

**Annex B Measurement Results****Project Name : Kaleidoscope****Report Number:
FCC16124190A-5****I. RESULTS**

<u>TYPE</u>	<u>BAND</u>	<u>PARAMETERS</u>
Phone	IEEE 802.11b ISM	<u>Measurement 1</u> : Validation Plane with Body device position on Middle Channel in --- mode
Phone	IEEE 802.11b ISM	<u>Measurement 2</u> : Validation Plane with Body device position on Middle Channel in --- mode
Phone	IEEE 802.11b ISM	<u>Measurement 3</u> : Validation Plane with Body device position on Middle Channel in --- mode
Phone	IEEE 802.11b ISM	<u>Measurement 4</u> : Validation Plane with Body device position on High Channel in --- mode

MEASUREMENT 1

Front-Side-0mm

Type: Phone measurement (Complete)

Date of measurement: 23/12/2016

Measurement duration: 11 minutes 36 seconds

A. Experimental conditions.

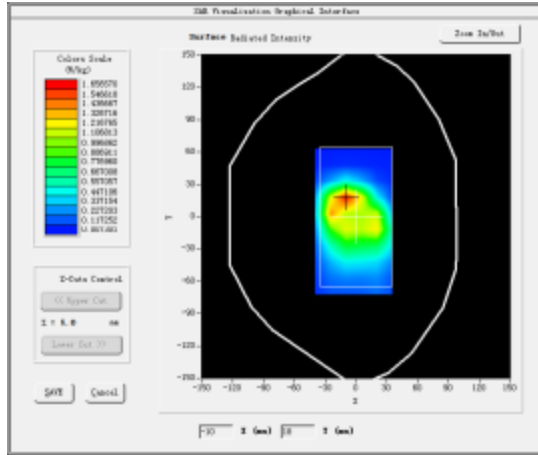
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11b ISM</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>IEEE802.b (Duty cycle:1:1)</u>

B. SAR Measurement Results

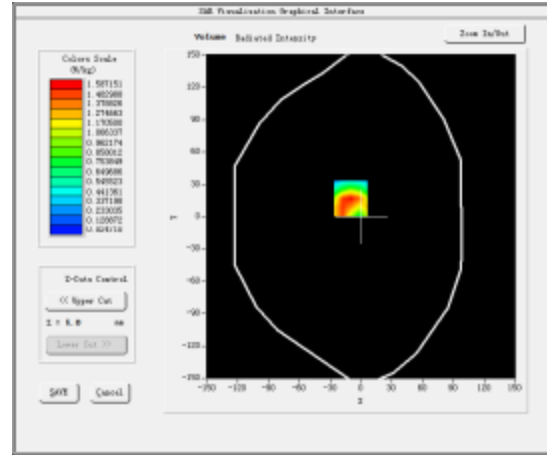
Middle Band SAR (Channel 6):

Frequency (MHz)	2437.000000
Relative permittivity (real part)	52.526401
Relative permittivity (imaginary part)	14.0655200
Conductivity (S/m)	1.953671
Variation (%)	0.340000

SURFACE SAR



VOLUME SAR

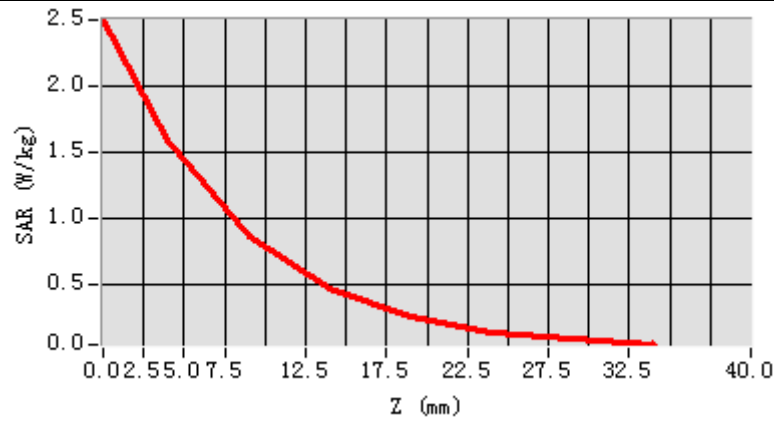


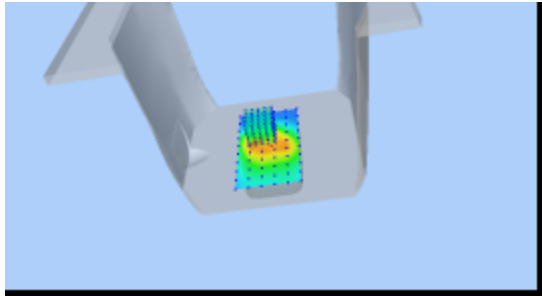
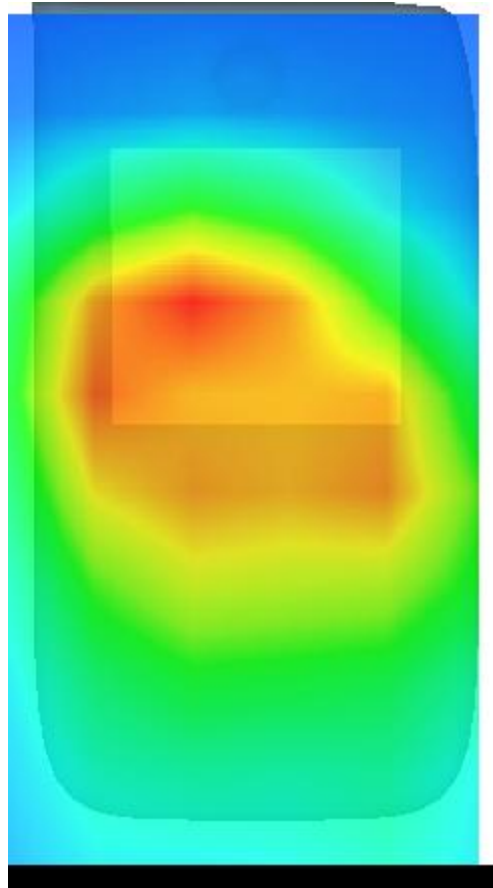
Maximum location: X=10.00, Y=17.00

SAR Peak: 2.61 W/kg

SAR 10g (W/Kg)	0.769253
SAR 1g (W/Kg)	0.743246

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	2.4997	1.5872	0.8697	0.4741	0.2661	0.1458	0.0867



3D screen shot	Hot spot position
	

MEASUREMENT 2

Rear-Side -0mm

Type: Phone measurement (Complete)

Date of measurement: 23/12/2016

Measurement duration: 9 minutes 38 seconds

A. Experimental conditions.

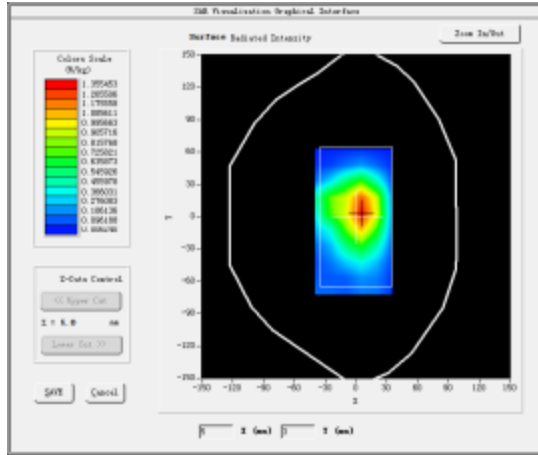
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11b ISM</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>IEEE802.b (Duty cycle:1:1)</u>

B. SAR Measurement Results

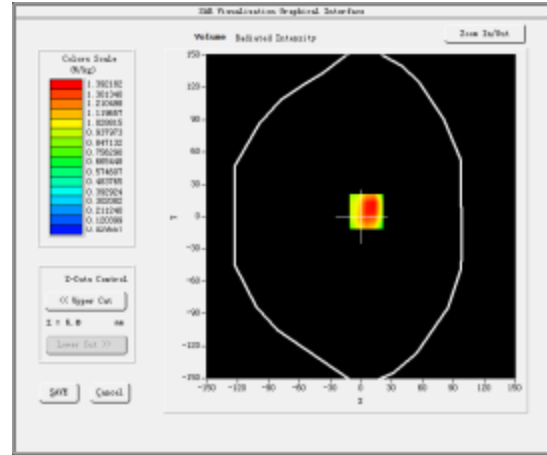
Middle Band SAR (Channel 6):

Frequency (MHz)	2437.000000
Relative permittivity (real part)	52.526401
Relative permittivity (imaginary part)	14.0655200
Conductivity (S/m)	1.953671
Variation (%)	-0.620000

SURFACE SAR



VOLUME SAR

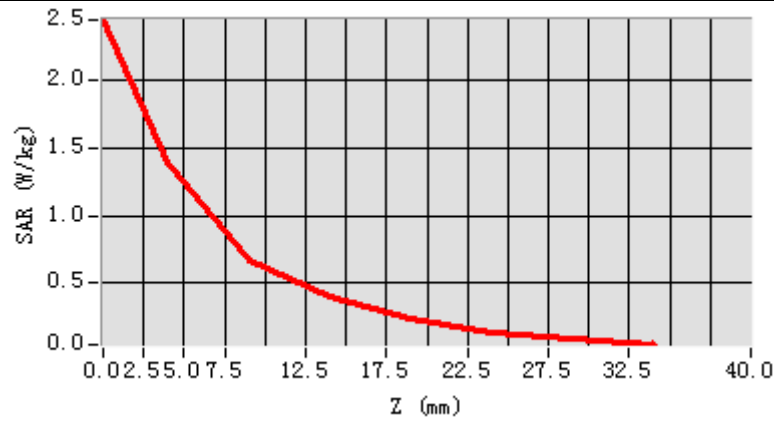


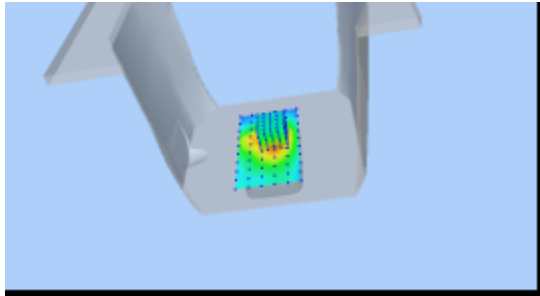
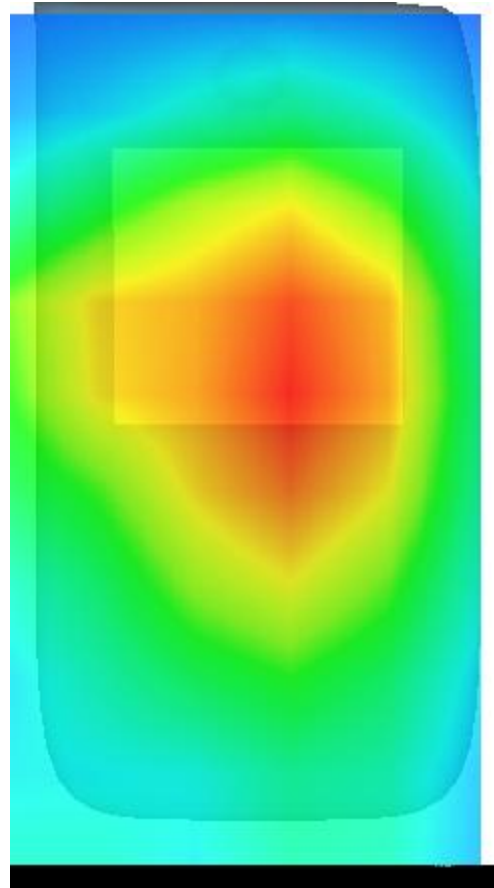
Maximum location: X=5.00, Y=5.00

SAR Peak: 2.40 W/kg

SAR 10g (W/Kg)	0.742372
SAR 1g (W/Kg)	0.721476

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	2.4536	1.3922	0.6596	0.4022	0.2386	0.1251	0.0836



3D screen shot	Hot spot position
	

MEASUREMENT 3

Left-Side-0mm

Type: Phone measurement (Complete)

Date of measurement: 23/12/2016

Measurement duration: 9 minutes 37 seconds

A. Experimental conditions.

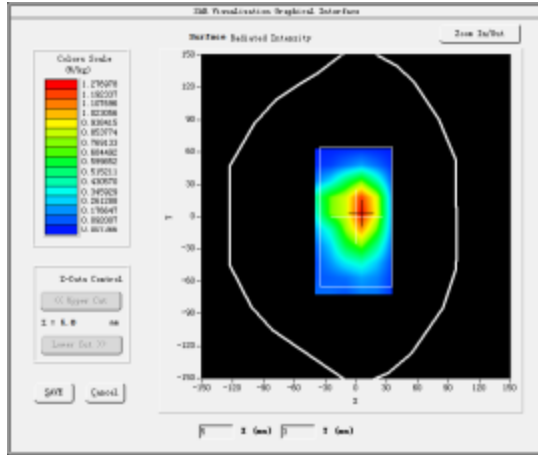
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11b ISM</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>IEEE802.b (Duty cycle:1:1)</u>

B. SAR Measurement Results

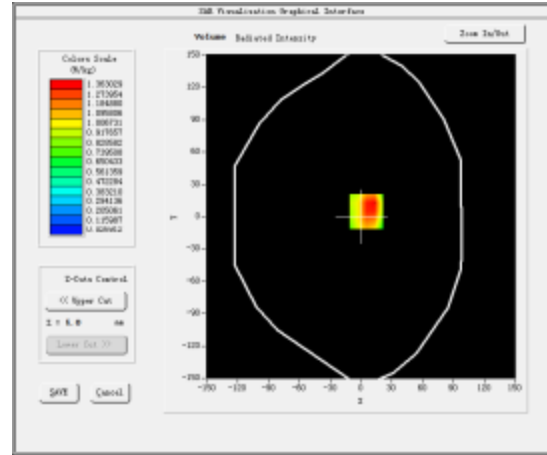
Middle Band SAR (Channel 6):

Frequency (MHz)	2437.000000
Relative permittivity (real part)	52.526401
Relative permittivity (imaginary part)	14.0655200
Conductivity (S/m)	1.953671
Variation (%)	-1.850000

SURFACE SAR



VOLUME SAR

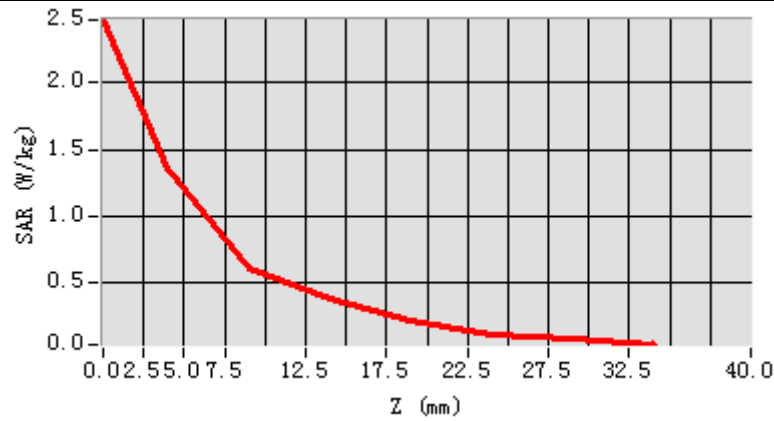


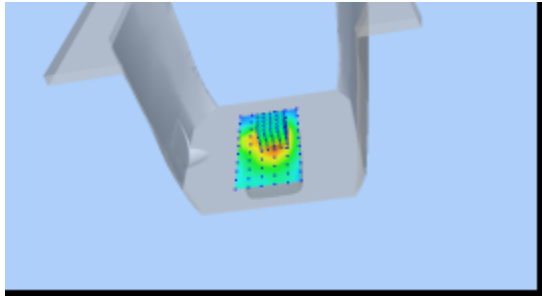
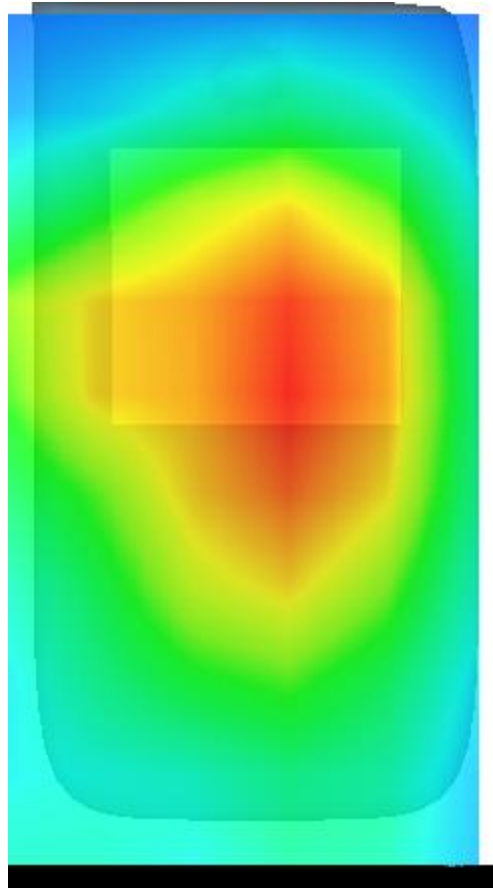
Maximum location: X=5.00, Y=5.00

SAR Peak: 2.38 W/kg

SAR 10g (W/Kg)	0.694102
SAR 1g (W/Kg)	0.676318

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	2.4680	1.3630	0.6148	0.3842	0.2217	0.1150	0.0771



3D screen shot	Hot spot position
	

MEASUREMENT 4

Bottom-Side-0mm

Type: Phone measurement (Complete)

Date of measurement: 23/12/2016

Measurement duration: 9 minutes 26 seconds

A. Experimental conditions.

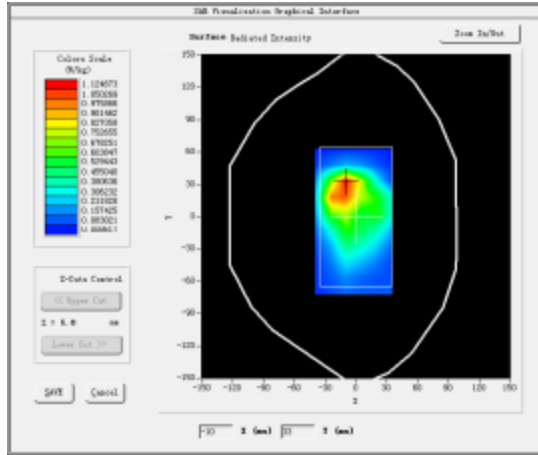
<u>Area Scan</u>	<u>dx=12mm dy=12mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>IEEE 802.11b ISM</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>IEEE802.b (Duty cycle:1:1)</u>

B. SAR Measurement Results

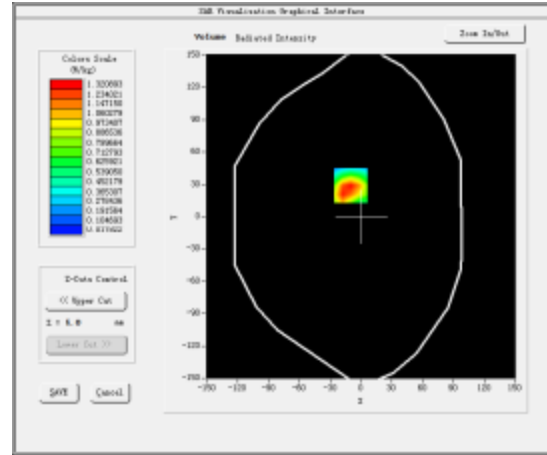
Higher Band SAR (Channel 6):

Frequency (MHz)	2437.000000
Relative permittivity (real part)	52.526401
Relative permittivity (imaginary part)	14.0655200
Conductivity (S/m)	1.953671
Variation (%)	0.560000

SURFACE SAR



VOLUME SAR

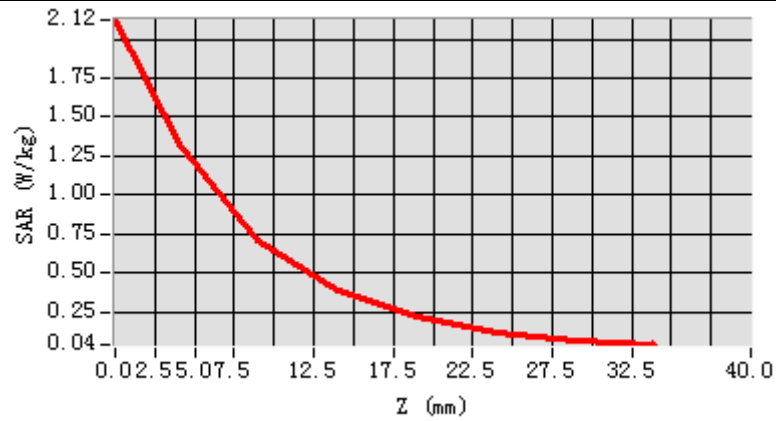


Maximum location: X=-10.00, Y=29.00

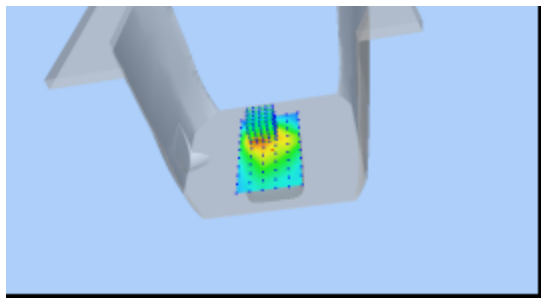
SAR Peak: 2.24 W/kg

SAR 10g (W/Kg)	0.712264
SAR 1g (W/Kg)	0.693349

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	2.1223	1.3209	0.7086	0.3883	0.2190	0.1233	0.0706



3D screen shot



Hot spot position

