

ATTACHMENT O – SAR TEST PLOTS (3 of 3)

SAR Measurement Report

SAR TEST DATA SUMMARY

Simulant Liquid :	Body	Ambient Temperature (°C) :	22.0
Dielectric Constant :	53.9	Relative Humidity (%) :	44
Conductivity (S/m) :	0.95		
Phantom Model :	Flat	Place of Measurement :	HCT
Test Date :	2005-04-29	Measuring Equipment :	ESSAY-III

DUT

Model	X101
Power (dBm) :	33
Frequency (MHz) :	824.2
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

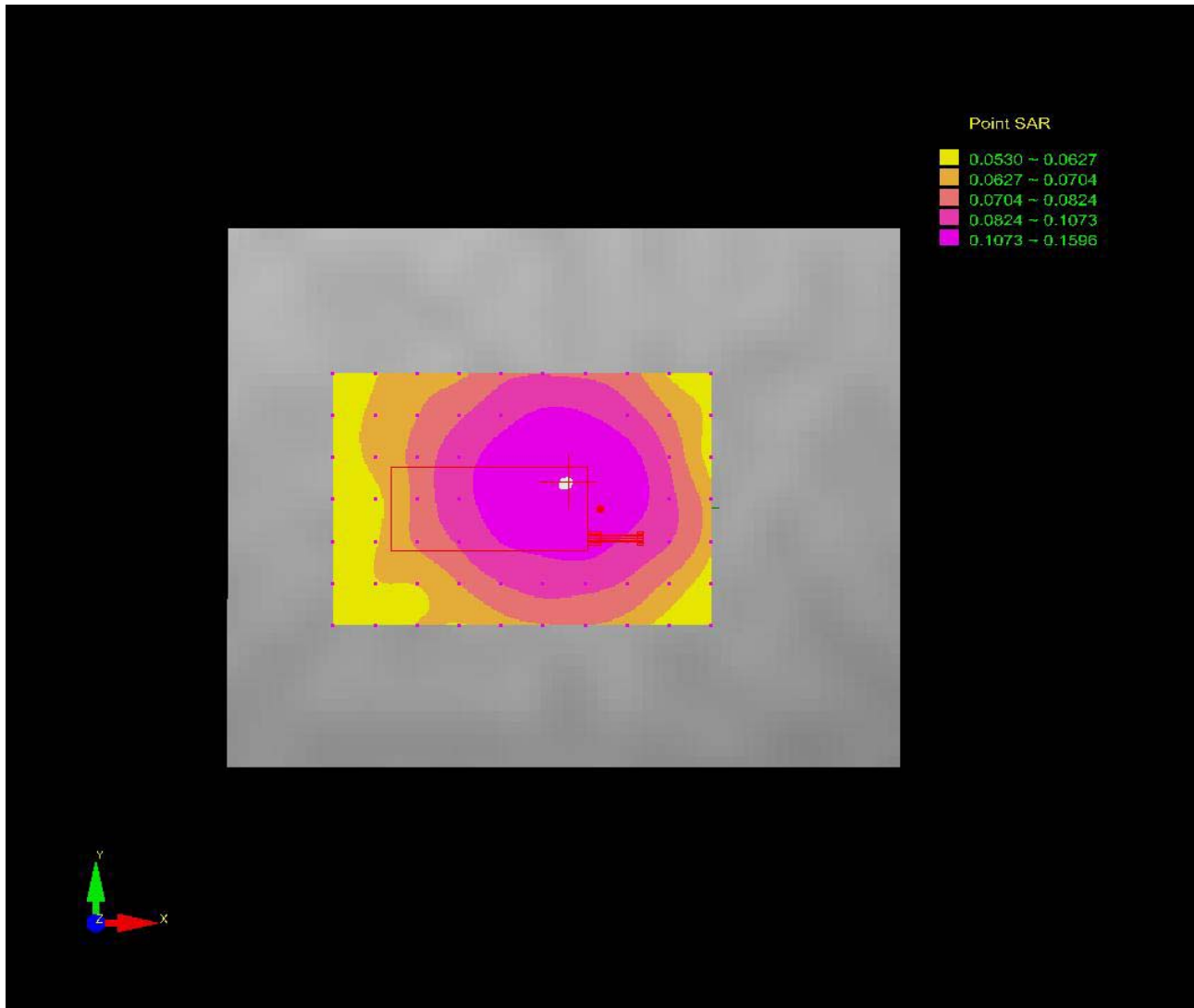
Before Scanning : 0.14466 After Scanning : 0.14749 Drift : +1.954 %

Measurement Result (W/kg)

Averaged 1g SAR : 0.160 Averaged 10g SAR : 0.126

Notes :

FCC ID : SY6X101
Company : Bellwave Co., Ltd.
Test Position : Body / Antenna : Fixed
Mode : GSM835 / Channel : 128
Liquid Temperature : 21.5°C



SAR Measurement Report

SAR TEST DATA SUMMARY

Simulant Liquid :	Body	Ambient Temperature (°C) :	22.0
Dielectric Constant :	53.9	Relative Humidity (%) :	44
Conductivity (S/m) :	0.95		
Phantom Model :	Flat	Place of Measurement :	HCT
Test Date :	2005-04-29	Measuring Equipment :	ESSAY-III

DUT

Model	X101
Power (dBm) :	33
Frequency (MHz) :	836.6
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

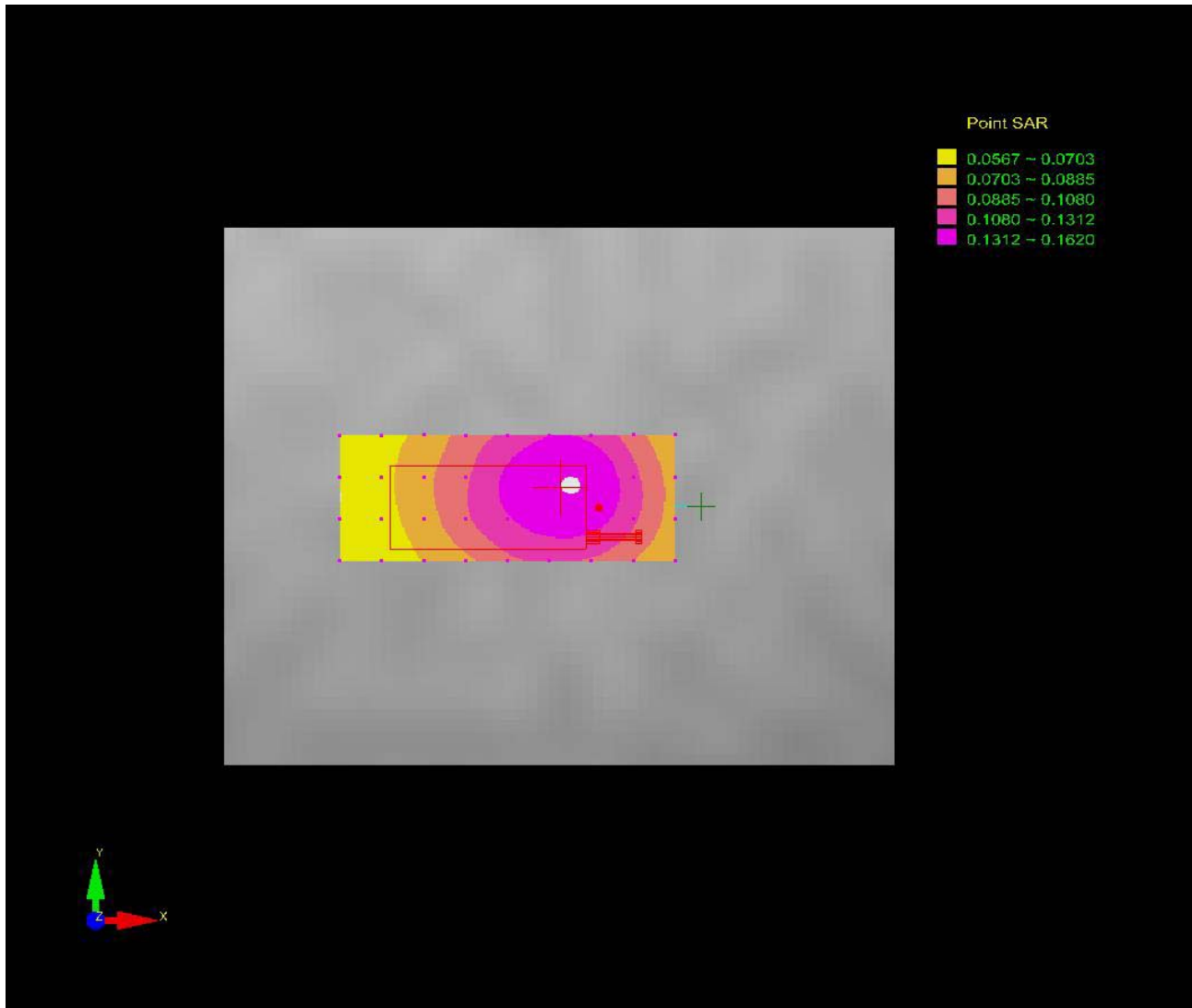
Before Scanning : 0.15298 After Scanning : 0.15809 Drift : +3.337 %

Measurement Result (W/kg)

Averaged 1g SAR : 0.166 Averaged 10g SAR : 0.130

Notes :

FCC ID : SY6X101
Company : Bellwave Co., Ltd.
Test Position : Body / Antenna : Fixed
Mode : GSM835 / Channel : 190
Liquid Temperature : 21.5°C



SAR Measurement Report

SAR TEST DATA SUMMARY

Simulant Liquid :	Body	Ambient Temperature (°C) :	22.0
Dielectric Constant :	53.9	Relative Humidity (%) :	44
Conductivity (S/m) :	0.95		
Phantom Model :	Flat	Place of Measurement :	HCT
Test Date :	2005-04-29	Measuring Equipment :	ESSAY-III

DUT

Model	X101
Power (dBm) :	33
Frequency (MHz) :	849.8
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

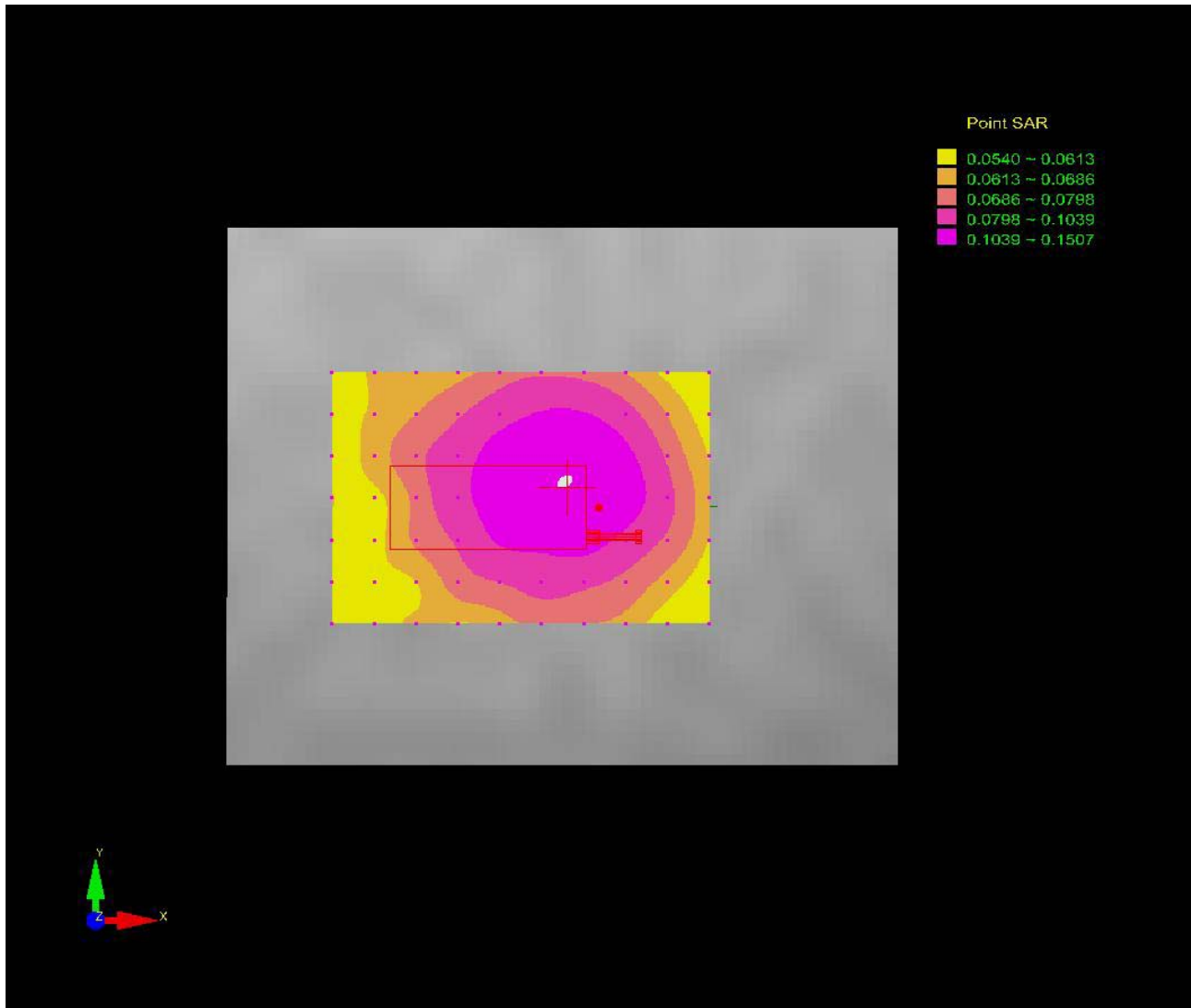
Before Scanning : 0.14466 After Scanning : 0.14163 Drift : -2.096 %

Measurement Result (W/kg)

Averaged 1g SAR : 0.156 Averaged 10g SAR : 0.123

Notes :

FCC ID : SY6X101
Company : Bellwave Co., Ltd.
Test Position : Body / Antenna : Fixed
Mode : GSM835 / Channel : 251
Liquid Temperature : 21.5°C



SAR Measurement Report

SAR TEST DATA SUMMARY

Simulant Liquid :	Body	Ambient Temperature (°C) :	22.0
Dielectric Constant :	53.9	Relative Humidity (%) :	44
Conductivity (S/m) :	0.95		
Phantom Model :	Flat	Place of Measurement :	HCT
Test Date :	2005-04-29	Measuring Equipment :	ESSAY-III

DUT

Model	X101
Power (dBm) :	33
Frequency (MHz) :	836.6
Serial No.	#1

Probe

Model	ET20-MAR-0026
Offset (mm) :	2.25
Conversion Factor :	4.23
Duty Factor :	4

Reference Point SAR(W/kg) in Medium

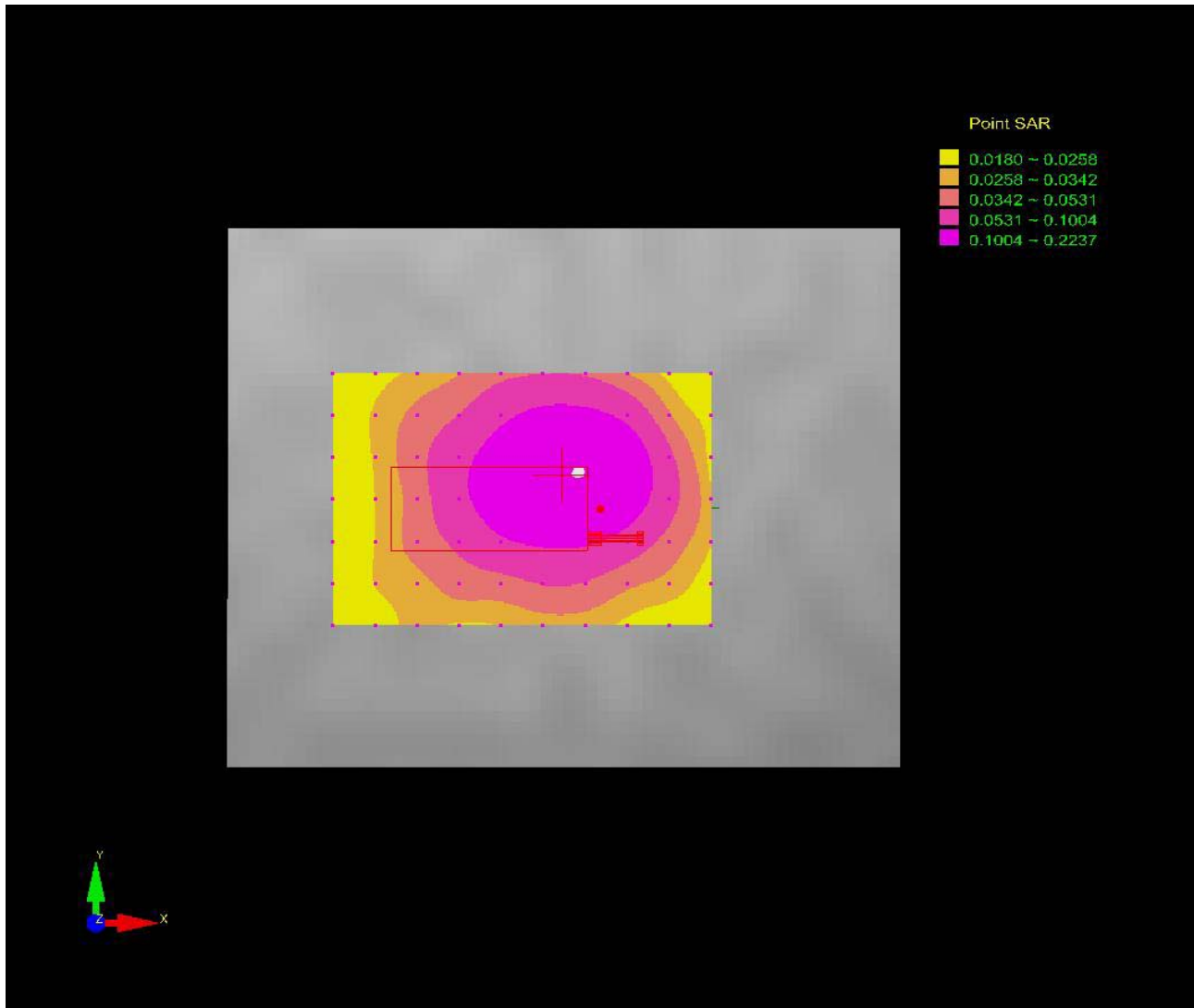
Before Scanning : 0.18941 After Scanning : 0.18039 Drift : -4.758 %

Measurement Result (W/kg)

Averaged 1g SAR : 0.229 Averaged 10g SAR : 0.157

Notes :

FCC ID : SY6X101
Company : Bellwave Co., Ltd.
Test Position : Body (GPRS) / Antenna : Fixed
Mode : GSM850 / Channel : 190
Liquid Temperature : 21.5°C



SAR Measurement Report

SAR TEST DATA SUMMARY

Simulant Liquid :	Body	Ambient Temperature (°C) :	22.3
Dielectric Constant :	52.4	Relative Humidity (%) :	47
Conductivity (S/m) :	1.49		
Phantom Model :	Flat	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

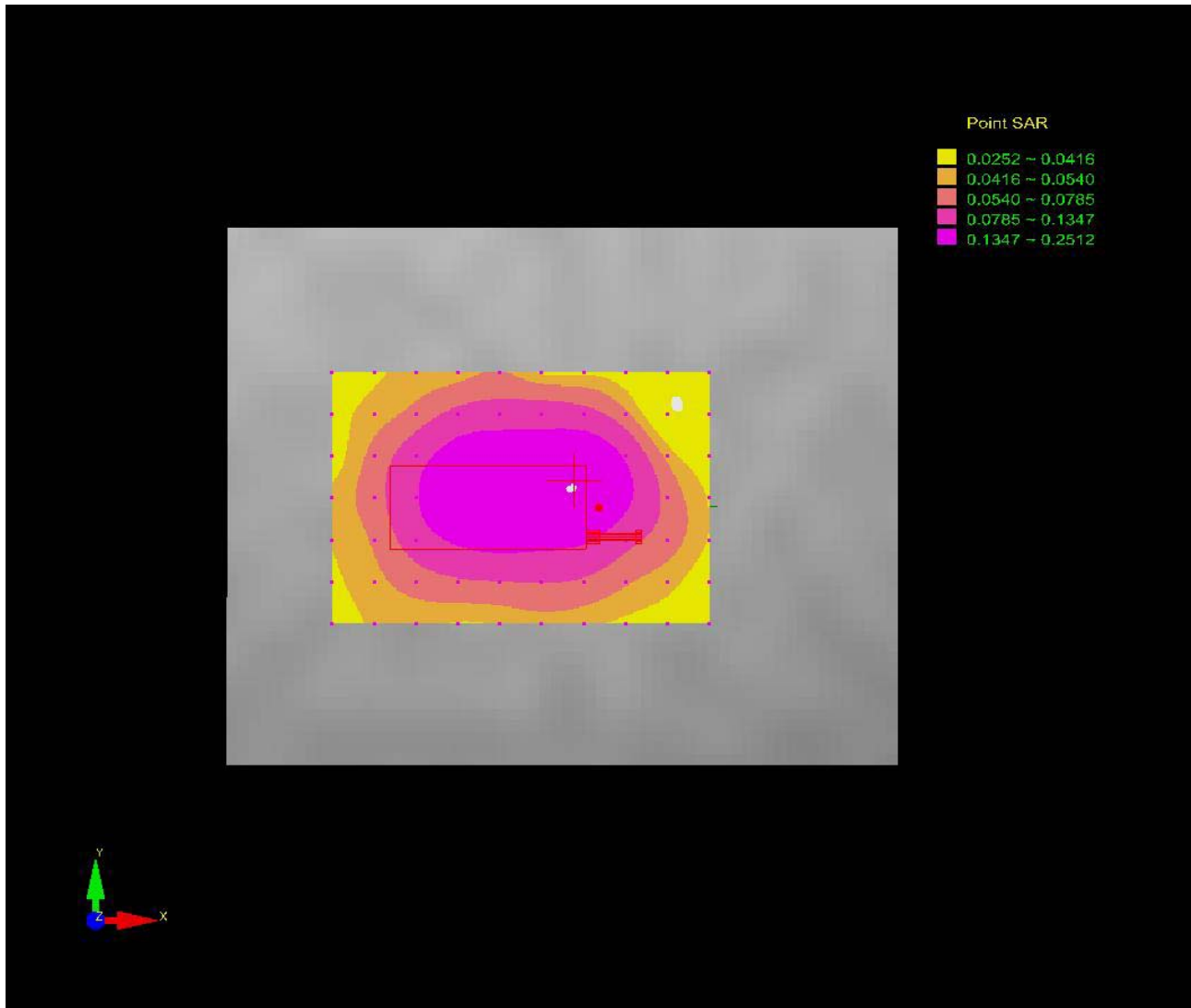
Before Scanning : 0.23468 After Scanning : 0.22800 Drift : -2.848 %

Measurement Result (W/kg)

Averaged 1g SAR : 0.259 Averaged 10g SAR : 0.160

Notes :

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



SAR Measurement Report

SAR TEST DATA SUMMARY

Simulant Liquid :	Body	Ambient Temperature (°C) :	22.3
Dielectric Constant :	52.4	Relative Humidity (%) :	47
Conductivity (S/m) :	1.49		
Phantom Model :	Flat	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

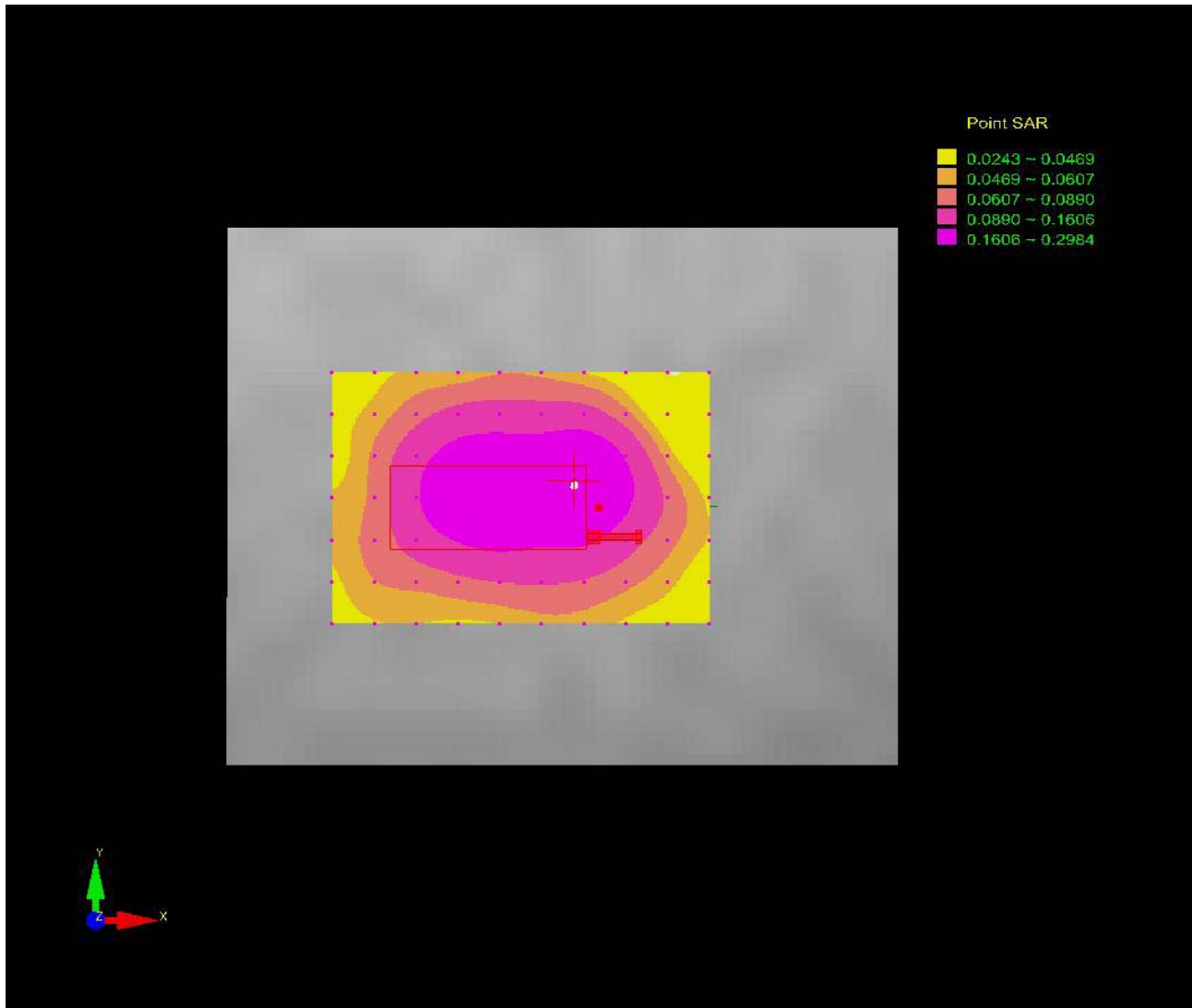
Before Scanning : 0.26754 After Scanning : 0.25531 Drift : -4.573 %

Measurement Result (W/kg)

Averaged 1g SAR : **0.313** Averaged 10g SAR : **0.189**

Notes :

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



SAR Measurement Report

SAR TEST DATA SUMMARY

Simulant Liquid :	Body	Ambient Temperature (°C) :	22.3
Dielectric Constant :	52.4	Relative Humidity (%) :	47
Conductivity (S/m) :	1.49		
Phantom Model :	Flat	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

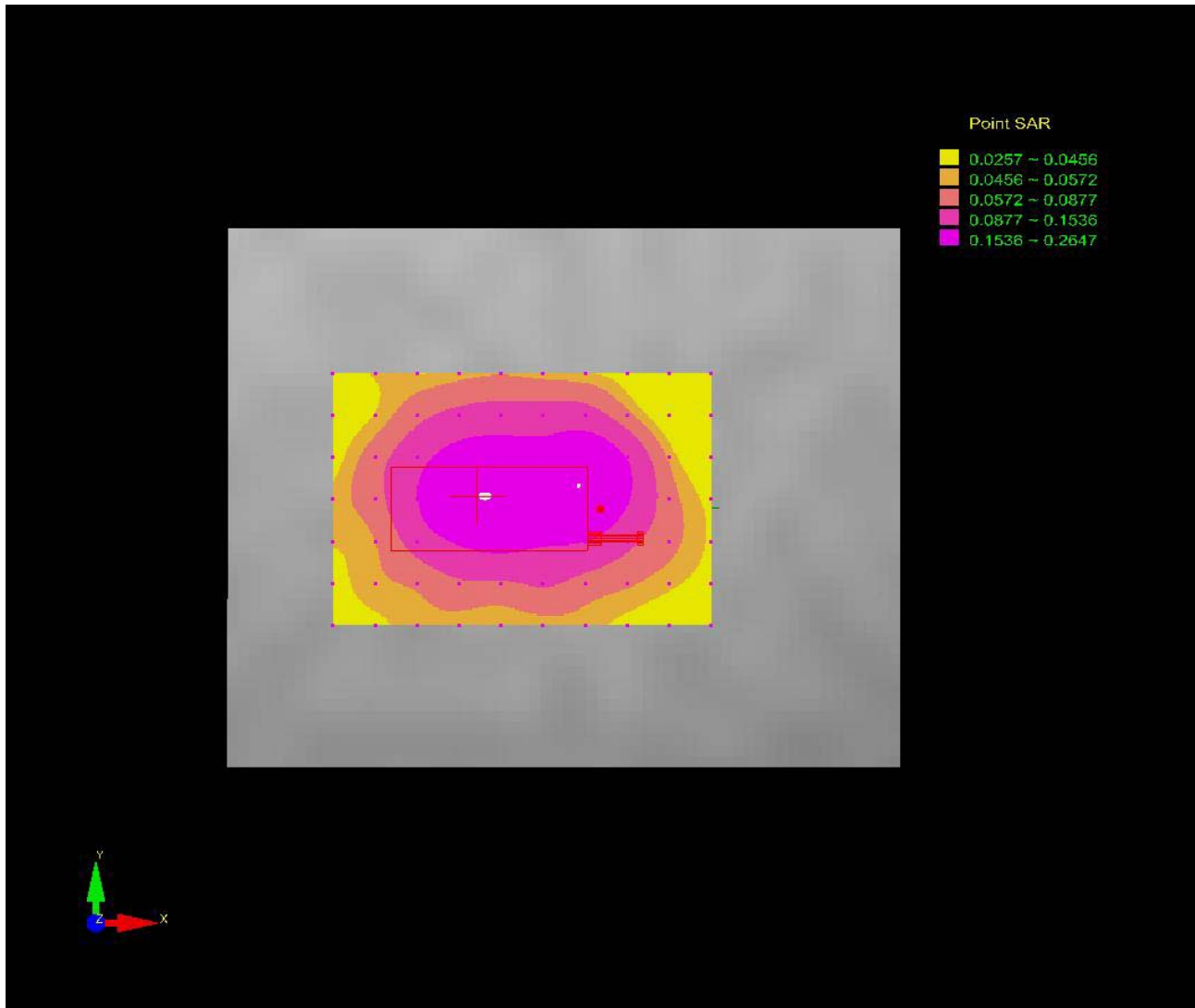
Before Scanning : 0.23618 After Scanning : 0.22542 Drift : -4.554 %

Measurement Result (W/kg)

Averaged 1g SAR : **0.275** Averaged 10g SAR : **0.175**

Notes :

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



SAR Measurement Report

SAR TEST DATA SUMMARY

Simulant Liquid :	Body	Ambient Temperature (°C) :	22.3
Dielectric Constant :	52.4	Relative Humidity (%) :	47
Conductivity (S/m) :	1.49		
Phantom Model :	Flat	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 :	4

Reference Point SAR(W/kg) in Medium

Before Scanning : 0.26317 After Scanning : 0.24988 Drift : -4.051 %

Measurement Result (W/kg)

Averaged 1g SAR : 0.310 Averaged 10g SAR : 0.186

Notes :

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

