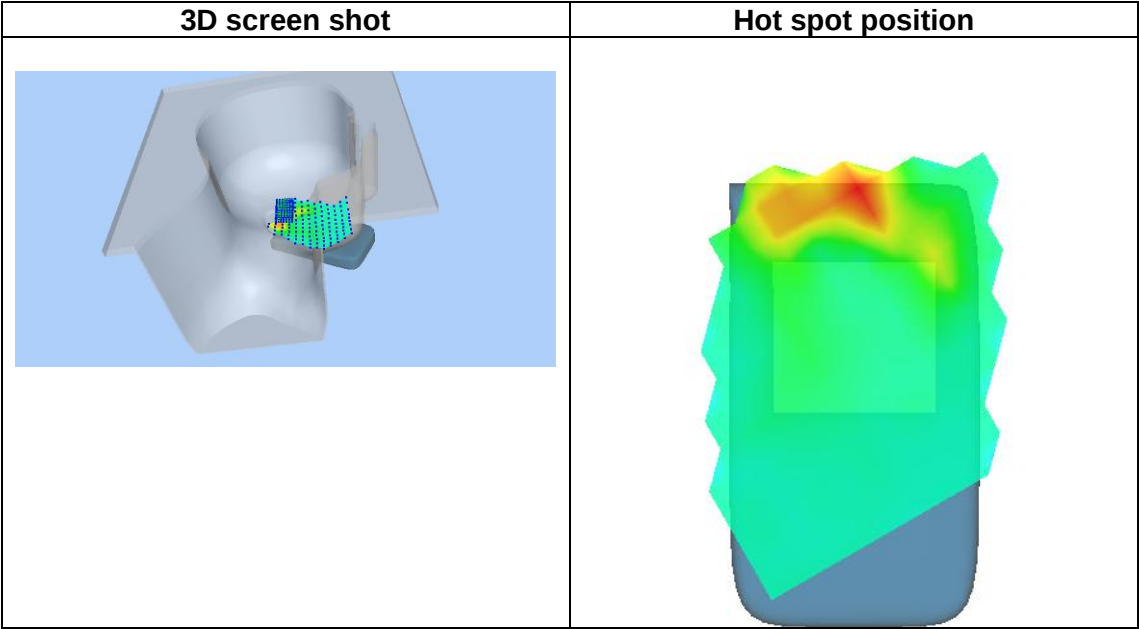
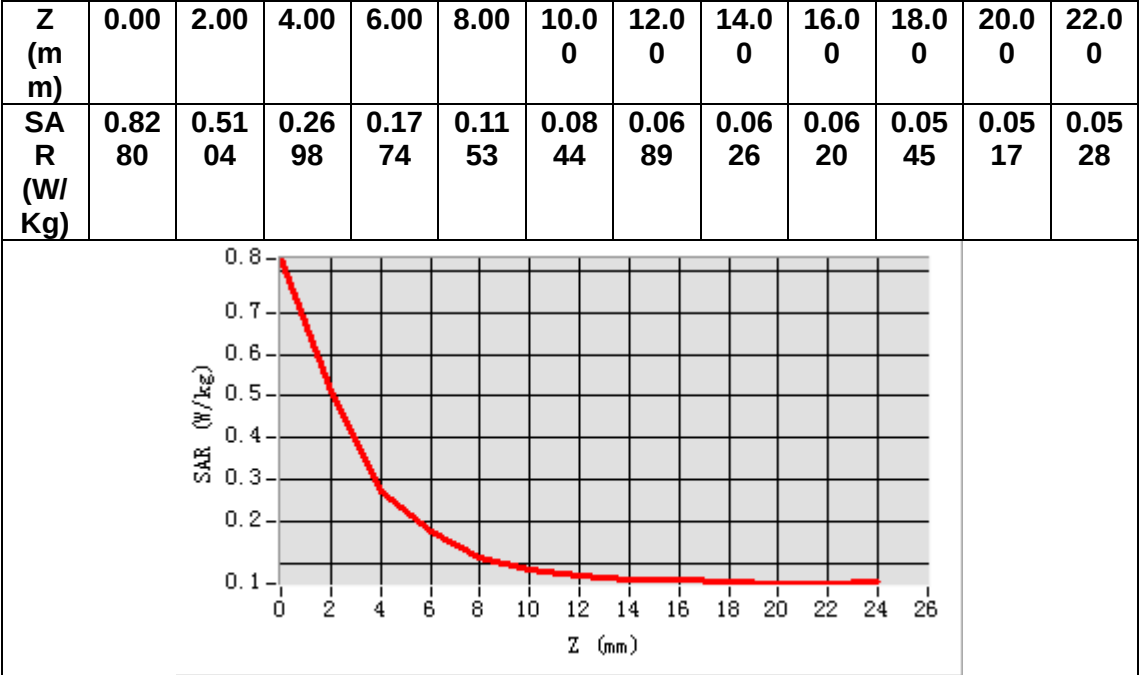
#### VOLUME SAR



Maximum location: X=2.00, Y=3.00

SAR Peak: 1.28 W/kg

|                |          |
|----------------|----------|
| SAR 10g (W/Kg) | 0.205844 |
| SAR 1g (W/Kg)  | 0.506158 |



## MEASUREMENT 27

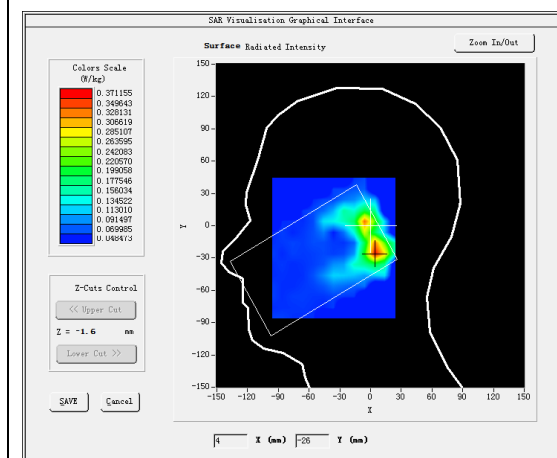
### A. Experimental conditions.

|                        |                                        |
|------------------------|----------------------------------------|
| <b>Area Scan</b>       | <u>dx=10mm dy=10mm, h= 2.00 mm</u>     |
| <b>ZoomScan</b>        | <u>7x7x12,dx=4mm dy=4mm dz=2mm</u>     |
| <b>Phantom</b>         | <u>Left head</u>                       |
| <b>Device Position</b> | <u>Cheek</u>                           |
| <b>Band</b>            | <u>IEEE 802.11a U-NII</u>              |
| <b>Channels</b>        | <u>Middle</u>                          |
| <b>Signal</b>          | <u>IEEE802.11a (Crest factor: 1.0)</u> |

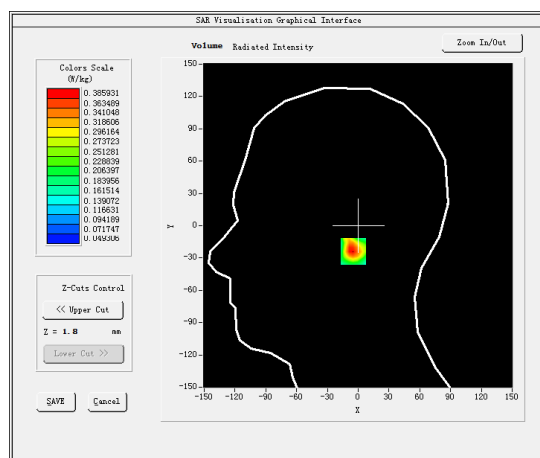
### B. SAR Measurement Results

|                                               |             |
|-----------------------------------------------|-------------|
| <b>Frequency (MHz)</b>                        | 5580.000000 |
| <b>Relative permittivity (real part)</b>      | 35.748134   |
| <b>Relative permittivity (imaginary part)</b> | 16.291669   |
| <b>Conductivity (S/m)</b>                     | 5.050417    |
| <b>Variation (%)</b>                          | -0.580000   |

#### SURFACE SAR



#### VOLUME SAR



Maximum location: X=5.00, Y=-24.00

SAR Peak: 0.99 W/kg

|                       |          |
|-----------------------|----------|
| <b>SAR 10g (W/Kg)</b> | 0.174551 |
| <b>SAR 1g (W/Kg)</b>  | 0.393953 |

