

## **ATTACHMENT O – SAR TEST PLOTS (2 of 3)**

SAR Measurement Report

## SAR TEST DATA SUMMARY

|                       |            |                            |           |
|-----------------------|------------|----------------------------|-----------|
| Simulant Liquid :     | Head       | Ambient Temperature (°C) : | 22.3      |
| Dielectric Constant : | 38.6       | Relative Humidity (%) :    | 47        |
| Conductivity (S/m) :  | 1.44       |                            |           |
| Phantom Model :       | Left SAM   | Place of Measurement :     | HCT       |
| Test Date :           | 2005-05-02 | Measuring Equipment :      | ESSAY-III |

**DUT**

|                   |        |
|-------------------|--------|
| Model             | X101   |
| Power (dBm) :     | 30     |
| Frequency (MHz) : | 1850.2 |
| Serial No.        | #1     |

**Probe**

|                     |               |
|---------------------|---------------|
| Model               | ET20-MAR-0026 |
| Offset (mm) :       | 2.25          |
| Conversion Factor : | 4.23          |
| Duty Factor :       | 8             |

**Reference Point SAR(W/kg) in Medium**

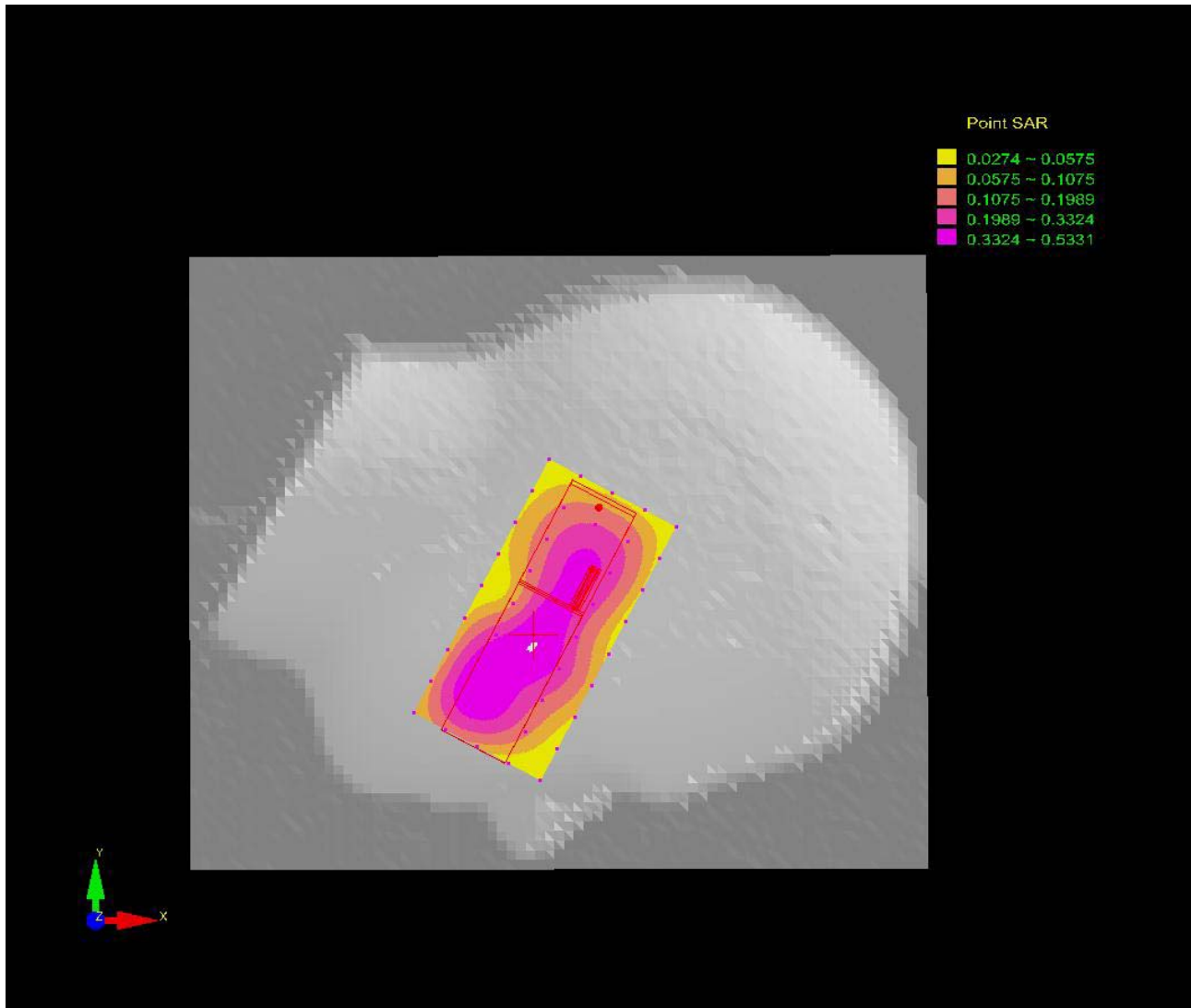
Before Scanning : 0.56854      After Scanning : 0.55658      Drift : -2.103 %

**Measurement Result (W/kg)**

Averaged 1g SAR : 0.565      Averaged 10g SAR : 0.324

**Notes :**

FCC ID : SY6X101  
Company : Bellwave Co., Ltd.  
Test Position : Left Touch / Antenna : Fixed  
Mode : GSM1900 / Channel : 512  
Liquid Temperature : 21.8°C



SAR Measurement Report

## SAR TEST DATA SUMMARY

Simulant Liquid : Head  
Dielectric Constant : 38.6  
Conductivity (S/m) : 1.44  
Phantom Model : Left SAM  
Test Date : 2005-05-02

Ambient Temperature (°C) : 22.3  
Relative Humidity (%) : 47  
Place of Measurement : HCT  
Measuring Equipment : ESSAY-III

**DUT**

Model : X101  
Power (dBm) : 30  
Frequency (MHz) : 1880.0  
Serial No. : #1

**Probe**

Model : ET20-MAR-0026  
Offset (mm) : 2.25  
Conversion Factor : 4.23  
Duty Factor : 8

**Reference Point SAR(W/kg) in Medium**

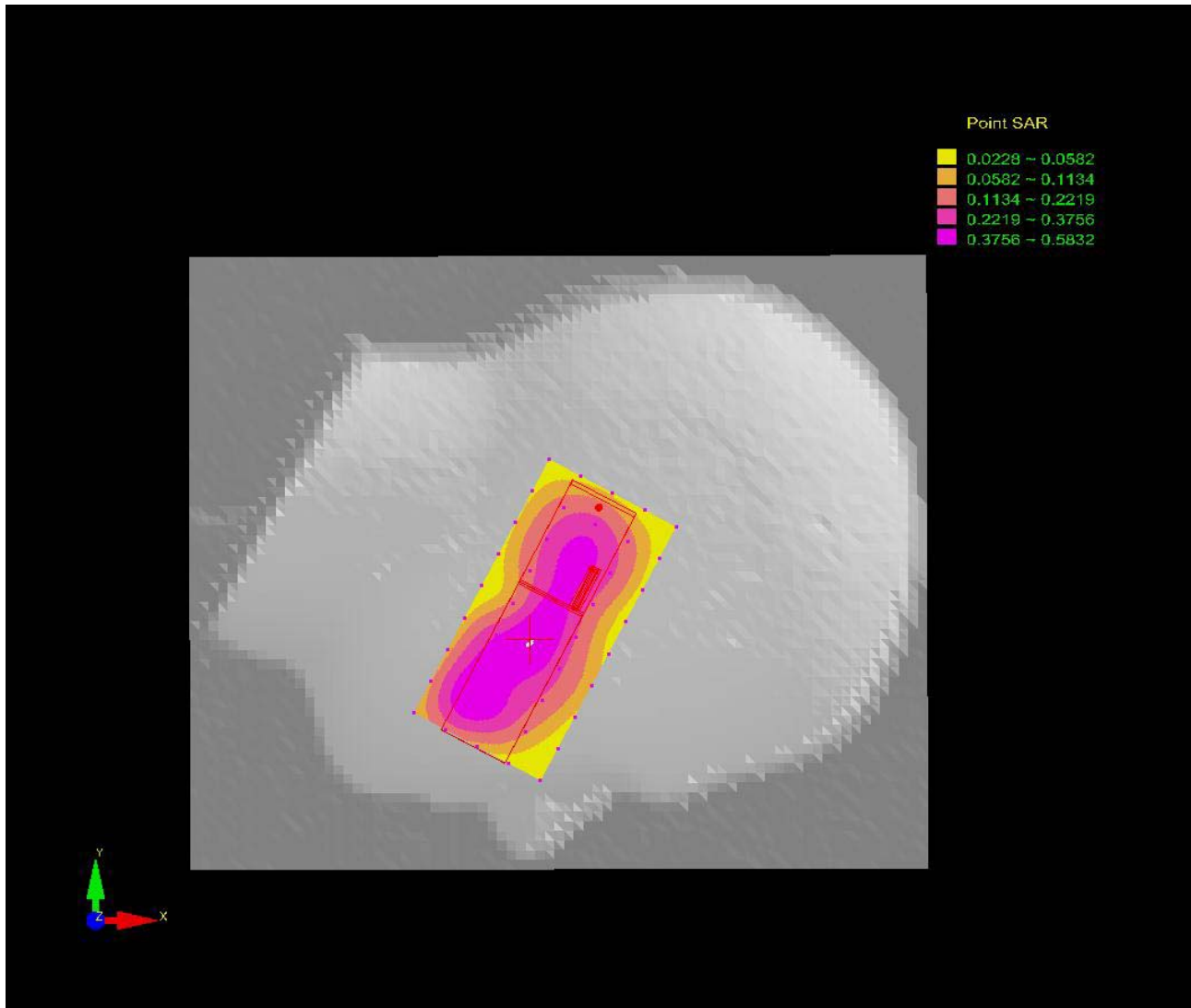
Before Scanning : 0.59575      After Scanning : 0.61703      Drift : +3.571 %

**Measurement Result (W/kg)**

Averaged 1g SAR : 0.618      Averaged 10g SAR : 0.323

**Notes :**

FCC ID : SY6X101  
Company : Bellwave Co., Ltd.  
Test Position : Left Touch / Antenna : Fixed  
Mode : GSM1900 / Channel : 661  
Liquid Temperature : 21.8°C



SAR Measurement Report

## SAR TEST DATA SUMMARY

|                       |            |                            |           |
|-----------------------|------------|----------------------------|-----------|
| Simulant Liquid :     | Head       | Ambient Temperature (°C) : | 22.3      |
| Dielectric Constant : | 38.6       | Relative Humidity (%) :    | 47        |
| Conductivity (S/m) :  | 1.44       |                            |           |
| Phantom Model :       | Left SAM   | Place of Measurement :     | HCT       |
| Test Date :           | 2005-05-02 | Measuring Equipment :      | ESSAY-III |

**DUT**

|                   |        |
|-------------------|--------|
| Model             | X101   |
| Power (dBm) :     | 30     |
| Frequency (MHz) : | 1909.8 |
| Serial No.        | #1     |

**Probe**

|                     |               |
|---------------------|---------------|
| Model               | ET20-MAR-0026 |
| Offset (mm) :       | 2.25          |
| Conversion Factor : | 4.23          |
| Duty Factor :       | 8             |

**Reference Point SAR(W/kg) in Medium**

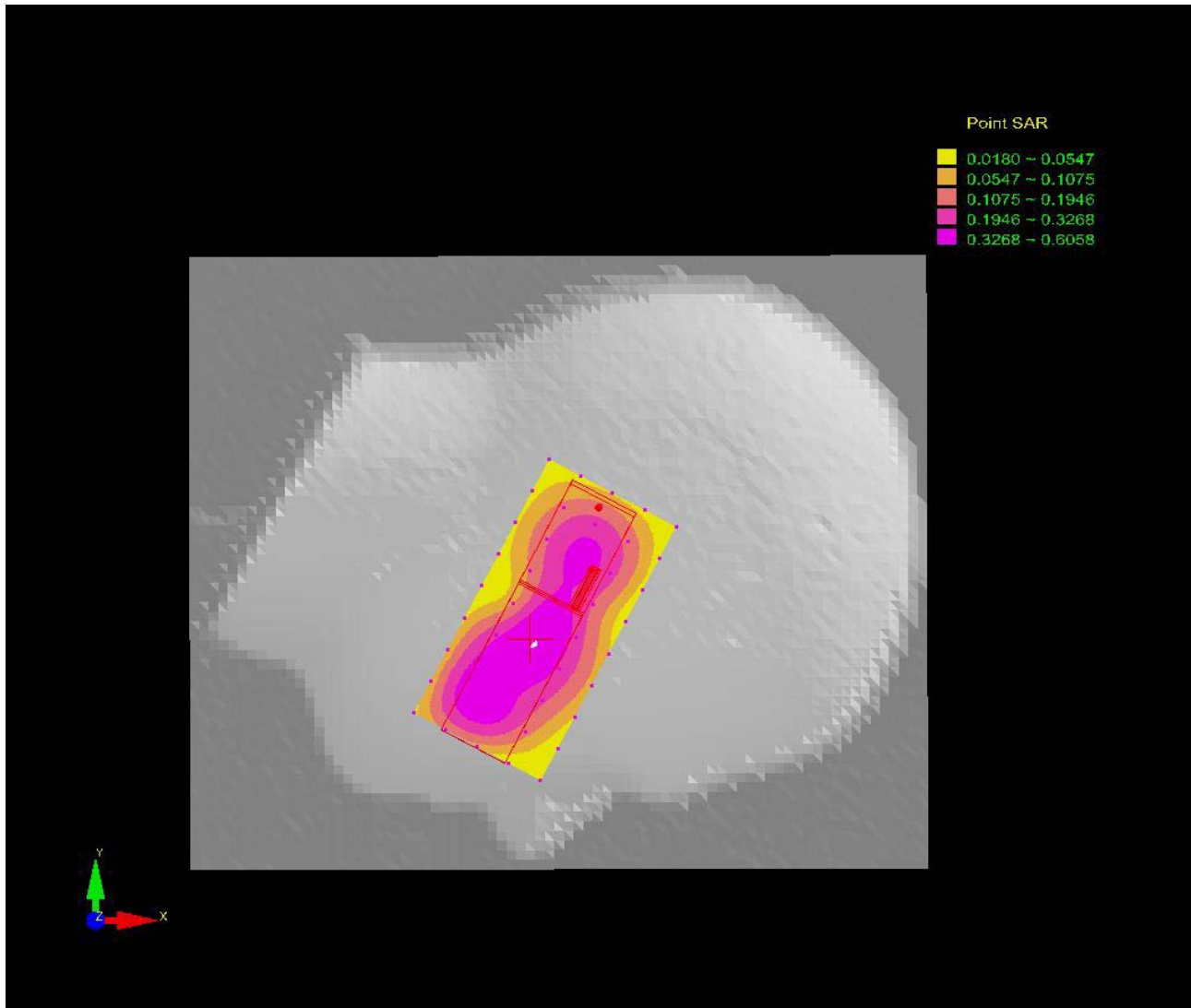
Before Scanning : 0.61643      After Scanning : 0.62540      Drift : +1.455 %

**Measurement Result (W/kg)**

Averaged 1g SAR : **0.634**      Averaged 10g SAR : **0.333**

**Notes :**

FCC ID : SY6X101  
Company : Bellwave Co., Ltd.  
Test Position : Left Touch / Antenna : Fixed  
Mode : GSM1900 / Channel : 810  
Liquid Temperature : 21.8°C



SAR Measurement Report

## SAR TEST DATA SUMMARY

|                       |            |                            |           |
|-----------------------|------------|----------------------------|-----------|
| Simulant Liquid :     | Head       | Ambient Temperature (°C) : | 22.3      |
| Dielectric Constant : | 38.6       | Relative Humidity (%) :    | 47        |
| Conductivity (S/m) :  | 1.44       |                            |           |
| Phantom Model :       | Right SAM  | Place of Measurement :     | HCT       |
| Test Date :           | 2005-05-02 | Measuring Equipment :      | ESSAY-III |

**DUT**

|                   |        |
|-------------------|--------|
| Model             | X101   |
| Power (dBm) :     | 30     |
| Frequency (MHz) : | 1850.2 |
| Serial No.        | #1     |

**Probe**

|                     |               |
|---------------------|---------------|
| Model               | ET20-MAR-0026 |
| Offset (mm) :       | 2.25          |
| Conversion Factor : | 4.23          |
| Duty Factor :       | 8             |

**Reference Point SAR(W/kg) in Medium**

|                   |         |                  |         |         |          |
|-------------------|---------|------------------|---------|---------|----------|
| Before Scanning : | 0.51929 | After Scanning : | 0.50733 | Drift : | -2.304 % |
|-------------------|---------|------------------|---------|---------|----------|

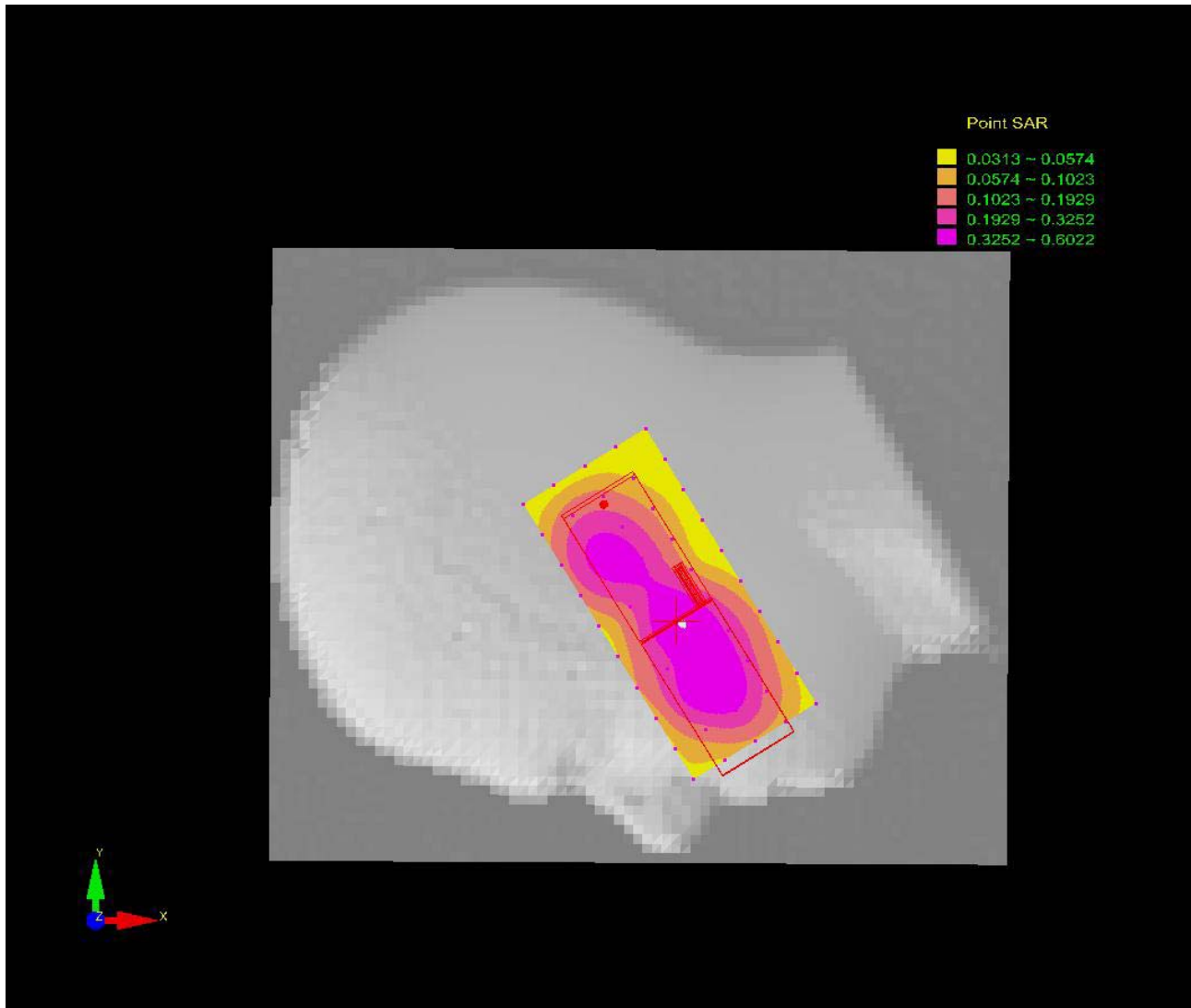
**Measurement Result (W/kg)**

|                   |              |                    |              |
|-------------------|--------------|--------------------|--------------|
| Averaged 1g SAR : | <b>0.593</b> | Averaged 10g SAR : | <b>0.324</b> |
|-------------------|--------------|--------------------|--------------|

**Notes :**

FCC ID : SY6X101  
Company : Bellwave Co., Ltd.  
Test Position : Right Touch / Antenna : Fixed  
Mode : GSM1900 / Channel : 512  
Liquid Temperature : 21.8°C





SAR Measurement Report

## SAR TEST DATA SUMMARY

|                       |            |                            |           |
|-----------------------|------------|----------------------------|-----------|
| Simulant Liquid :     | Head       | Ambient Temperature (°C) : | 22.3      |
| Dielectric Constant : | 38.6       | Relative Humidity (%) :    | 47        |
| Conductivity (S/m) :  | 1.44       |                            |           |
| Phantom Model :       | Right SAM  | Place of Measurement :     | HCT       |
| Test Date :           | 2005-05-02 | Measuring Equipment :      | ESSAY-III |

**DUT**

|                   |        |
|-------------------|--------|
| Model             | X101   |
| Power (dBm) :     | 30     |
| Frequency (MHz) : | 1880.0 |
| Serial No.        | #1     |

**Probe**

|                     |               |
|---------------------|---------------|
| Model               | ET20-MAR-0026 |
| Offset (mm) :       | 2.25          |
| Conversion Factor : | 4.23          |
| Duty Factor :       | 8             |

**Reference Point SAR(W/kg) in Medium**

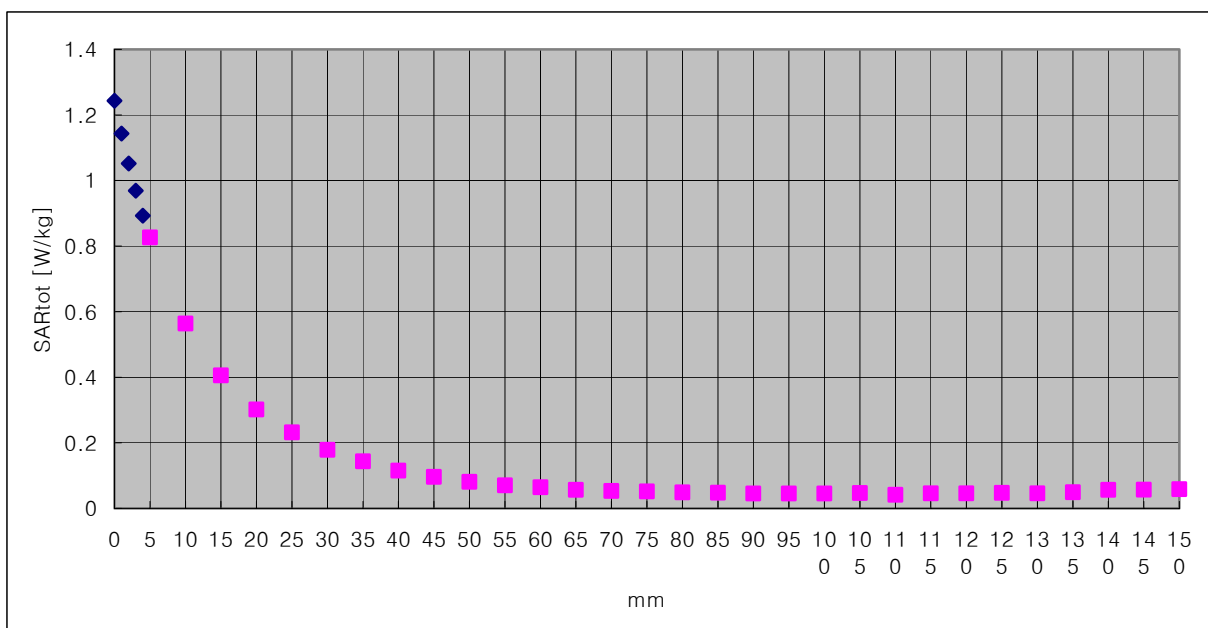
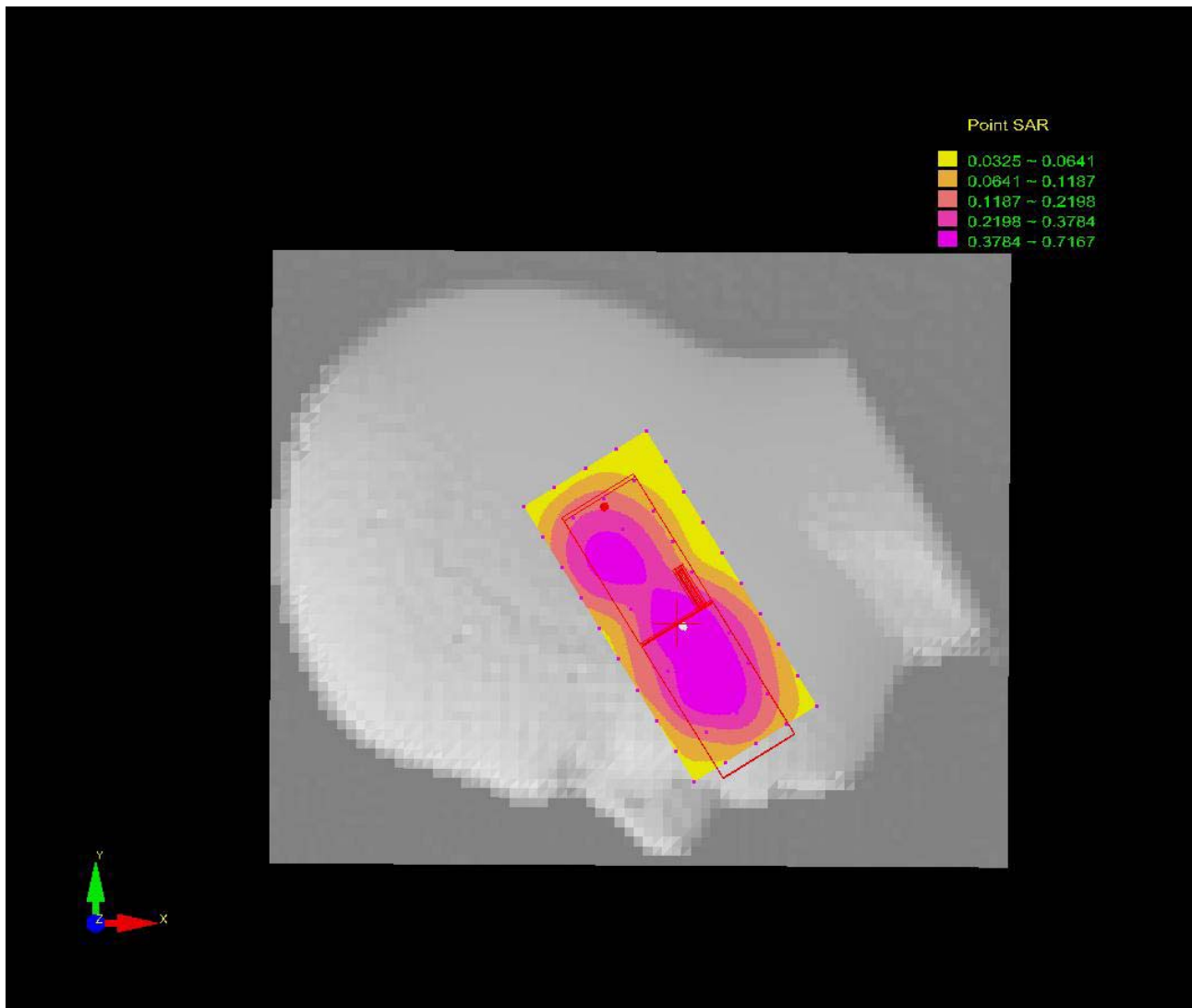
Before Scanning : 0.61286      After Scanning : 0.63564      Drift : +3.718 %

**Measurement Result (W/kg)**

Averaged 1g SAR : **0.707**      Averaged 10g SAR : **0.383**

**Notes :**

FCC ID : SY6X101  
Company : Bellwave Co., Ltd.  
Test Position : Right Touch / Antenna : Fixed  
Mode : GSM1900 / Channel : 661  
Liquid Temperature : 21.8°C



SAR Measurement Report

## SAR TEST DATA SUMMARY

|                       |            |                            |           |
|-----------------------|------------|----------------------------|-----------|
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| Dielectric Constant : | 38.6       | Relative Humidity (%) :    | 47        |
| Conductivity (S/m) :  | 1.44       |                            |           |
| Phantom Model :       | Right SAM  | Place of Measurement :     | HCT       |
| Test Date :           | 2005-05-02 | Measuring Equipment :      | ESSAY-III |

**DUT**

|                   |        |
|-------------------|--------|
| Model             | X101   |
| Power (dBm) :     | 30     |
| Frequency (MHz) : | 1909.8 |
| Serial No.        | #1     |

**Probe**

|                     |               |
|---------------------|---------------|
| Model               | ET20-MAR-0026 |
| Offset (mm) :       | 2.25          |
| Conversion Factor : | 4.23          |
| Duty Factor :       | 8             |

**Reference Point SAR(W/kg) in Medium**

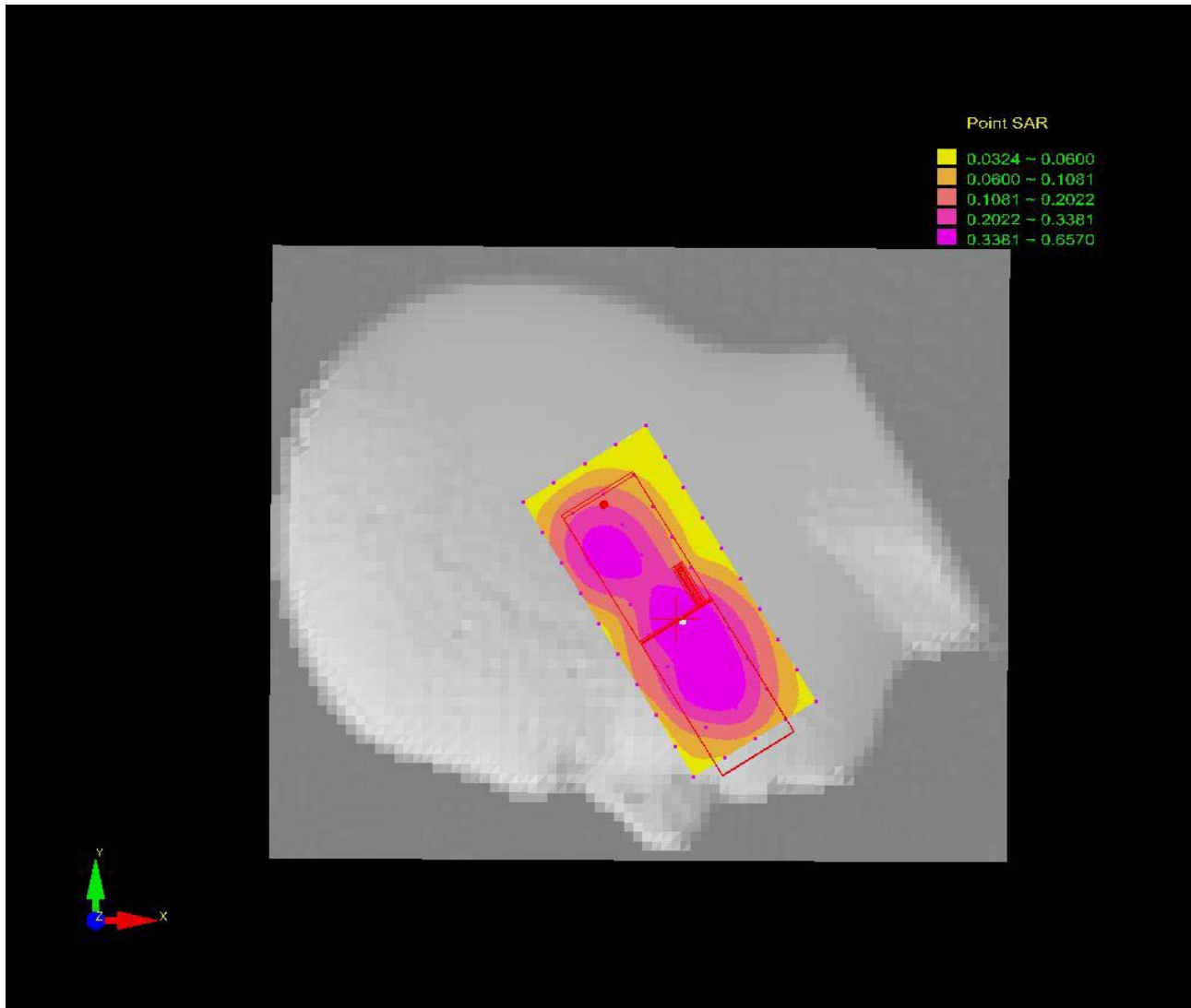
Before Scanning : 0.56568      After Scanning : 0.57140      Drift : +1.012 %

**Measurement Result (W/kg)**

Averaged 1g SAR : 0.642      Averaged 10g SAR : 0.342

**Notes :**

FCC ID : SY6X101  
Company : Bellwave Co., Ltd.  
Test Position : Right Touch / Antenna : Fixed  
Mode : GSM1900 / Channel : 810  
Liquid Temperature : 21.8°C



SAR Measurement Report

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|-----------------------|------------|----------------------------|-----------|
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| Dielectric Constant : | 38.6       | Relative Humidity (%) :    | 47        |
| Conductivity (S/m) :  | 1.44       |                            |           |
| Phantom Model :       | Left SAM   | Place of Measurement :     | HCT       |
| Test Date :           | 2005-05-02 | Measuring Equipment :      | ESSAY-III |

**DUT**

|                   |        |
|-------------------|--------|
| Model             | X101   |
| Power (dBm) :     | 30     |
| Frequency (MHz) : | 1880.0 |
| Serial No.        | #1     |

**Probe**

|                     |               |
|---------------------|---------------|
| Model               | ET20-MAR-0026 |
| Offset (mm) :       | 2.25          |
| Conversion Factor : | 4.23          |
| Duty Factor :       | 8             |

**Reference Point SAR(W/kg) in Medium**

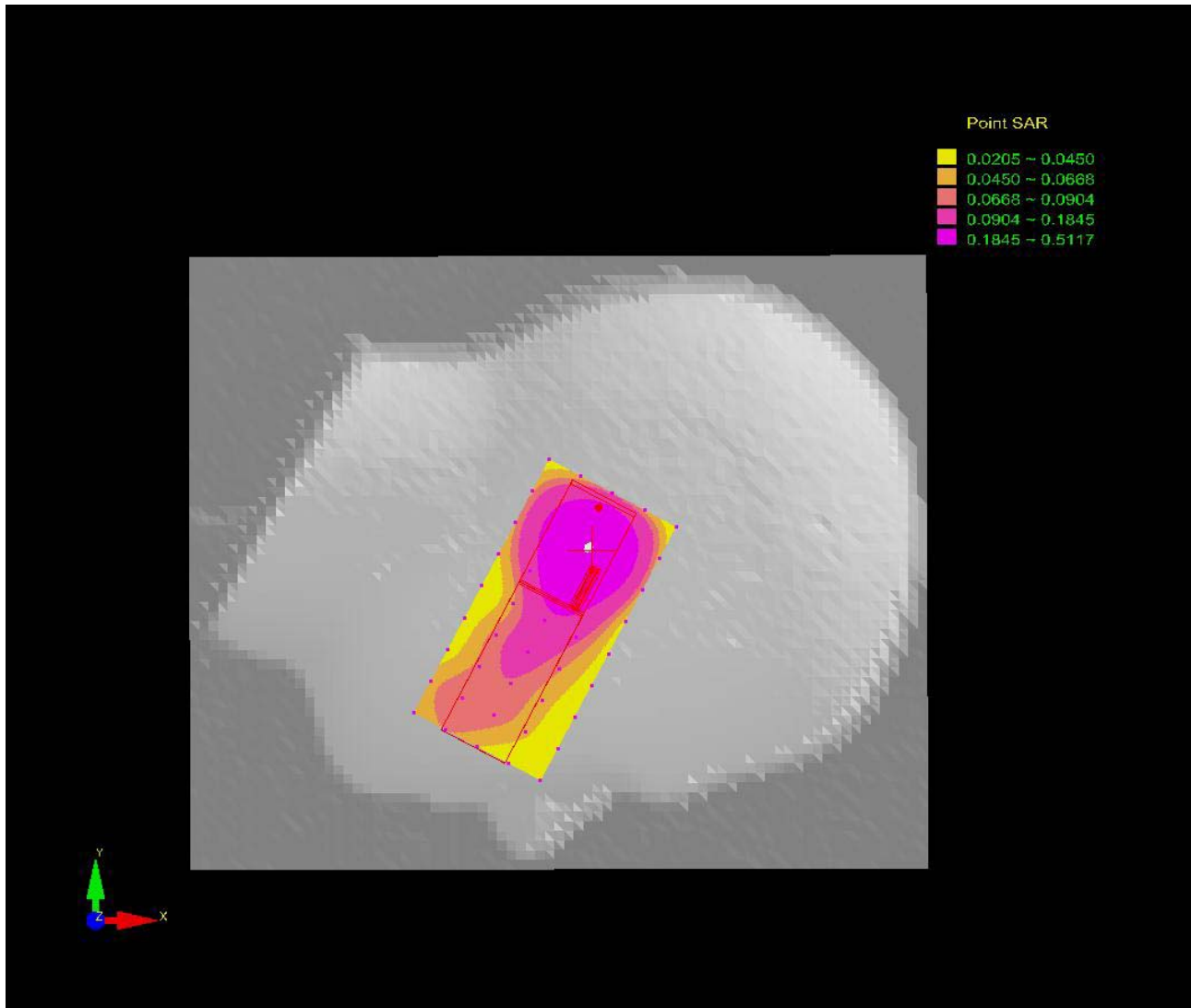
Before Scanning : 0.11820      After Scanning : 0.11951      Drift : +1.107 %

**Measurement Result (W/kg)**

Averaged 1g SAR : 0.477      Averaged 10g SAR : 0.283

**Notes :**

FCC ID : SY6X101  
Company : Bellwave Co., Ltd.  
Test Position : Left Tilt / Antenna : Fixed  
Mode : GSM1900 / Channel : 661  
Liquid Temperature : 21.8°C



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| Conductivity (S/m) :  | 1.44       |                            |           |
| Phantom Model :       | Right SAM  | Place of Measurement :     | HCT       |
| Test Date :           | 2005-05-02 | Measuring Equipment :      | ESSAY-III |

**DUT**

|                   |        |
|-------------------|--------|
| Model             | X101   |
| Power (dBm) :     | 30     |
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| Serial No.        | #1     |

**Probe**

|                     |               |
|---------------------|---------------|
| Model               | ET20-MAR-0026 |
| Offset (mm) :       | 2.25          |
| Conversion Factor : | 4.23          |
| Duty Factor :       | 8             |

**Reference Point SAR(W/kg) in Medium**

Before Scanning : 0.14400      After Scanning : 0.14142      Drift : -1.792 %

**Measurement Result (W/kg)**

Averaged 1g SAR : **0.529**      Averaged 10g SAR : **0.308**

**Notes :**

FCC ID : SY6X101  
Company : Bellwave Co., Ltd.  
Test Position : Right Tilt / Antenna : Fixed  
Mode : GSM1900 / Channel : 661  
Liquid Temperature : 21.8°C



