



Annex A: System Check

Tested Model: EMP2920

Report Number:

FCC17050447A-6



BODY

Type: Validation measurement (Complete)

Date of measurement: 17/5/2017

Measurement duration: 11 minutes 54 seconds

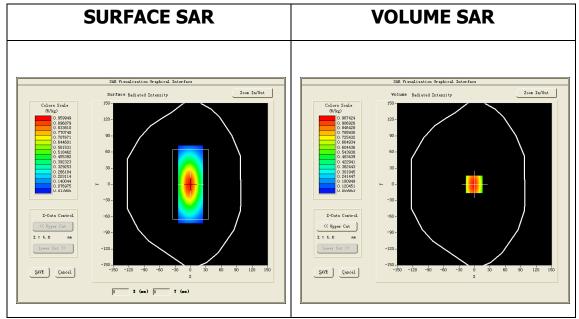
A. Experimental conditions.

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

B. SAR Measurement Results

Frequency (MHz)	835.000000
Relative permittivity (real part)	53.927799
Relative permittivity (imaginary part)	21.281300
Conductivity (S/m)	0.987216
Variation (%)	0.120000



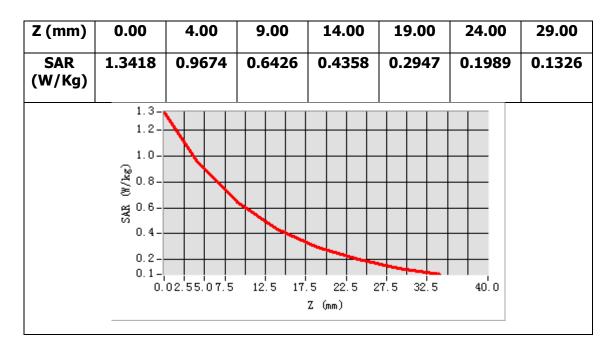


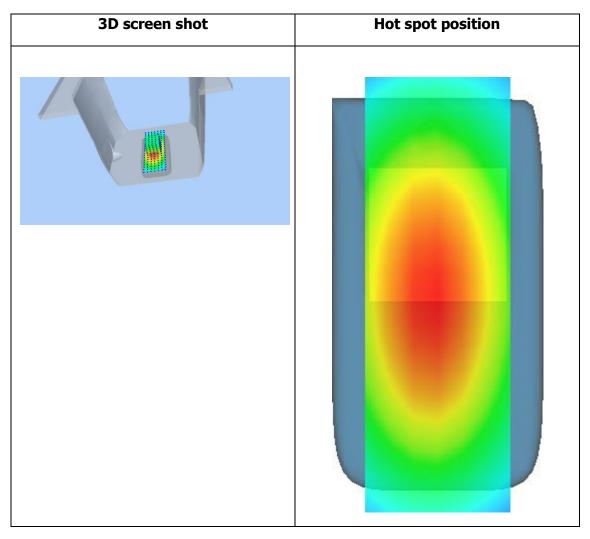
Maximum location: X=-1.00, Y=0.00

SAR Peak: 1.44 W/kg

SAR 10g (W/Kg)	6.44746
SAR 1g (W/Kg)	10.14583









HEAD

Type: Validation measurement (Complete)

Date of measurement: 17/5/2017

Measurement duration: 11 minutes 54 seconds

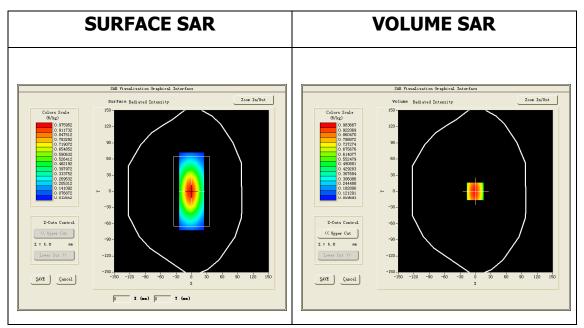
A. Experimental conditions.

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

B. SAR Measurement Results

Frequency (MHz)	835.000000
Relative permittivity (real part)	40.328999
Relative permittivity (imaginary part)	19.880501
Conductivity (S/m)	0.922234
Variation (%)	-0.070000



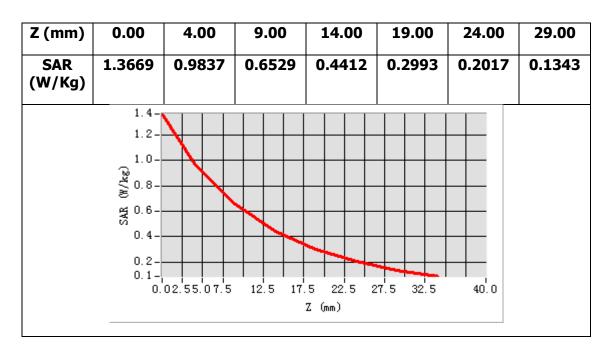


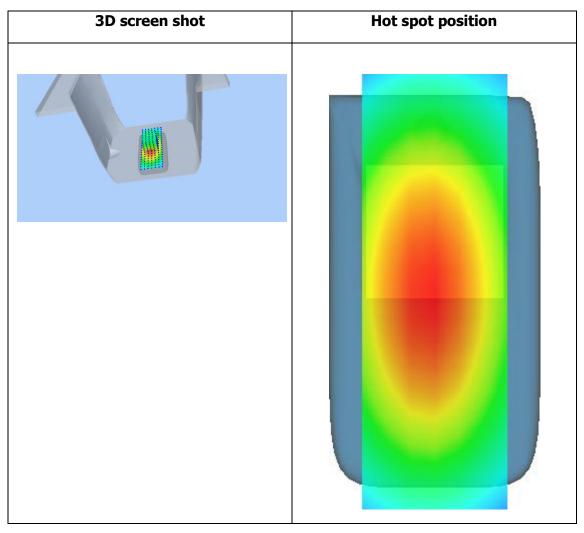
Maximum location: X=-1.00, Y=0.00

SAR Peak: 1.37 W/kg

SAR 10g (W/Kg)	6.15004
SAR 1g (W/Kg)	9.70049









BODY

Type: Validation measurement (Complete)

Date of measurement: 24/5/2017

Measurement duration: 10 minutes 57 seconds

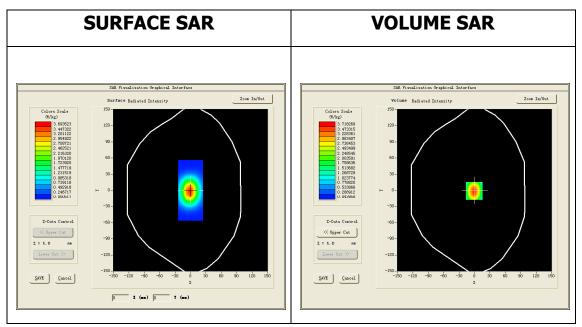
A. Experimental conditions.

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

B. SAR Measurement Results

Frequency (MHz)	1900.000000
Relative permittivity (real part)	53.365299
Relative permittivity (imaginary part)	14.757600
Conductivity (S/m)	1.557747
Variation (%)	-0.450000



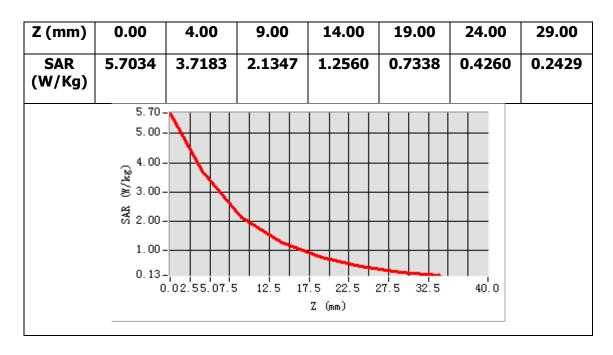


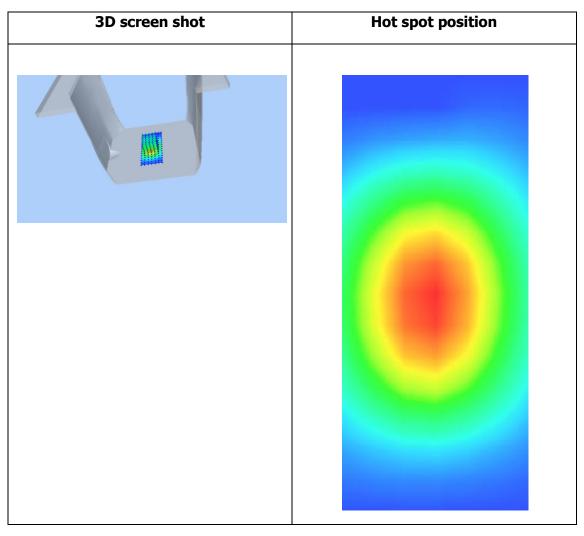
Maximum location: X=-1.00, Y=-1.00

SAR Peak: 6.26 W/kg

SAR 10g (W/Kg)	20.93533
SAR 1g (W/Kg)	39.32904









HEAD

Type: Validation measurement (Complete)

Date of measurement: 24/5/2017

Measurement duration: 11 minutes 6 seconds

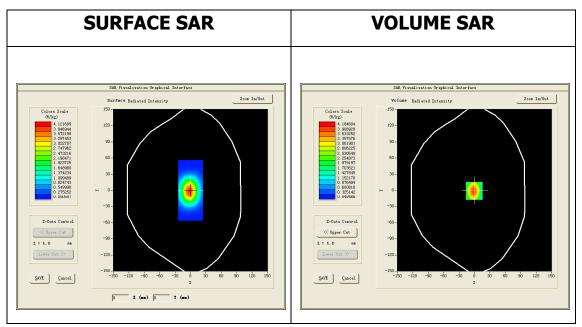
A. Experimental conditions.

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

B. SAR Measurement Results

Frequency (MHz)	1900.000000
Relative permittivity (real part)	39.976398
Relative permittivity (imaginary part)	13.386300
Conductivity (S/m)	1.412998
Variation (%)	-0.040000



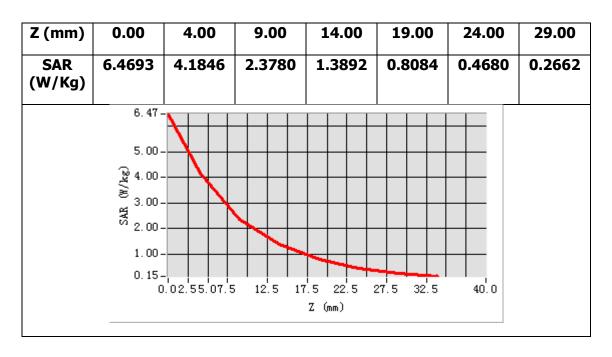


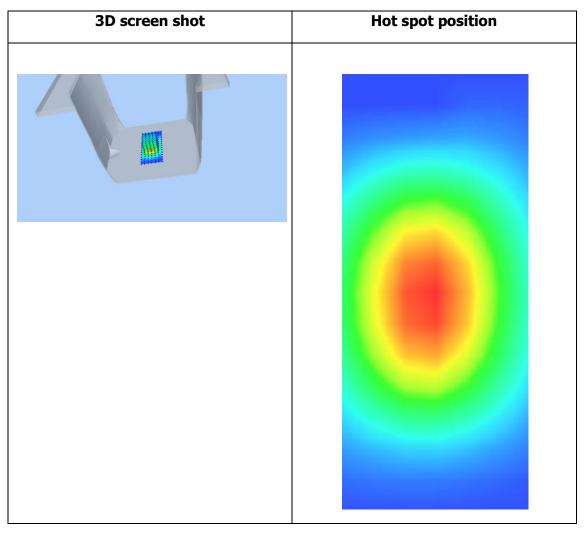
Maximum location: X=-1.00, Y=-1.00

SAR Peak: 6.48 W/kg

SAR 10g (W/Kg)	21.07104
SAR 1g (W/Kg)	39.97625









BODY

Type: Validation measurement (Complete)

Date of measurement: 20/5/2017

Measurement duration: 9 minutes 46 seconds

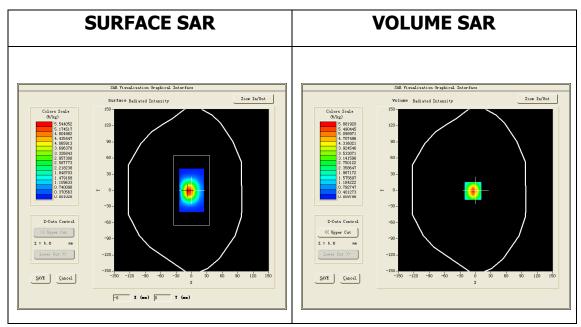
A. Experimental conditions.

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

B. SAR Measurement Results

Frequency (MHz)	2450.000000
Relative permittivity (real part)	52.735699
Relative permittivity (imaginary part)	14.017300
Conductivity (S/m)	1.907910
Variation (%)	0.390000



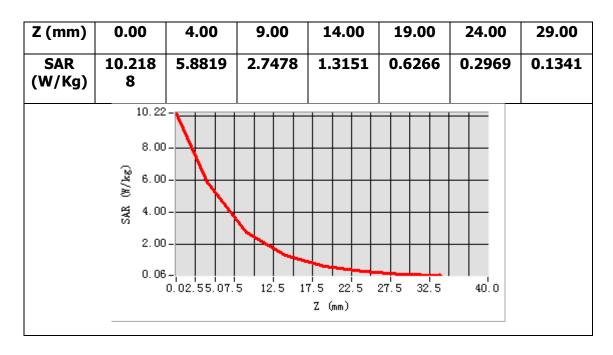


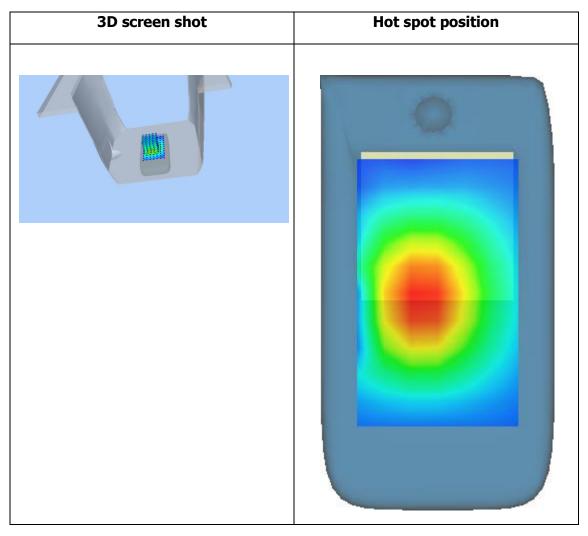
Maximum location: X=-5.00, Y=-1.00

SAR Peak: 10.96 W/kg

SAR 10g (W/Kg)	23.33453
SAR 1g (W/Kg)	56.33343









HEAD

Type: Validation measurement (Complete)

Date of measurement: 20/5/2017

Measurement duration: 9 minutes 46 seconds

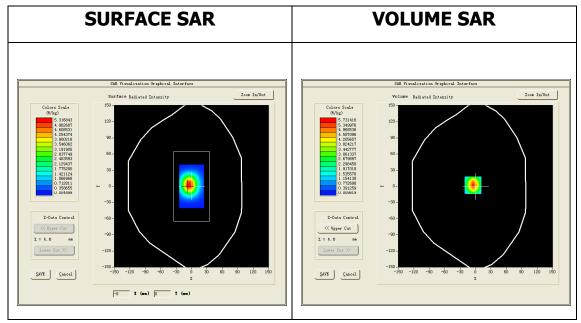
A. Experimental conditions.

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

B. SAR Measurement Results

Frequency (MHz)	2450.000000
Relative permittivity (real part)	39.235699
Relative permittivity (imaginary part)	12.917300
Conductivity (S/m)	1.758188
Variation (%)	2.820000



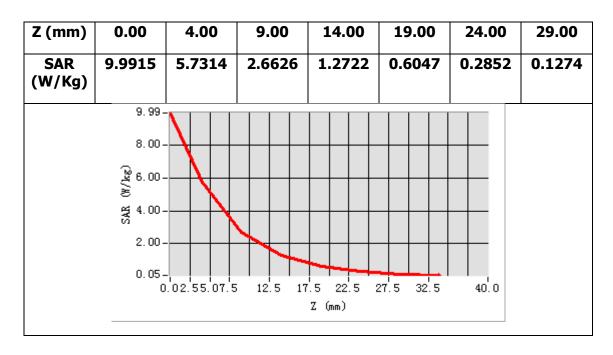


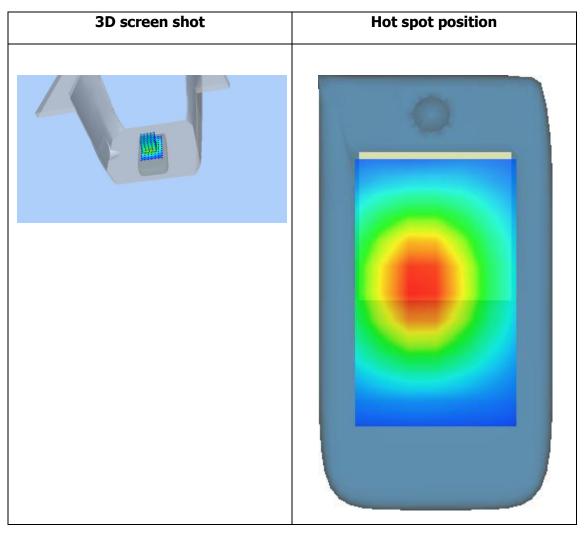
Maximum location: X=-5.00, Y=2.00

SAR Peak: 9.92 W/kg

SAR 10g (W/Kg)	24.52895
SAR 1g (W/Kg)	53.93069









BODY

Type: Validation measurement (Complete)

Date of measurement: 22/5/2017

Measurement duration: 10 minutes 13 seconds

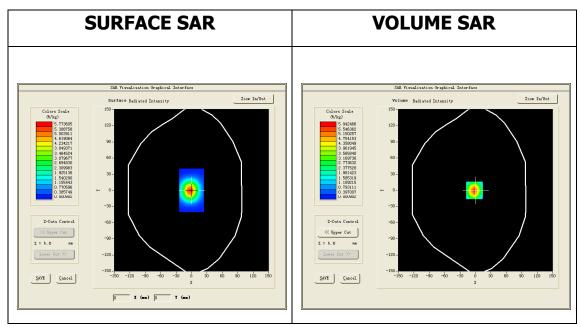
A. Experimental conditions.

<u>Area Scan</u>	dx=8mm dy=8mm	
<u>ZoomScan</u>	5x5x7,dx=8mm dy=8mm dz=5mm,Complete	
<u>Phantom</u>	<u>Validation plane</u>	
<u>Device Position</u>	<u>Dipole</u>	
<u>Band</u>	<u>CW2600</u>	
<u>Channels</u>	<u>Middle</u>	
<u>Signal</u>	CW (Crest factor: 1.0)	

B. SAR Measurement Results

Frequency (MHz)	2600.000000
Relative permittivity (real part)	52.007900
Relative permittivity (imaginary part)	14.458500
Conductivity (S/m)	2.088450
Variation (%)	-0.220000



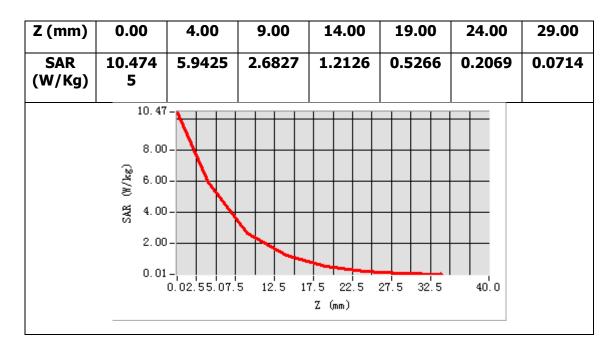


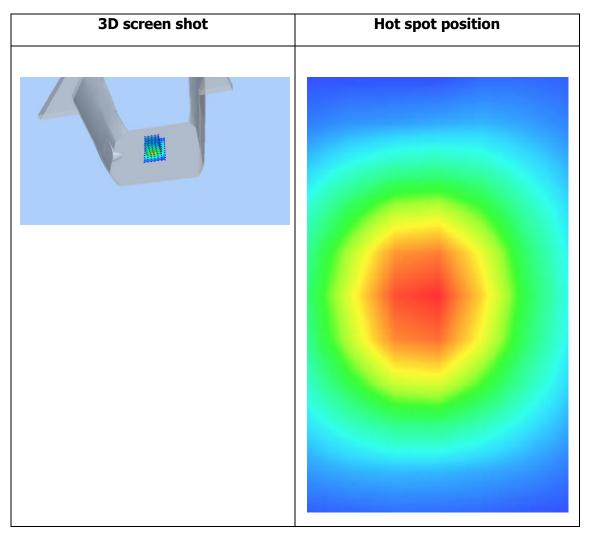
Maximum location: X=-2.00, Y=0.00

SAR Peak: 10.74 W/kg

SAR 10g (W/Kg)	25.599674
SAR 1g (W/Kg)	57.864350









HEAD

Type: Validation measurement (Complete)

Date of measurement: 22/5/2017

Measurement duration: 10 minutes 12 seconds

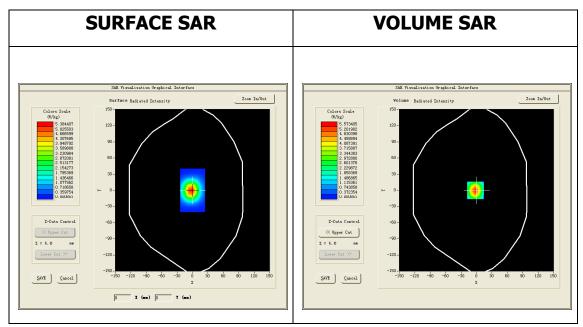
A. Experimental conditions.

<u>Area Scan</u>	dx=8mm dy=8mm	
<u>ZoomScan</u>	5x5x7,dx=8mm dy=8mm dz=5mm,Complete	
<u>Phantom</u>	<u>Validation plane</u>	
Device Position	<u>Dipole</u>	
<u>Band</u>	<u>CW2600</u>	
<u>Channels</u>	<u>Middle</u>	
<u>Signal</u>	CW (Crest factor: 1.0)	

B. SAR Measurement Results

Frequency (MHz)	2600.000000
Relative permittivity (real part)	38.979599
Relative permittivity (imaginary part)	13.989700
Conductivity (S/m)	2.020734
Variation (%)	0.250000





Maximum location: X=-2.00, Y=0.00

SAR Peak: 9.73 W/kg

SAR 10g (W/Kg)	23.42963
SAR 1g (W/Kg)	53.18259



