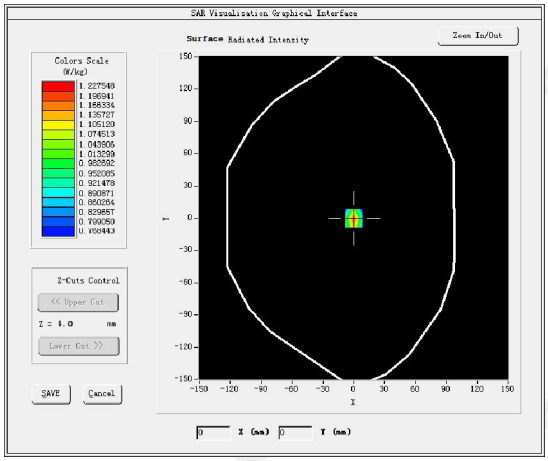
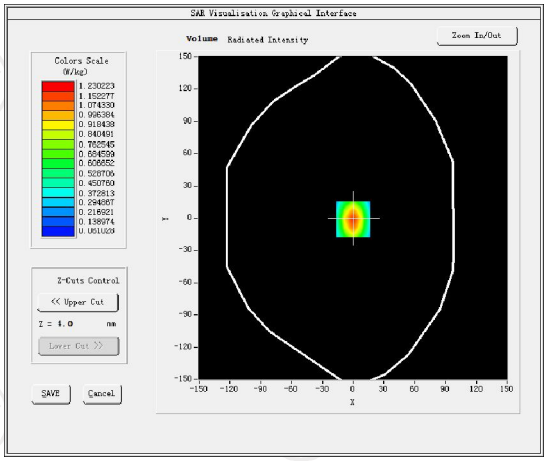
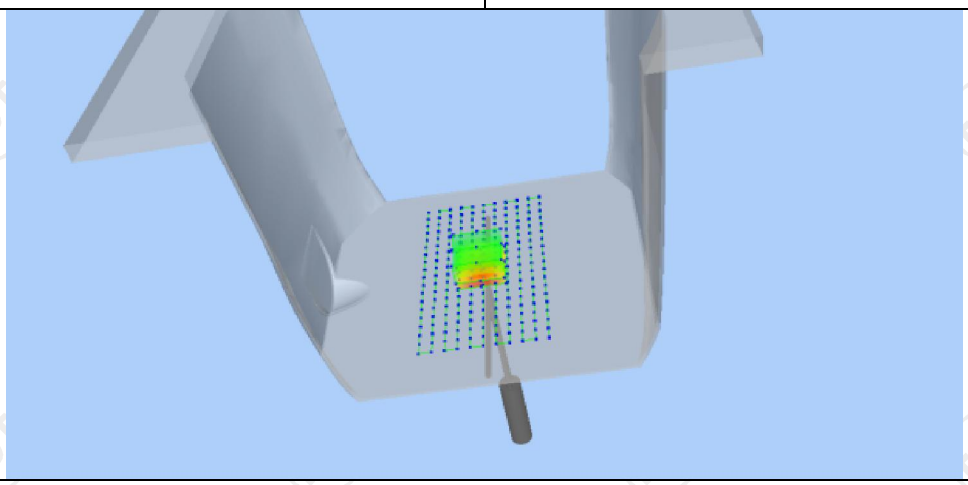
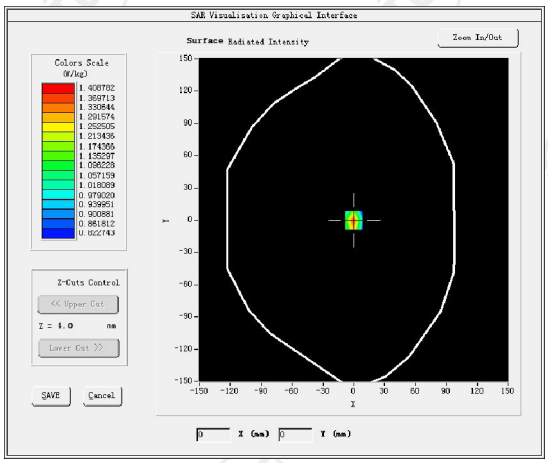
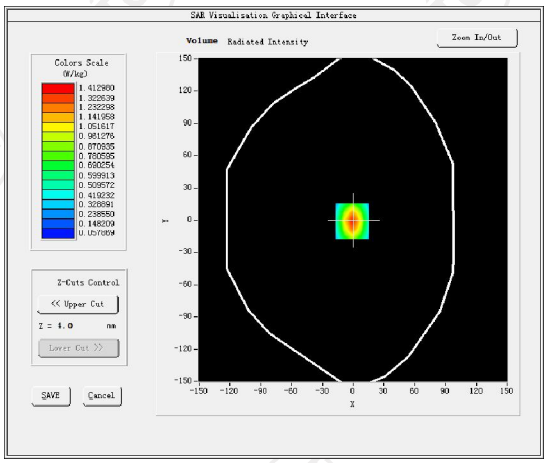
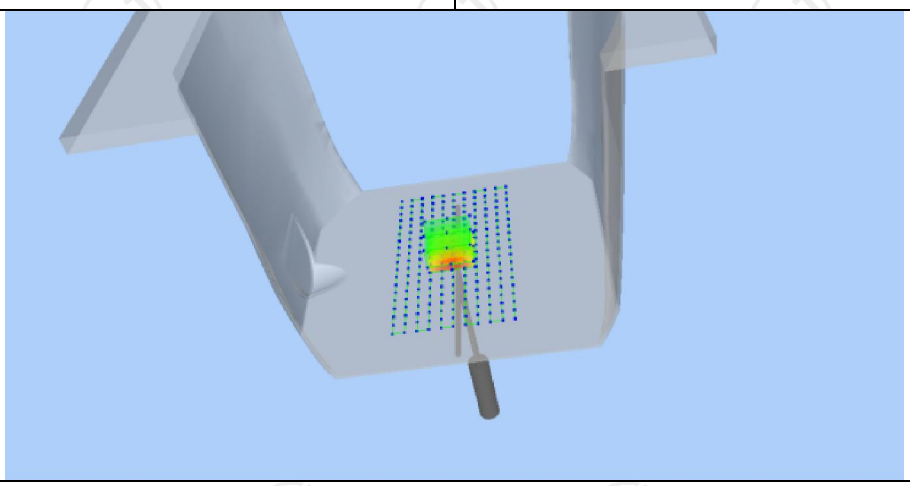
11. System Check Results

Date of measurement: 14/03/2016 Test mode: 835 (Head) Product Description: Validation Dipole Model: SID835 E-Field Probe: SSE5 (SN 07/15 EP248)	
Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	5.05
Frequency (MHz)	835.000000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	-0.090000
SAR 10g (W/Kg)	**0.570226**
SAR 1g (W/Kg)	**0.886036**
SURFACE SAR	**VOLUME SAR**
	
	

Date of measurement: 14/03/2016 Test mode: 835 (Body)
Product Description: Validation
Dipole Model: SID835
E-Field Probe: SSE5 (SN 07/15 EP248)

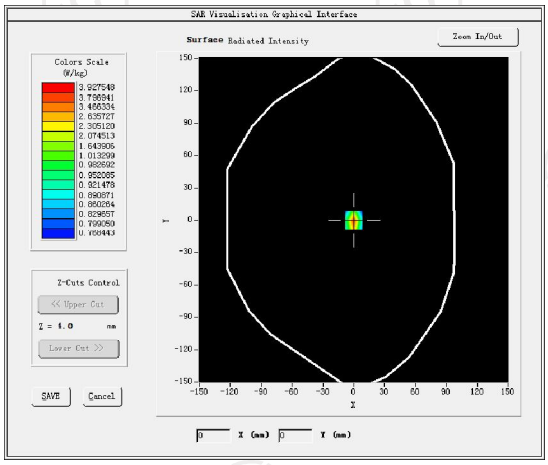
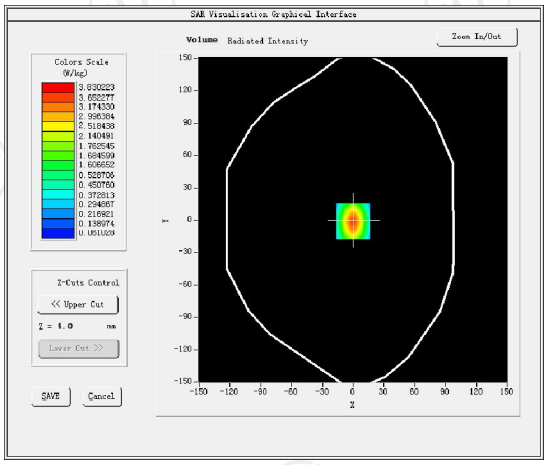
Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	5.22
Frequency (MHz)	835.000000
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.978883
Variation (%)	-0.150000
SAR 10g (W/Kg)	**0.633112**
SAR 1g (W/Kg)	**0.949433**

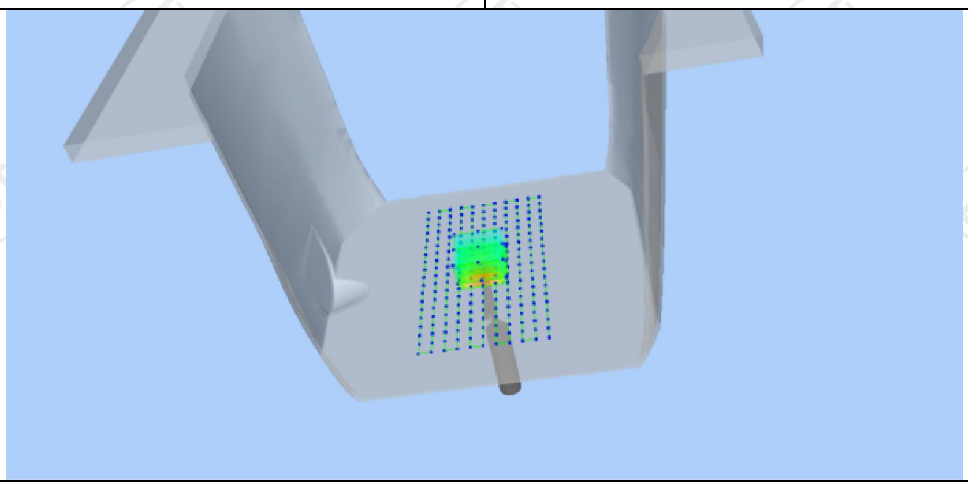
SURFACE SAR	**VOLUME SAR**
	



Date of measurement: 15/03/2016 Test mode: 1900MHz (Head)
Product Description: Validation
Dipole Model: SID1900
E-Field Probe: SSE5 (SN 07/15 EP248)

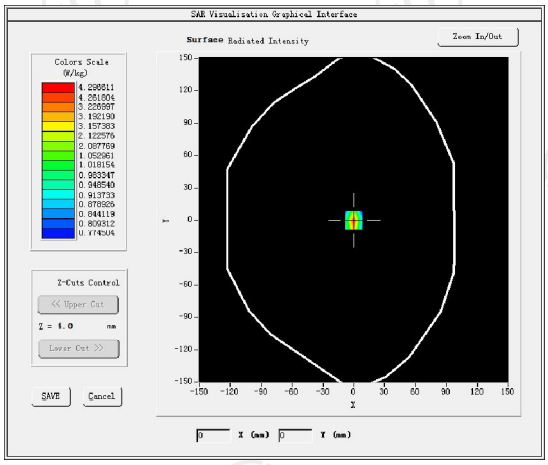
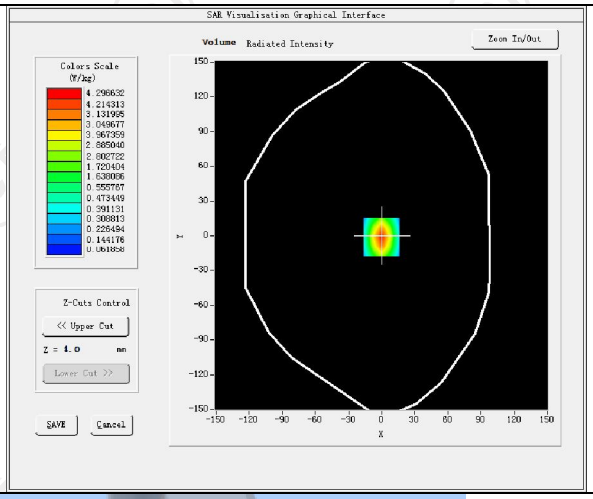
Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	4.86
Frequency (MHz)	1900.000000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.337609
Variation (%)	-0.910000
SAR 10g (W/Kg)	**1.899569**
SAR 1g (W/Kg)	**3.576329**

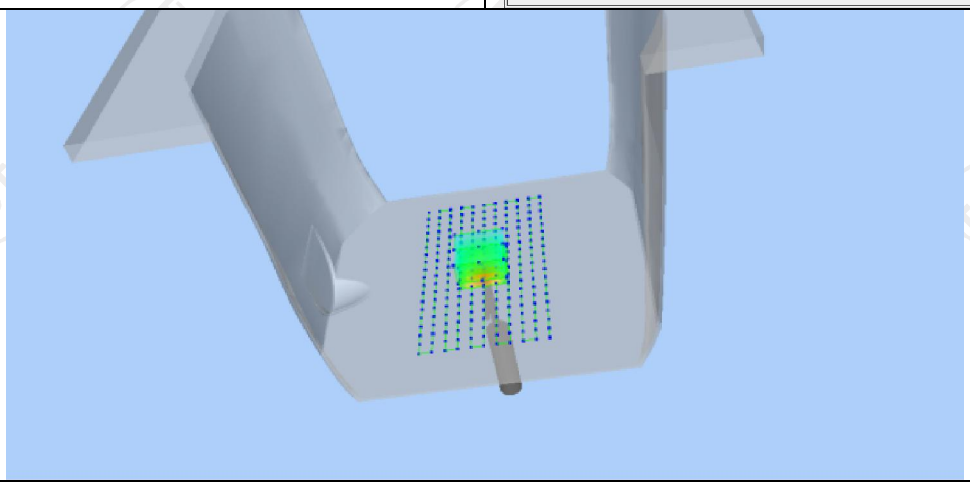
SURFACE SAR	**VOLUME SAR**
	



Date of measurement: 15/03/2016 Test mode: 1900MHz (Body)
Product Description: Validation
Dipole Model: SID1900
E-Field Probe: SSE5 (SN 07/15 EP248)

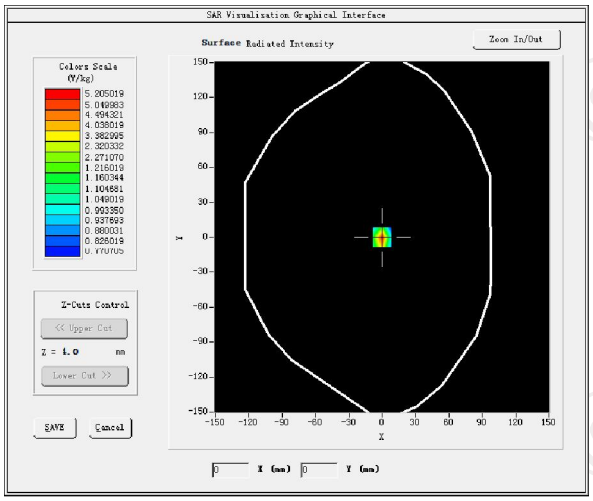
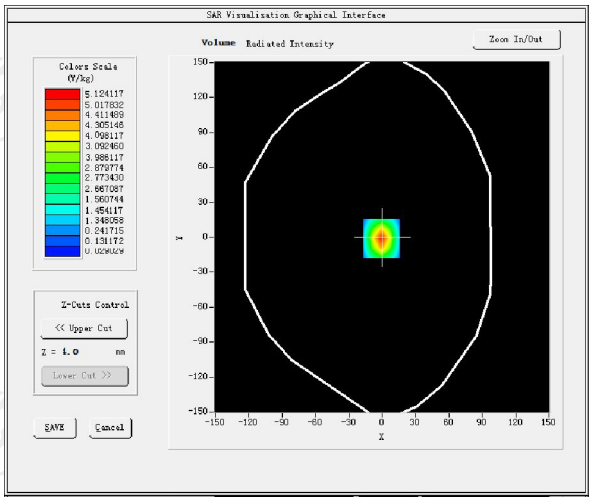
Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	5.05
Frequency (MHz)	1900.000000
Relative permittivity (real part)	50.741001
Relative permittivity (imaginary part)	14.232400
Conductivity (S/m)	1.486495
Variation (%)	1.250000
SAR 10g (W/Kg)	**1.994234**
SAR 1g (W/Kg)	**3.766325**

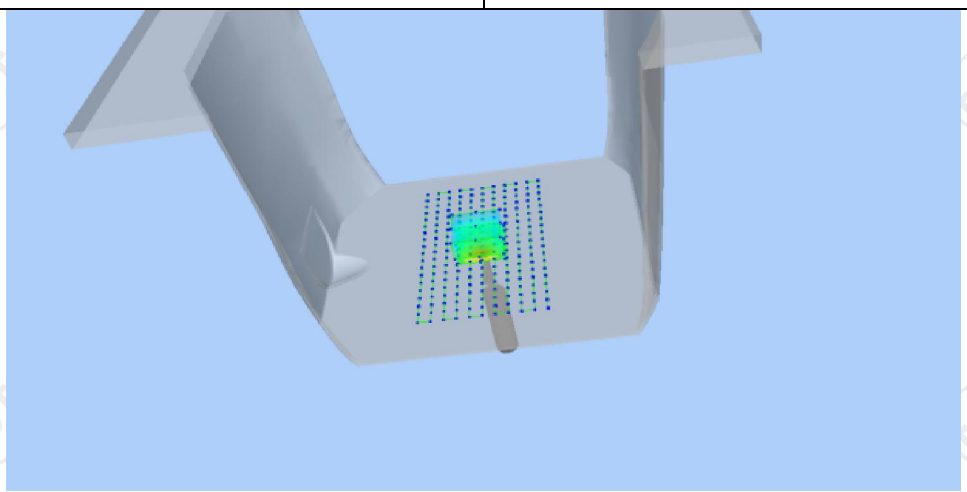
SURFACE SAR	**VOLUME SAR**
	



Date of measurement: 16/03/2016 Test mode: 2450MHz (Head)
Product Description: Validation
Dipole Model: SID2450
E-Field Probe: SSE5 (SN 07/15 EP248)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	4.21
Frequency (MHz)	2450.000000
Relative permittivity (real part)	37.821613
Relative permittivity (imaginary part)	13.546980
Conductivity (S/m)	1.834111
Variation (%)	-0.470000
SAR 10g (W/Kg)	**2.364445**
SAR 1g (W/Kg)	**4.994244**

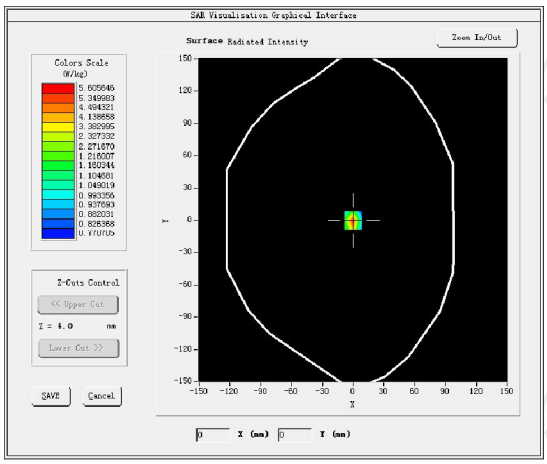
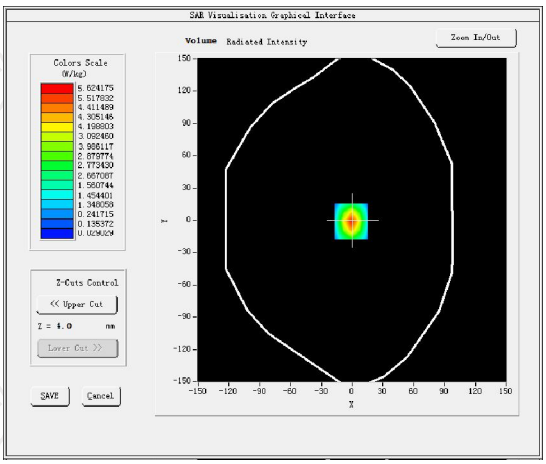
SURFACE SAR	**VOLUME SAR**
	

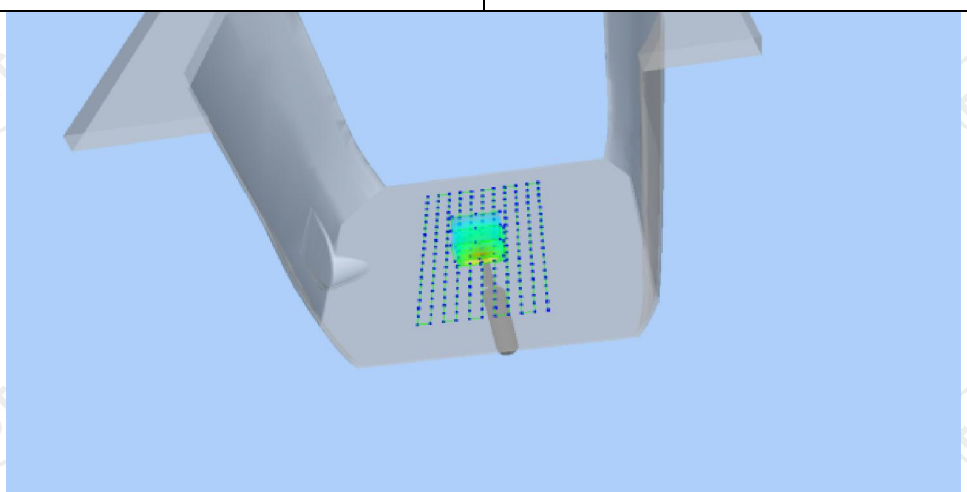


Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Date of measurement: 16/03/2016 Test mode: 2450MHz (Body)
Product Description: Validation
Dipole Model: SID2450
E-Field Probe: SSE5 (SN 07/15 EP248)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	4.36
Frequency (MHz)	2450.000000
Relative permittivity (real part)	54.616199
Relative permittivity (imaginary part)	14.930150
Conductivity (S/m)	2.012159
Variation (%)	-0.230000
SAR 10g (W/Kg)	**2.416669**
SAR 1g (W/Kg)	**5.066368**

SURFACE SAR	**VOLUME SAR**
	



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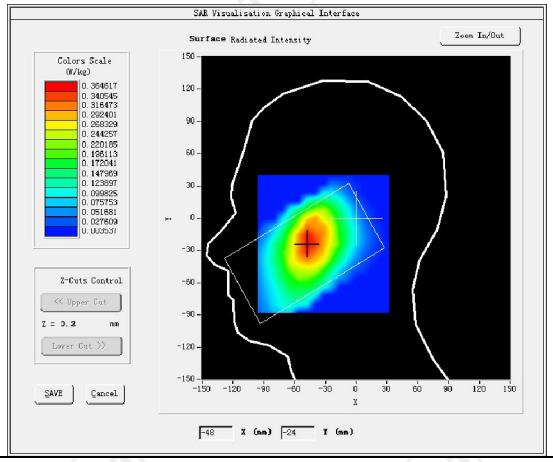
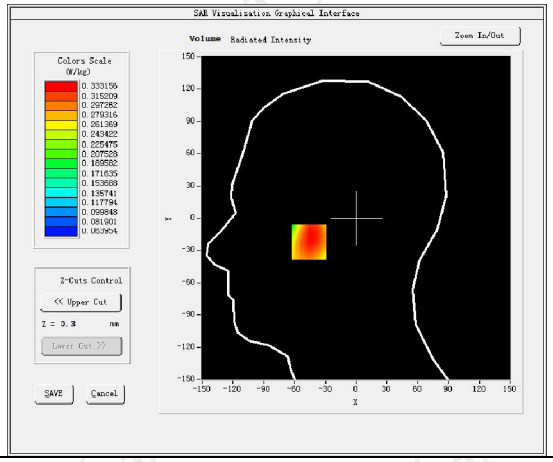
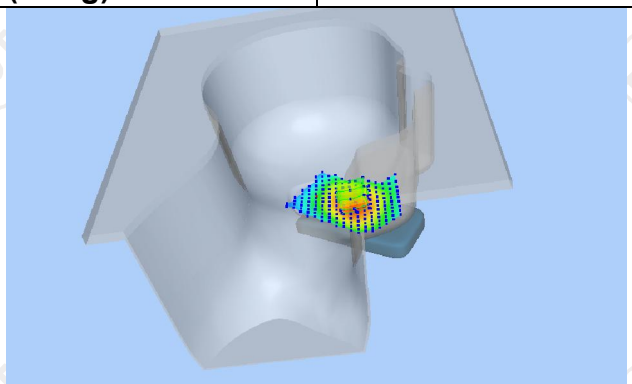
12. SAR Test Data

GSM850

MEASUREMENT 1

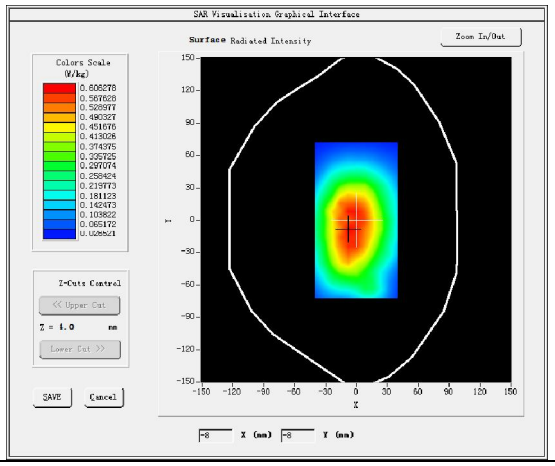
High Band SAR (Channel 189): Date: 14/03/2016

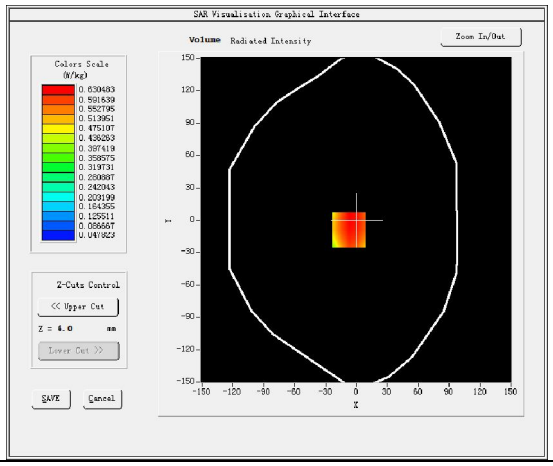
Frequency (MHz)	836.400024
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	-1.250000
Crest Factor:	8.3
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	GSM850(voice)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-46.00, Y=-22.00 SAR Peak: 0.48W/kg	
SAR 10g (W/Kg)	0.273397
SAR 1g (W/Kg)	0.351244
	

MEASUREMENT 2

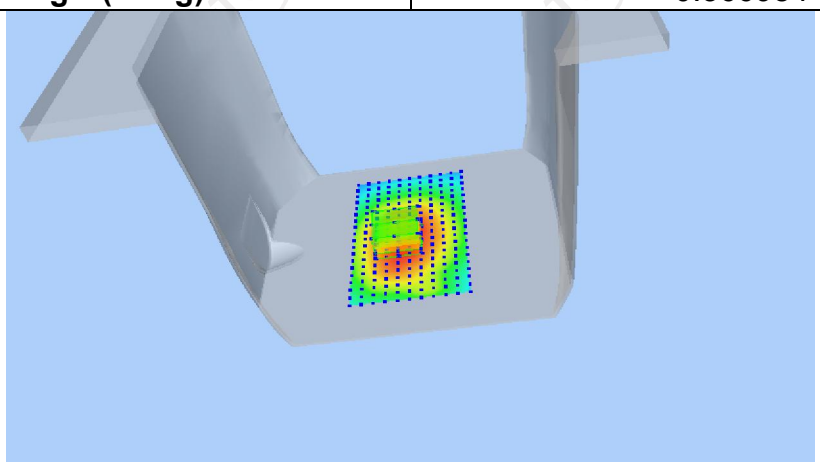
High Band SAR (Channel 189): Date: 14/03/2016

Frequency (MHz)	836.400024
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.978883
Variation (%)	-2.610000
Crest Factor:	8.3
Probe Conversion factor	5.22
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back
Band	GSM850(Voice)
SURFACE SAR	**VOLUME SAR**



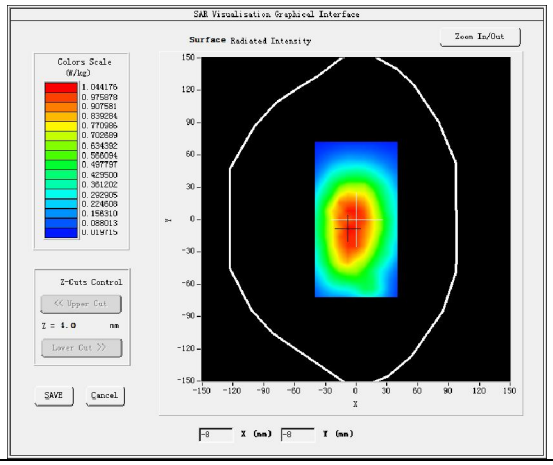
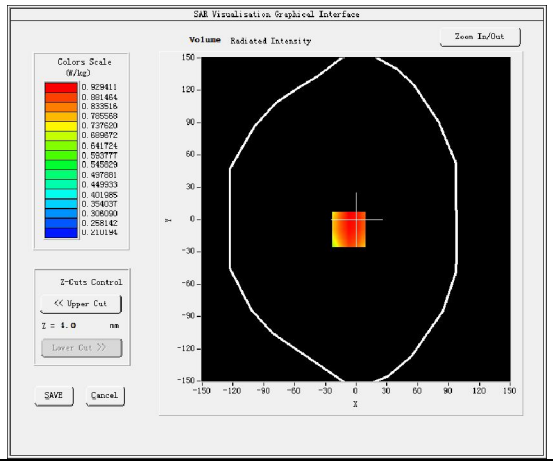
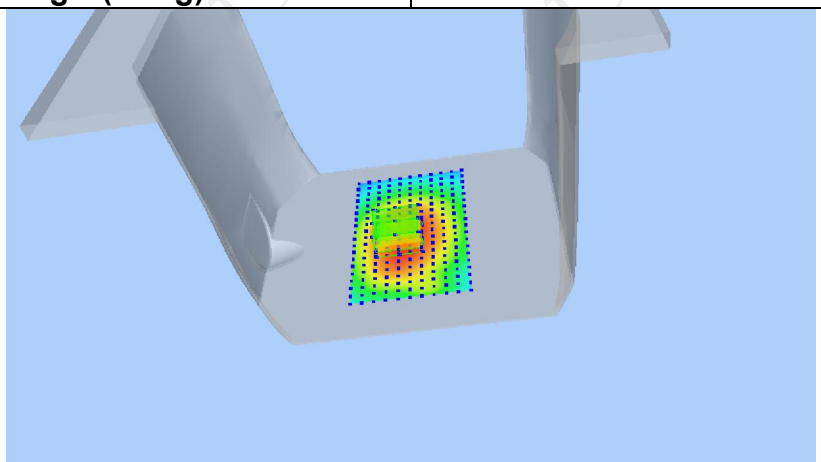


Maximum location: X=-7.00, Y=-9.00 SAR Peak: 0.75 W/kg	
SAR 10g (W/Kg)	0.264742
SAR 1g (W/Kg)	0.366984



MEASUREMENT 3

High Band SAR (Channel 128): Date: 14/03/2016

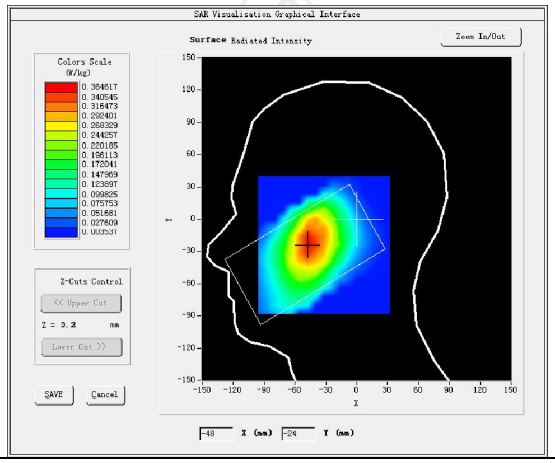
Frequency (MHz)	824.200012
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.978883
Variation (%)	-3.300000
Crest Factor:	2.0
Probe Conversion factor	5.22
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(hotpot)
Band	GSM850(GPRS 2slot)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-7.00, Y=-9.00 SAR Peak: 0.95 W/kg	
SAR 10g (W/Kg)	0.575397
SAR 1g (W/Kg)	0.693410
	

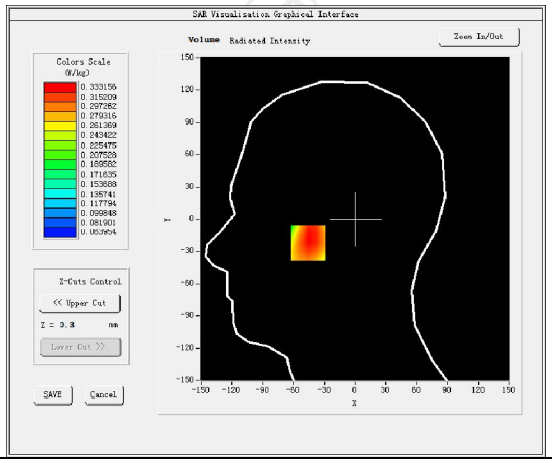
GSM1900

MEASUREMENT 1

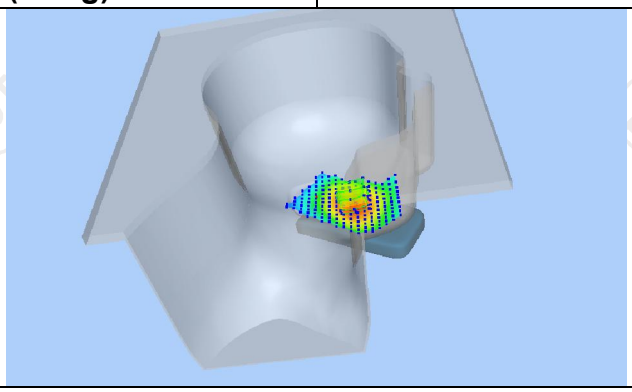
Middle Band SAR (Channel 512): Date: 15/03/2016

Frequency (MHz)	1850.199951
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.337609
Variation (%)	-4.440000
Crest Factor	8.3
Probe Conversion factor	4.86
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	GSM1900(voice)
SURFACE SAR	**VOLUME SAR**



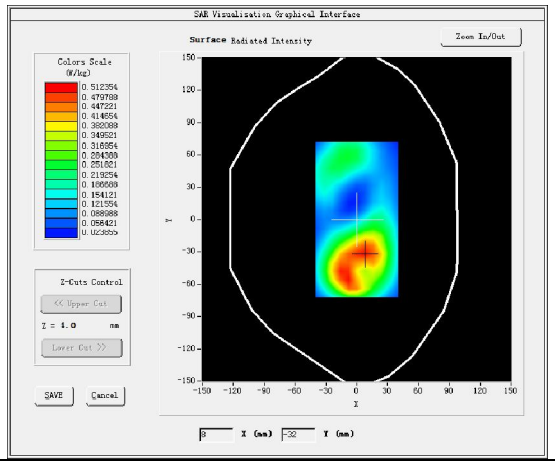
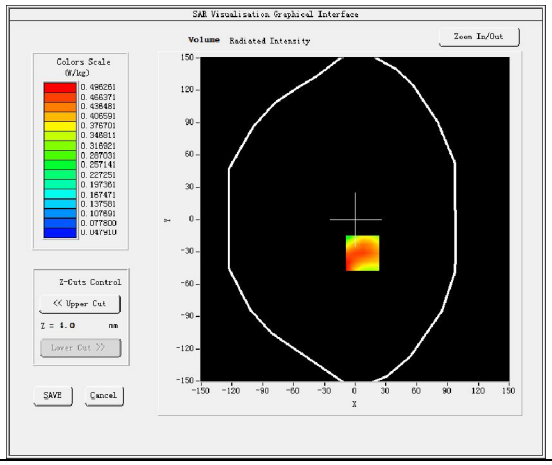


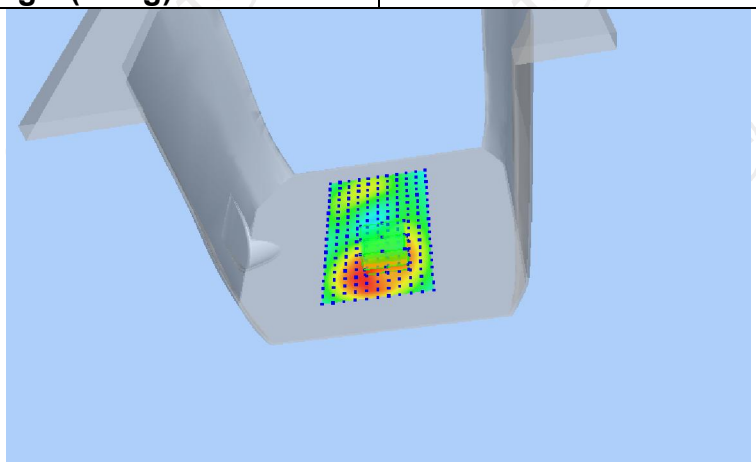
Maximum location: X=-46.00, Y=-22.00 SAR Peak: 0.40 W/kg	
SAR 10g (W/Kg)	0.263397
SAR 1g (W/Kg)	0.338244



MEASUREMENT 2

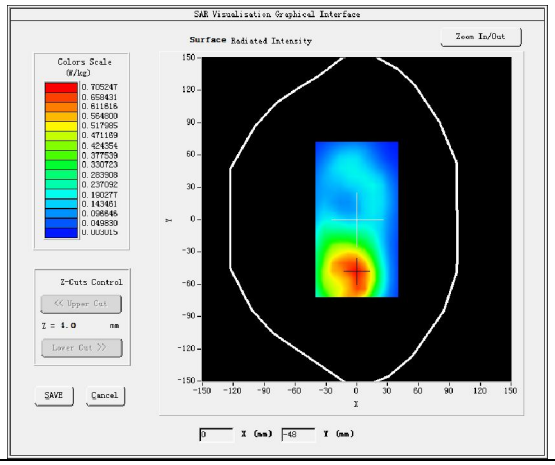
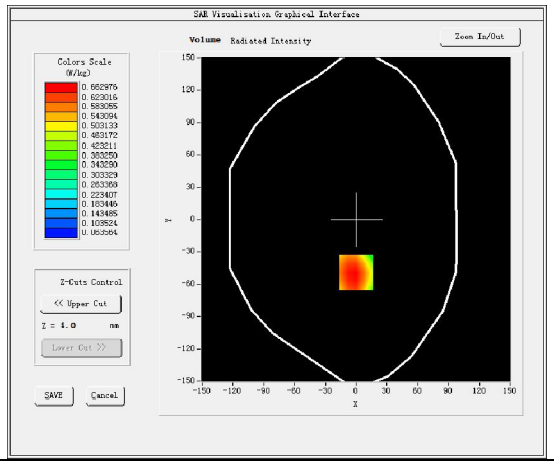
Middle Band SAR (Channel 512): Date: 15/03/2016

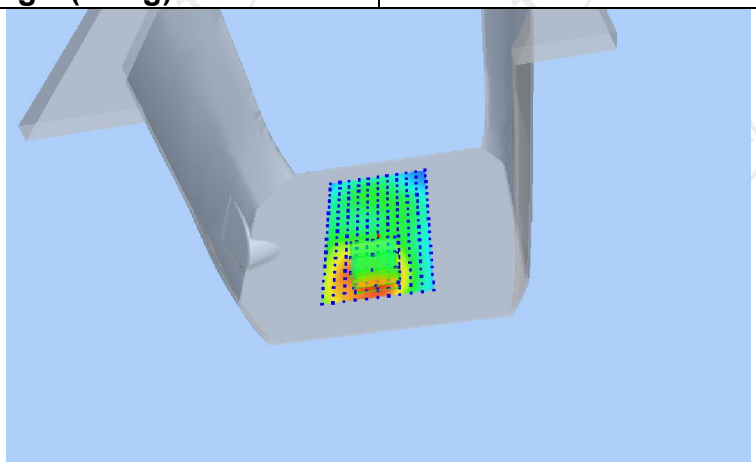
Frequency (MHz)	1850.199951
Relative permittivity (real part)	50.741001
Relative permittivity (imaginary part)	14.232400
Conductivity (S/m)	1.486495
Variation (%)	0.900000
Crest Factor	8.3
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back
Band	GSM1900(voice)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=7.00, Y=-31.00 SAR Peak: 0.78 W/kg	
SAR 10g (W/Kg)	0.283008
SAR 1g (W/Kg)	0.473705



MEASUREMENT 3

Middle Band SAR (Channel 810): Date: 15/03/2016

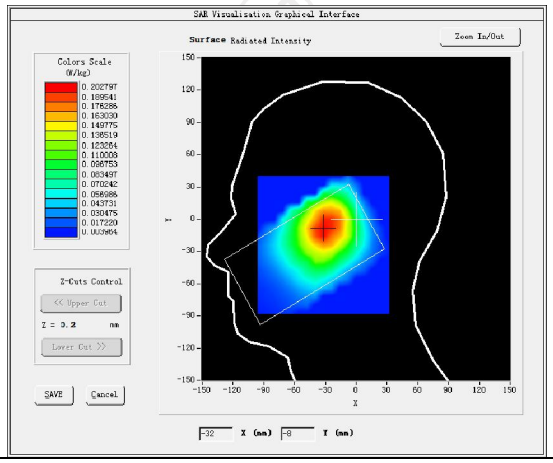
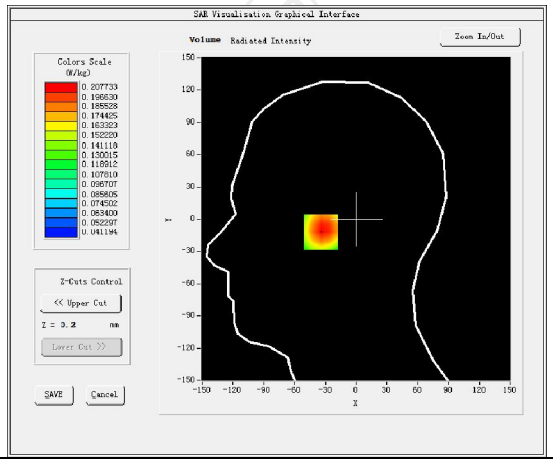
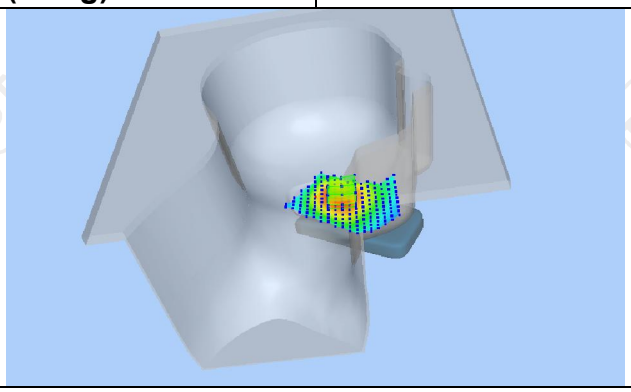
Frequency (MHz)	1909.800049
Relative permittivity (real part)	50.741001
Relative permittivity (imaginary part)	14.232400
Conductivity (S/m)	1.486495
Variation (%)	-2.010000
Crest Factor	2.0
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(hotspot)
Band	GSM1900(GPRS 4slot)
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=0.00, Y=-49.00 SAR Peak: 0.99 W/kg	
SAR 10g (W/Kg)	0.395854
SAR 1g (W/Kg)	0.640468



WCDMA Band II

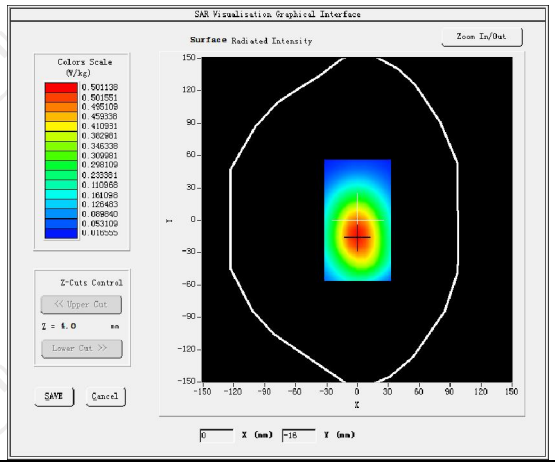
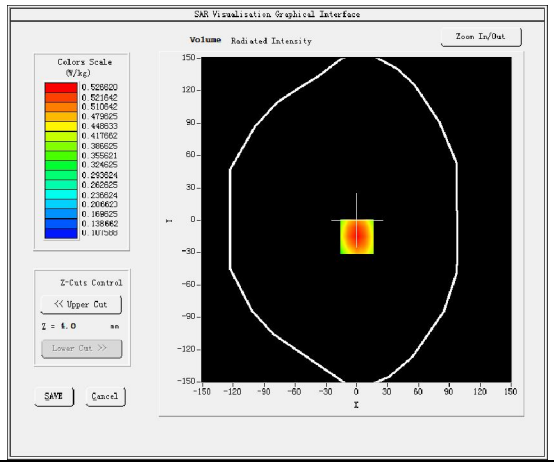
MEASUREMENT 1

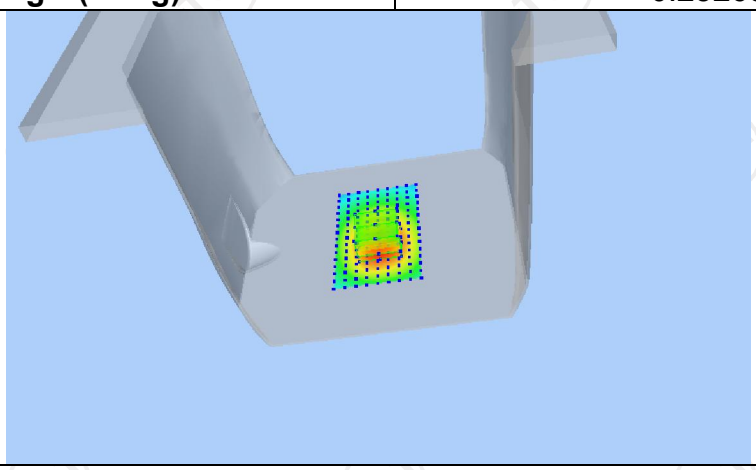
Middle Band SAR (Channel 9262): Date: 15/03/2016

Frequency (MHz)	1852.400024
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.337609
Variation (%)	1.000000
Crest Factor	1.0
Probe Conversion factor	4.86
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	Band2_WCDMA1900
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-32.00, Y=-12.00 SAR Peak: 0.27 W/kg	
SAR 10g (W/Kg)	0.143803
SAR 1g (W/Kg)	0.200939
	

MEASUREMENT 2

Middle Band SAR (Channel 9262): Date: 15/03/2016

Frequency (MHz)	1852.400024
Relative permittivity (real part)	50.741001
Relative permittivity (imaginary part)	14.232400
Conductivity (S/m)	1.486495
Variation (%)	-0.364010
Crest Factor	1.0
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back
Band	Band2_WCDMA1900
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=1.00, Y=-15.00SAR Peak: 1.06 W/kg	
SAR 10g (W/Kg)	0.137754
SAR 1g (W/Kg)	0.252654



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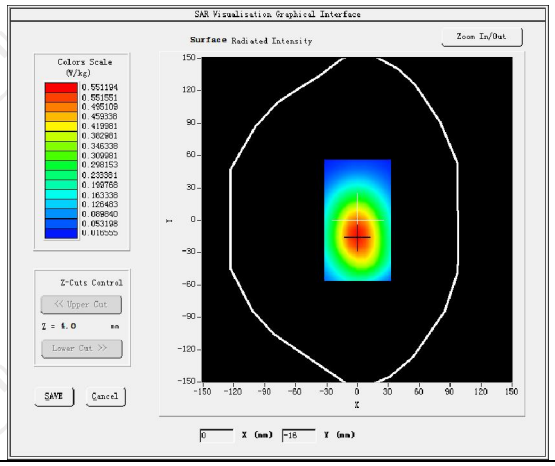
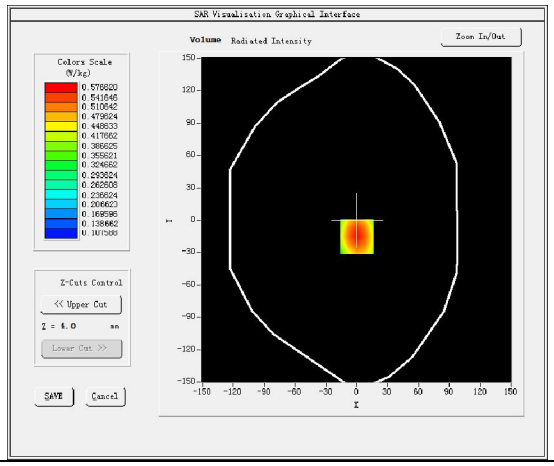
MEASUREMENT 3

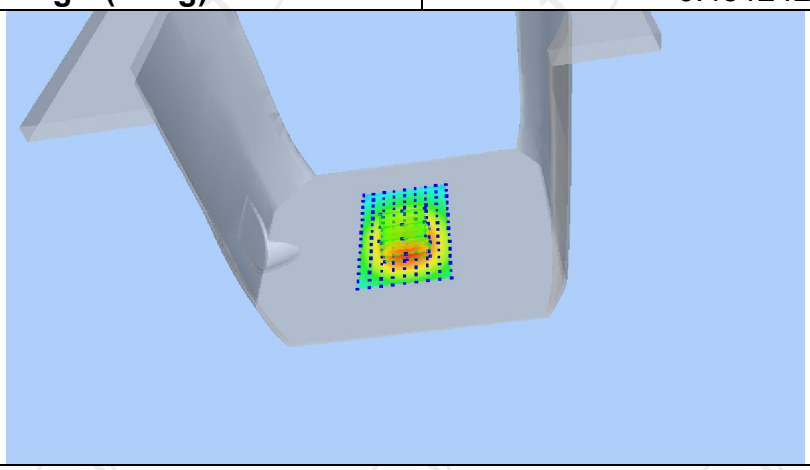
Middle Band SAR (Channel 9262): Date: 15/03/2016

Frequency (MHz)	1852.400024
Relative permittivity (real part)	50.741001
Relative permittivity (imaginary part)	14.232400
Conductivity (S/m)	1.486495
Variation (%)	-3.014010
Crest Factor	1.0
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(hotpot)
Band	Band2_WCDMA1900
SURFACE SAR	**VOLUME SAR**





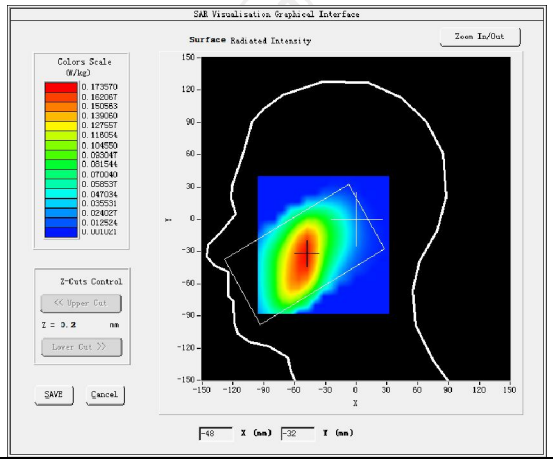
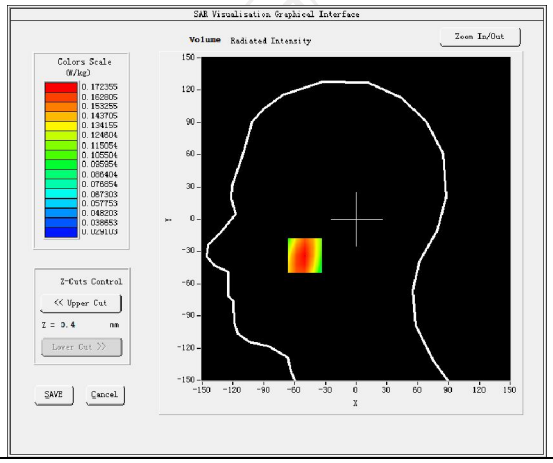
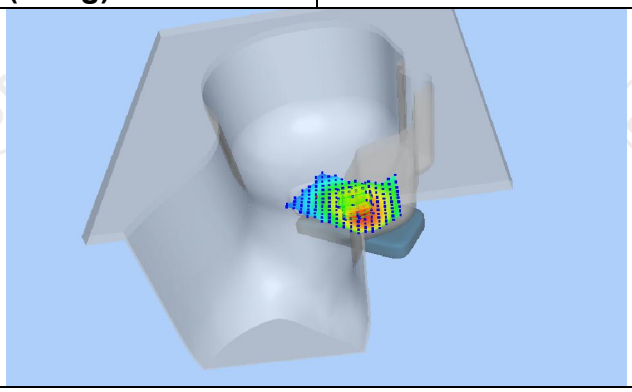
Maximum location: X=1.00, Y=-15.00SAR Peak: 1.23 W/kg	
SAR 10g (W/Kg)	0.337851
SAR 1g (W/Kg)	0.451242



WCDMA Band V

MEASUREMENT 1

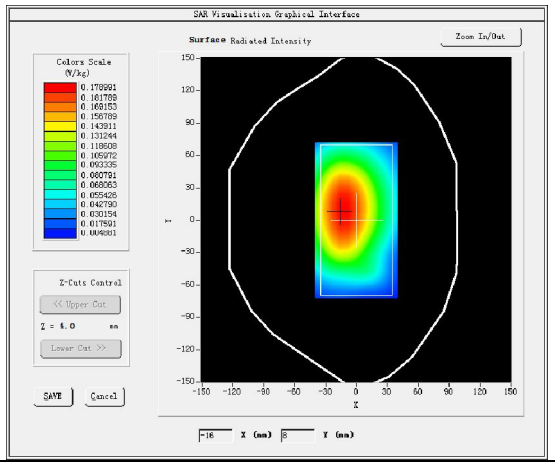
Low Band SAR (Channel 4233): Date: 14/03/2016

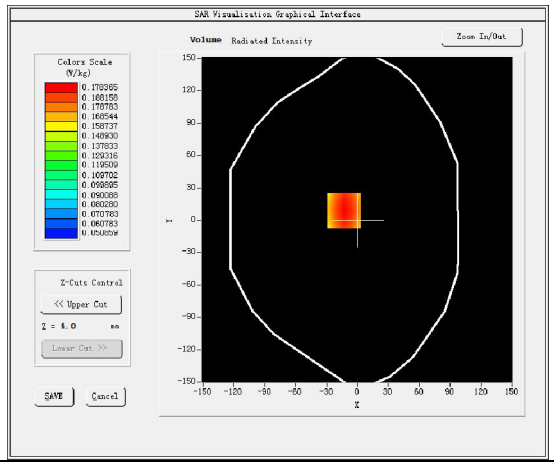
Frequency (MHz)	846.599976
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	1.010000
Crest Factor:	8.3
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Left head
Device Position	Cheek
Band	BAND5_WCDMA850
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-50.00, Y=-34.00 SAR Peak: 0.22 W/kg	
SAR 10g (W/Kg)	0.121144
SAR 1g (W/Kg)	0.166325
	

MEASUREMENT 2

Low Band SAR (Channel 4233): Date: 14/03/2016

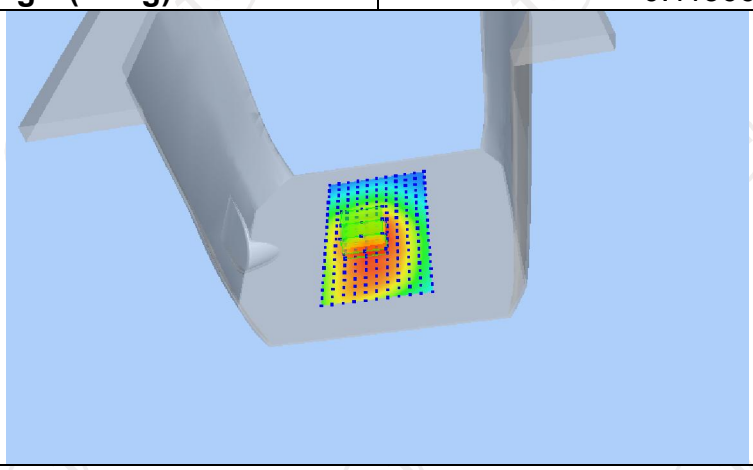
Frequency (MHz)	846.599976
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.978883
Variation (%)	0.240000
Crest Factor:	8.3
Probe Conversion factor	5.22
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back
Band	BAND5_WCDMA850
SURFACE SAR	**VOLUME SAR**





Maximum location: X=-13.00, Y=9.00 SAR Peak: 0.20/kg

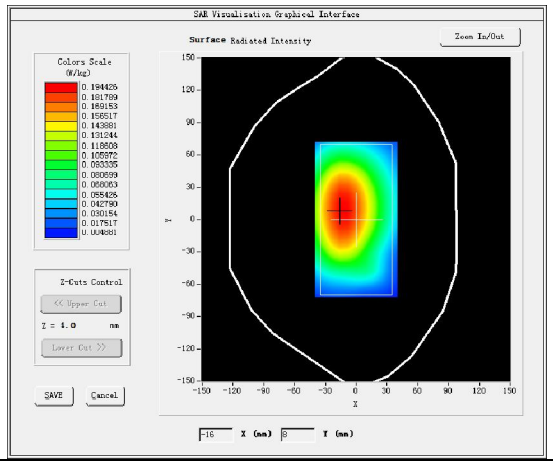
SAR 10g (W/Kg)	0.100144
SAR 1g (W/Kg)	0.113660

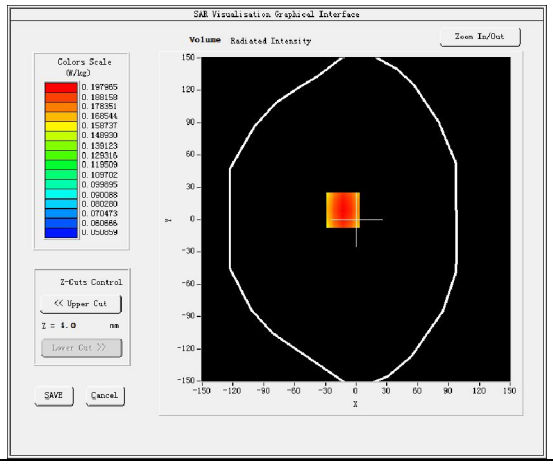


MEASUREMENT 3

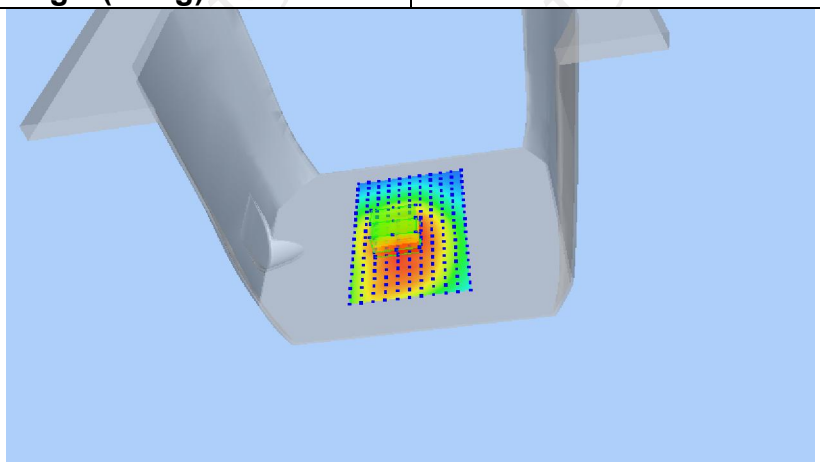
Low Band SAR (Channel 4233): Date: 14/03/2016

Frequency (MHz)	846.599976
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.978883
Variation (%)	0.240000
Crest Factor:	2.0
Probe Conversion factor	5.22
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(hotpot)
Band	BAND5_WCDMA850
SURFACE SAR	**VOLUME SAR**





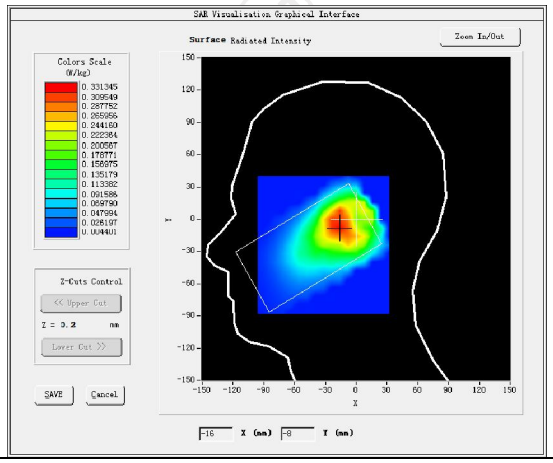
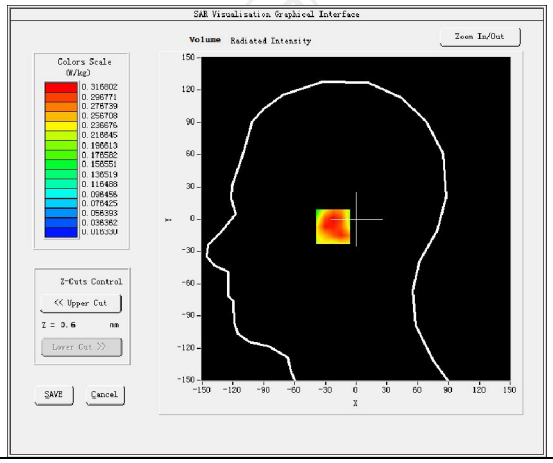
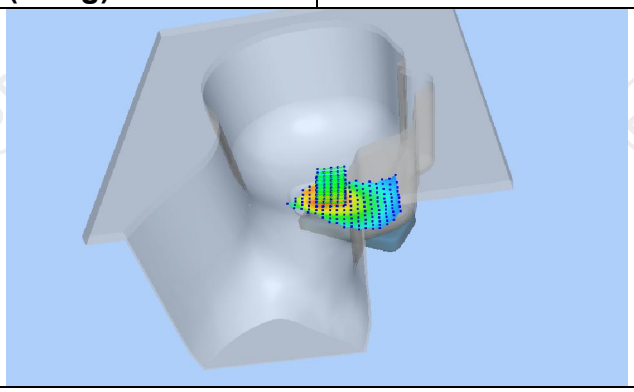
Maximum location: X=-13.00, Y=9.00 SAR Peak: 0.25 W/kg	
SAR 10g (W/Kg)	0.141344
SAR 1g (W/Kg)	0.191260



WLAN 2.4

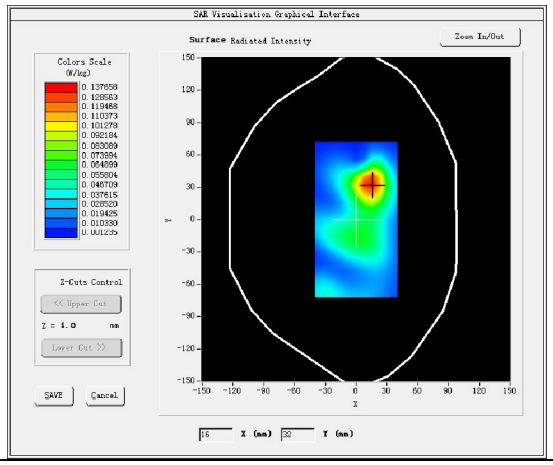
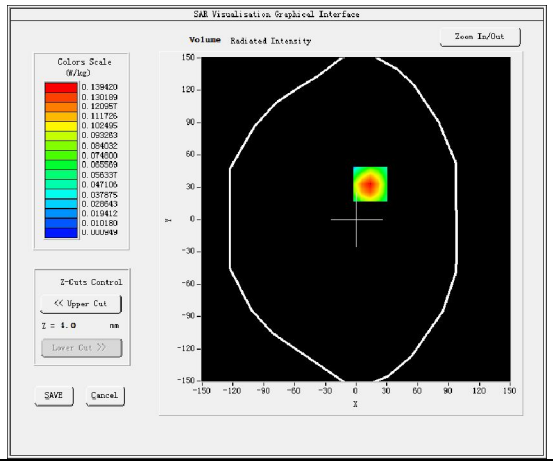
MEASUREMENT 1

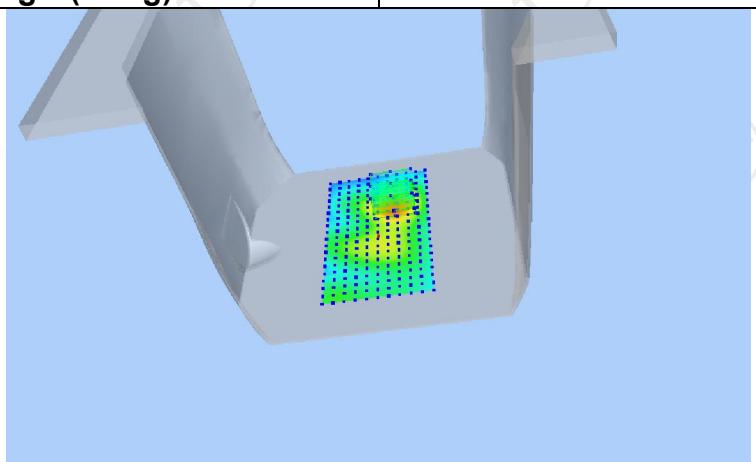
Middle Band SAR (Channel 1): Date: 16/03/2016

Frequency (MHz)	2412.000000
Relative permittivity (real part)	37.821613
Relative permittivity (imaginary part)	13.546980
Conductivity (S/m)	1.834111
Variation (%)	0.090000
Crest Factor	1.0
Probe Conversion factor	4.21
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Left head
Band	IEEE 802.11b ISM
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=-15.00, Y=-8.00 SAR Peak: 0.36 W/kg	
SAR 10g (W/Kg)	0.104444
SAR 1g (W/Kg)	0.140409
	

MEASUREMENT 2

Middle Band SAR (Channel 1): Date: 16/03/2016

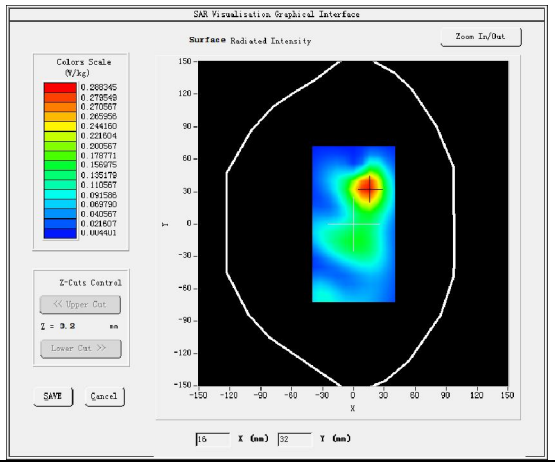
Frequency (MHz)	2412.000000
Relative permittivity (real part)	52.710667
Relative permittivity (imaginary part)	14.318444
Conductivity (S/m)	1.942536
Variation (%)	-0.560000
Crest Factor	1.0
Probe Conversion factor	4.36
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back
Band	IEEE 802.11b ISM
SURFACE SAR	**VOLUME SAR**
	
Maximum location: X=14.00, Y=33.00 SAR Peak: 0.22 W/kg	
SAR 10g (W/Kg)	0.073224
SAR 1g (W/Kg)	0.102529

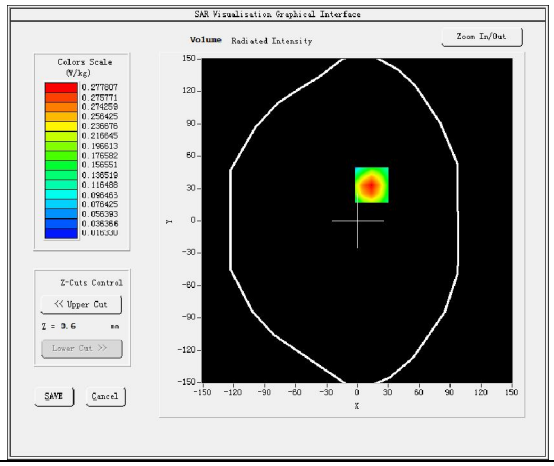


MEASUREMENT 3

Middle Band SAR (Channel 1): Date: 16/03/2016

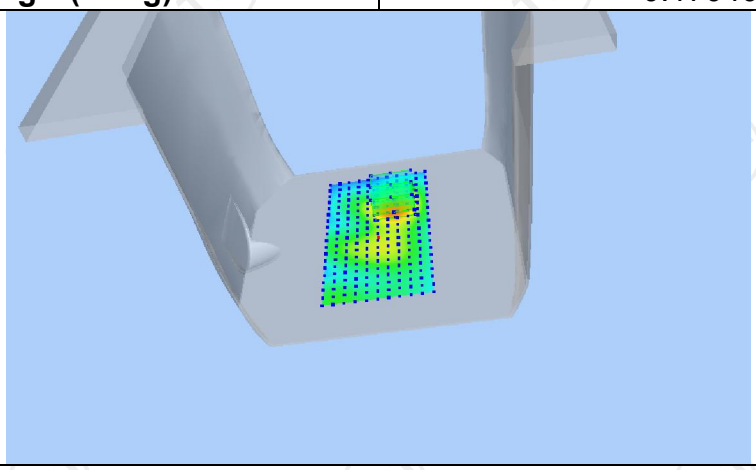
Frequency (MHz)	2412.000000
Relative permittivity (real part)	54.616199
Relative permittivity (imaginary part)	14.930150
Conductivity (S/m)	2.012159
Variation (%)	2.330000
Crest Factor	1.0
Probe Conversion factor	4.36
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body Back(hotspot)
Band	IEEE 802.11b ISM
SURFACE SAR	**VOLUME SAR**



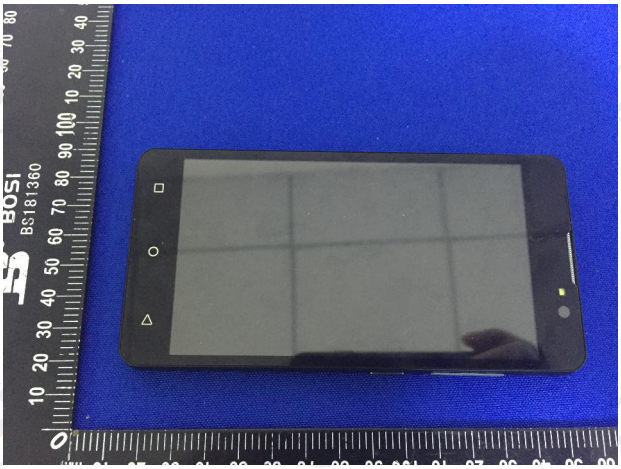


Maximum location: X=16.00, Y=32.00 SAR Peak: 0.29 W/kg

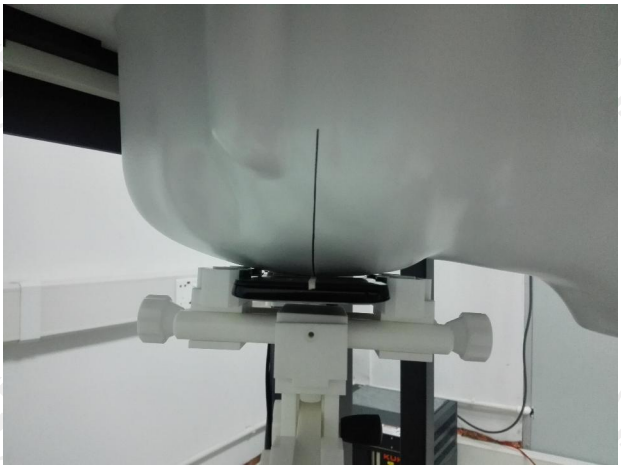
SAR 10g (W/Kg)	0.114444
SAR 1g (W/Kg)	0.170409



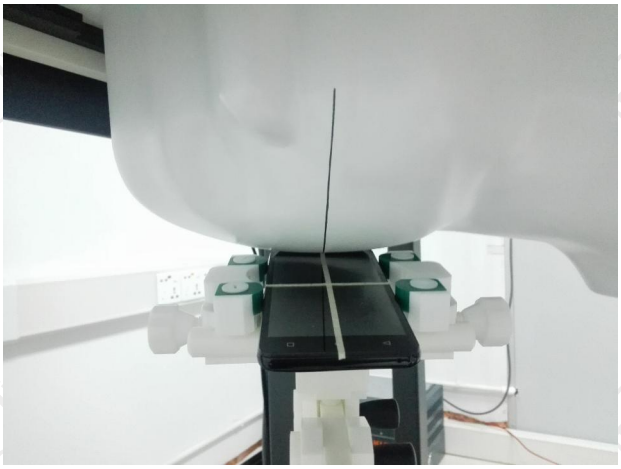
Appendix A: EUT Photos



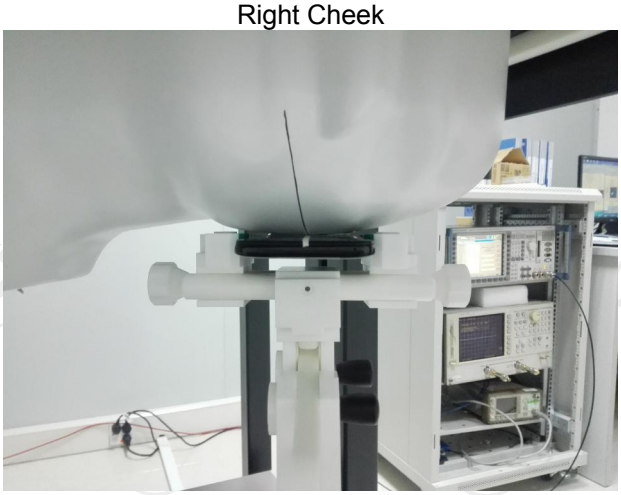
Appendix B: Test Setup Photos



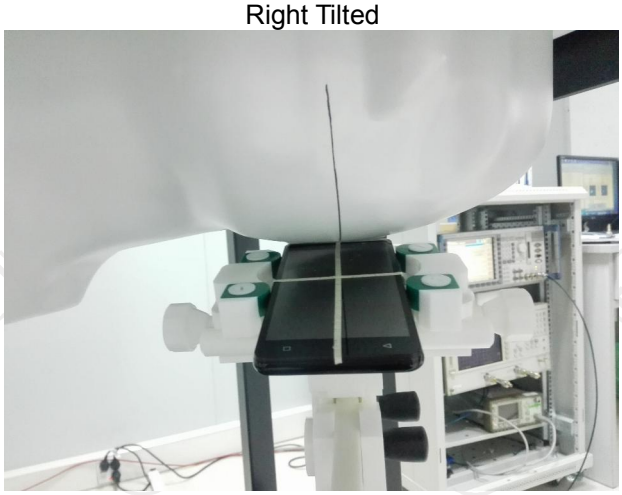
Right Cheek



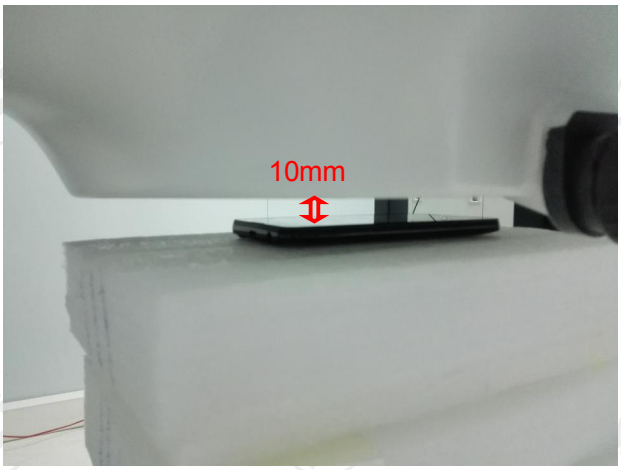
Right Tilted



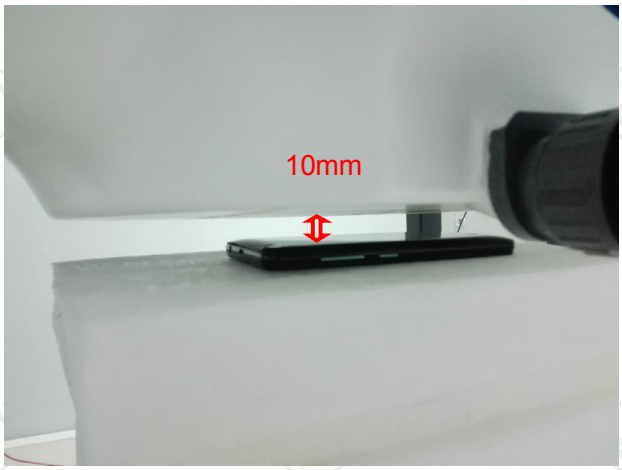
Left Cheek



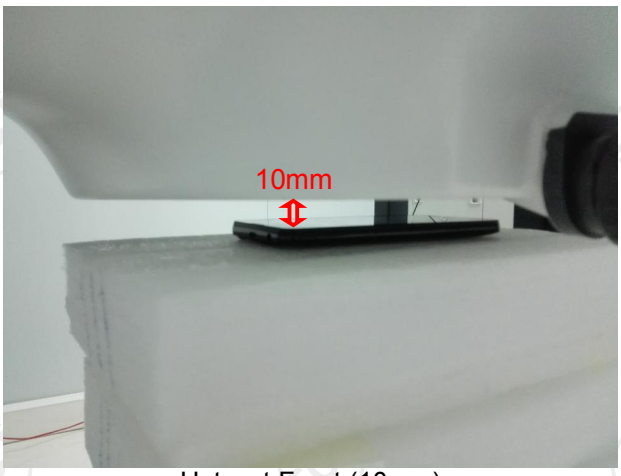
Left Tilted



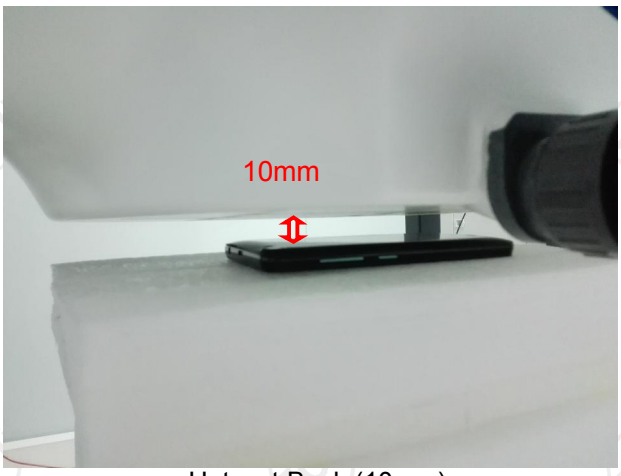
Body worn – Front(10 mm)



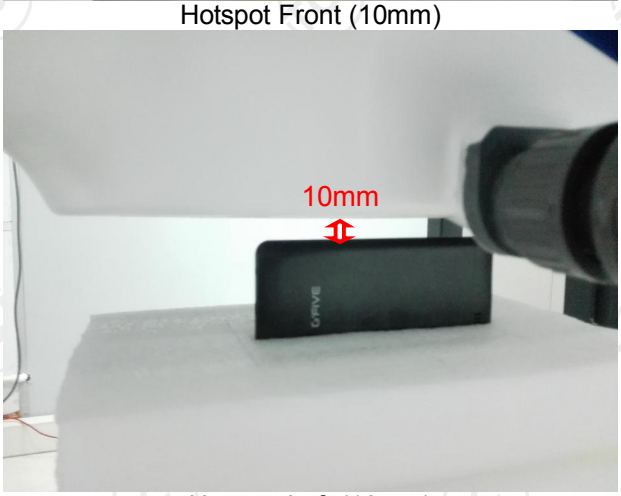
Body worn – Back(10 mm)



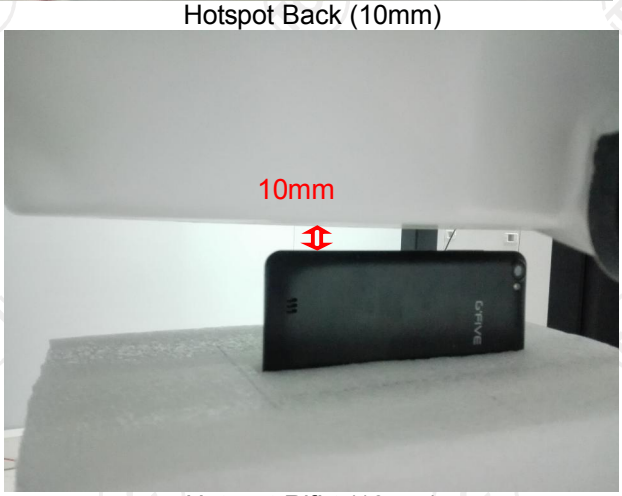
Hotspot Front (10mm)



Hotspot Back (10mm)

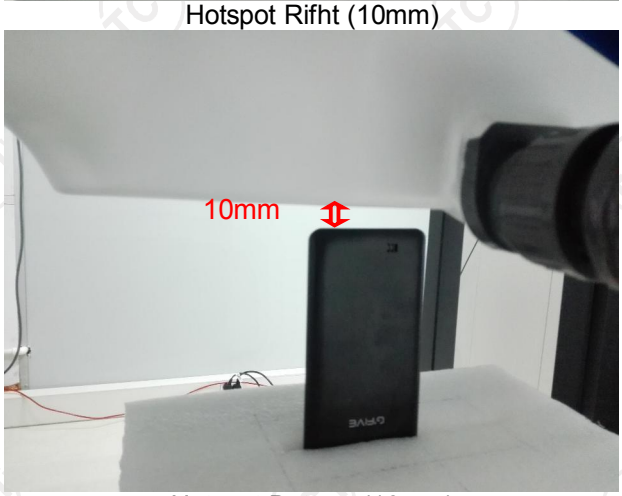


Hotspot Left (10mm)



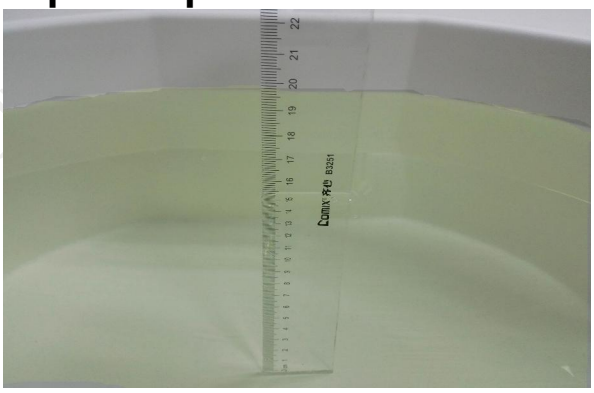
Hotspot Rifht (10mm)

Hotspot Top (10mm)



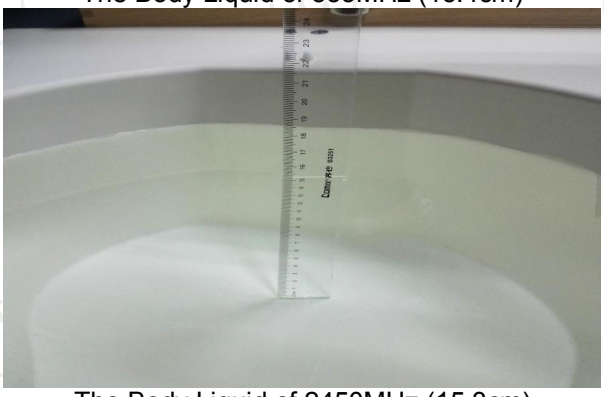
Hotspot Bottom (10mm)

Liquid depth

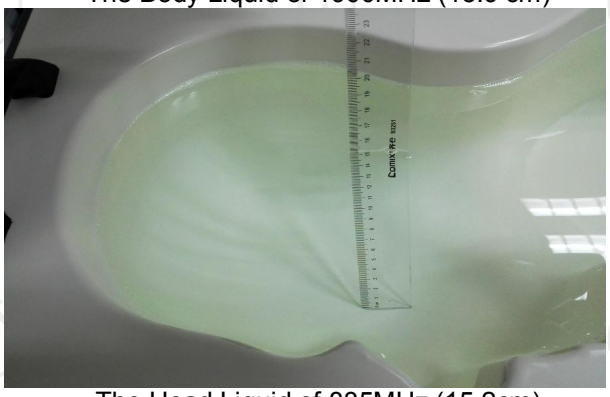


The Body Liquid of 835MHz (15.4cm)

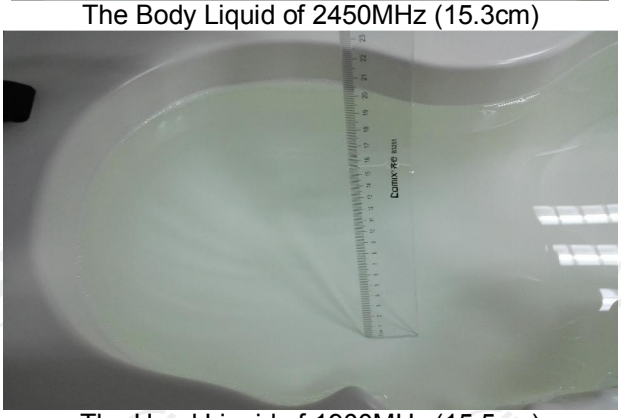
The Body Liquid of 1900MHz (15.9 cm)



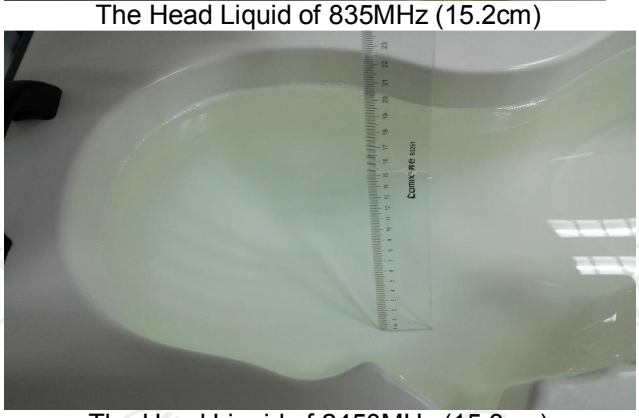
The Body Liquid of 2450MHz (15.3cm)



The Head Liquid of 835MHz (15.2cm)



The Head Liquid of 1900MHz (15.5cm)



The Head Liquid of 2450MHz (15.3cm)