Annex B: Measurement Results

Project Name : T349

Report Number: FCC16073806-4

I. RESULTS

TYPE	BAND	PARAMETERS
Phone	**GSM850**	Measurement 1: Right Head with Cheek device position on Low Channel in GSM mode
Phone	**GSM850**	Measurement 2: Right Head with Cheek device position on Middle Channel in GSM mode
Phone	**GSM850**	Measurement 3: Right Head with Cheek device position on High Channel in GSM mode
Phone	**GSM850**	Measurement 4: Left Head with Cheek device position on Middle Channel in GSM mode
Phone	**GSM850**	Measurement 5: Left Head with Tilt device position on Middle Channel in GSM mode
Phone	**GSM850**	Measurement 6: Validation Plane with Body device position on Middle Channel in GSM mode
Phone	**GSM1900**	Measurement 7: Right Head with Cheek device position on Middle Channel in GSM mode
Phone	**GSM1900**	Measurement 8: Right Head with Tilt device position on Middle Channel in GSM mode
Phone	**GSM1900**	Measurement 9: Left Head with Cheek device position on Middle Channel in GSM mode

Phone	**GSM1900**	Measurement 10: Left Head with Tilt device position on Low Channel in GSM mode
Phone	**GSM1900**	Measurement 11: Left Head with Tilt device position on Middle Channel in GSM mode
Phone	**GSM1900**	Measurement 12: Left Head with Tilt device position on High Channel in GSM mode
Phone	**GSM1900**	Measurement 13: Validation Plane with Body device position on Low Channel in GSM mode
Phone	**CUSTOM**	Measurement 14: Validation Plane with Body device position (band GPRS850_4Tx)
Phone	**CUSTOM**	Measurement 15: Validation Plane with Body device position (band GPRS850_4Tx)
Phone	**CUSTOM**	Measurement 16: Validation Plane with Body device position (band GPRS850_4Tx)
Phone	**CUSTOM**	Measurement 17: Validation Plane with Body device position (band GPRS850_4Tx)
Phone	**CUSTOM**	Measurement 18: Validation Plane with Body device position (band GPRS1900_4Tx)
Phone	**CUSTOM**	Measurement 19: Validation Plane with Body device position (band GPRS1900_4Tx)
Phone	**CUSTOM**	Measurement 20: Validation Plane with Body device position (band GPRS1900_4Tx)
Phone	**CUSTOM**	Measurement 21: Validation Plane with Body device position (band GPRS1900_4Tx)
Phone	**GSM850**	Measurement 22: Left Head with Cheek device position on Middle Channel in GSM mode
Phone	**GSM850**	Measurement 23: Left Head with Tilt device position on Middle Channel in GSM mode
Phone	**GSM850**	Measurement 24: Validation Plane with Body device position on Middle Channel in GSM mode
Phone	**GSM1900**	Measurement 25: Left Head with Tilt device position on Middle Channel in GSM mode
Phone	**GSM1900**	Measurement 26: Validation Plane with Body device position on Low Channel in GSM mode

MEASUREMENT 1

Type: Phone measurement (Complete)

Date of measurement: 16/7/2016

Measurement duration: 9 minutes 9 seconds

A. Experimental conditions.

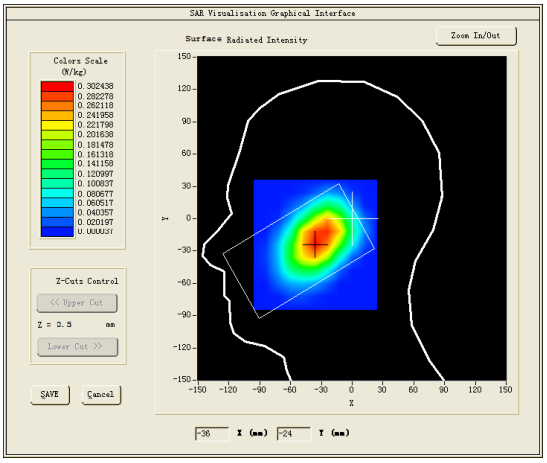
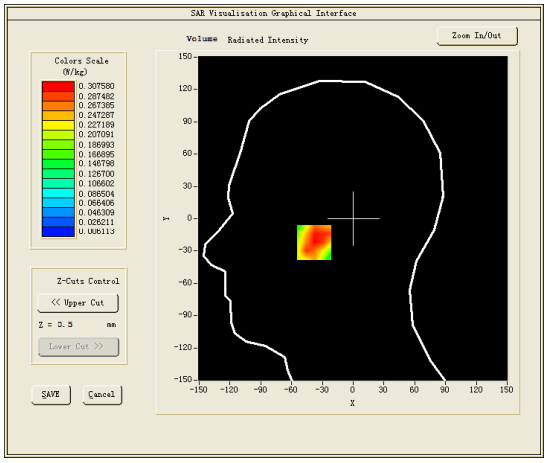
Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	GSM850
Channels	Low
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.93

B. SAR Measurement Results

Lower Band SAR (Channel 128):

Frequency (MHz)	824.200012
Relative permittivity (real part)	41.594379
Relative permittivity (imaginary part)	19.357260
Conductivity (S/m)	0.886347

Variation (%)	1.530000

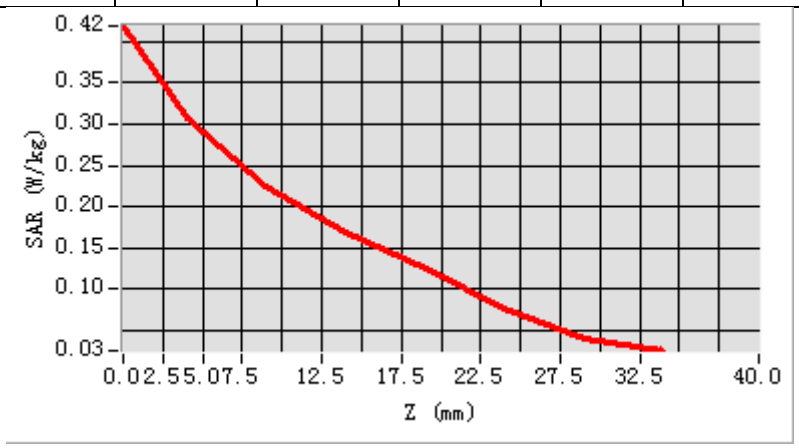
SURFACE SAR	**VOLUME SAR**
	

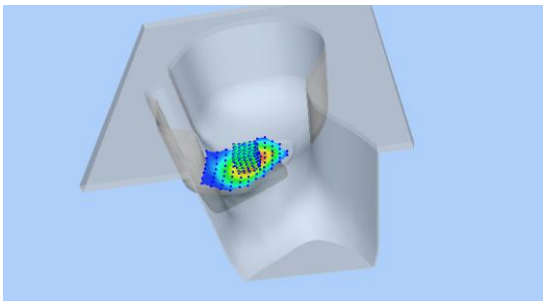
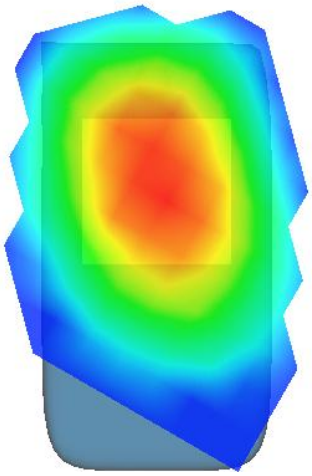
Maximum location: X=-35.00, Y=-22.00

SAR Peak: 0.43 W/kg

SAR 10g (W/Kg)	0.197391
SAR 1g (W/Kg)	0.304747

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4183	0.3076	0.2237	0.1699	0.1244	0.0773	0.0400



3D screen shot	Hot spot position
	

MEASUREMENT 2

Type: Phone measurement (Complete)

Date of measurement: 16/7/2016

Measurement duration: 8 minutes 53 seconds

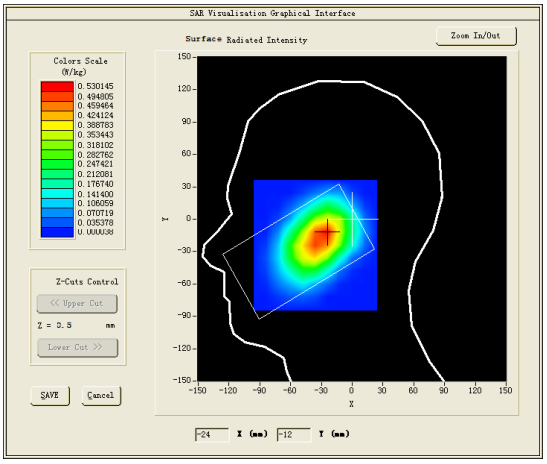
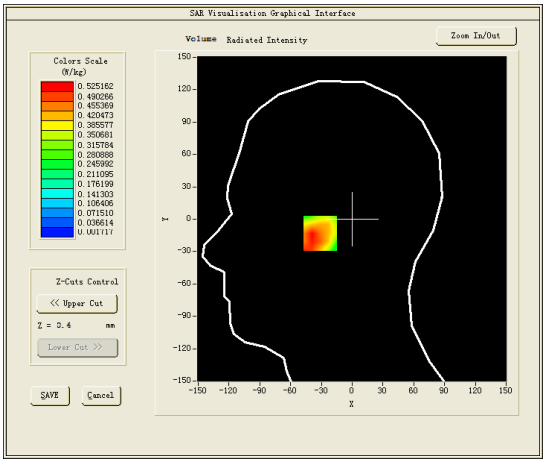
A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	GSM850
Channels	Middle
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.93

B. SAR Measurement Results

Middle Band SAR (Channel 190):

Frequency (MHz)	836.599976
Relative permittivity (real part)	41.517799
Relative permittivity (imaginary part)	19.492121
Conductivity (S/m)	0.905950
Variation (%)	1.750000

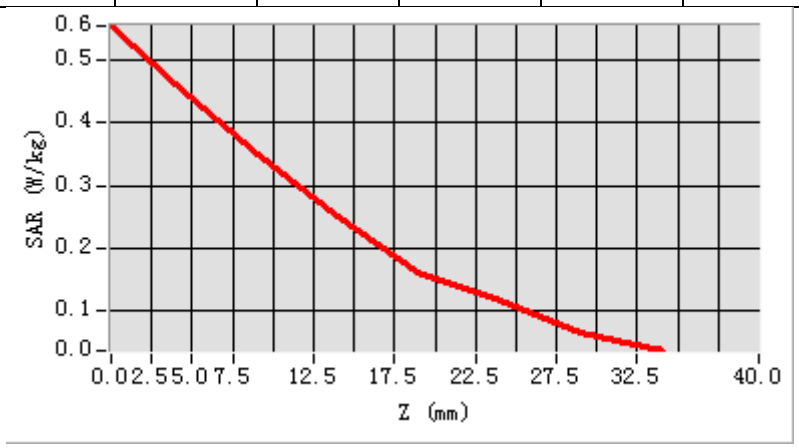
SURFACE SAR	VOLUME SAR
	

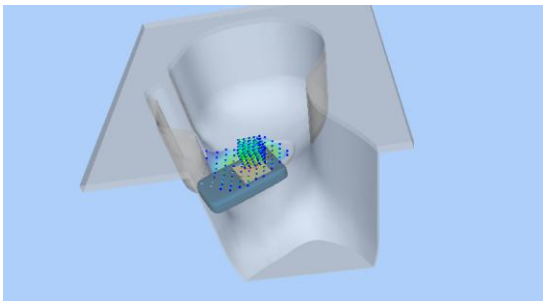
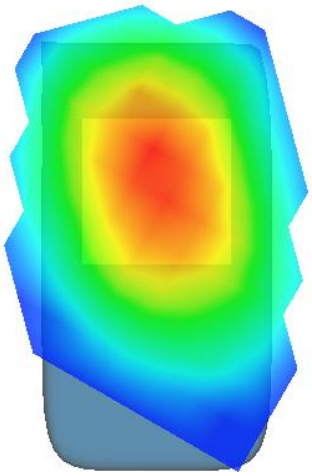
Maximum location: X=-26.00, Y=-13.00

SAR Peak: 0.67 W/kg

SAR 10g (W/Kg)	0.339526
SAR 1g (W/Kg)	0.484683

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5533	0.4621	0.3487	0.2501	0.1609	0.1186	0.0662



3D screen shot	Hot spot position
	

MEASUREMENT 3

Type: Phone measurement (Complete)

Date of measurement: 16/7/2016

Measurement duration: 8 minutes 59 seconds

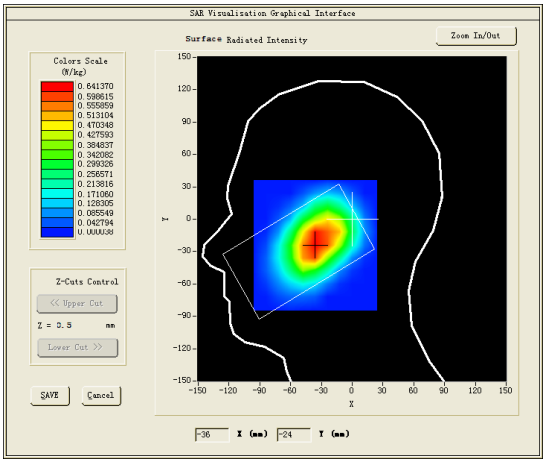
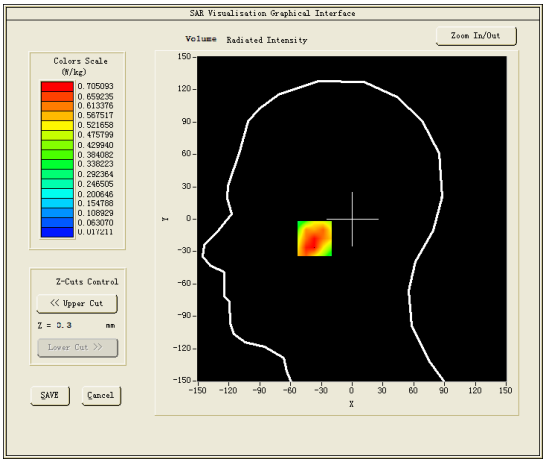
A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	GSM850
Channels	High
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.93

B. SAR Measurement Results

Higher Band SAR (Channel 251):

Frequency (MHz)	848.799988
Relative permittivity (real part)	41.398041
Relative permittivity (imaginary part)	19.569880
Conductivity (S/m)	0.922829
Variation (%)	1.840000

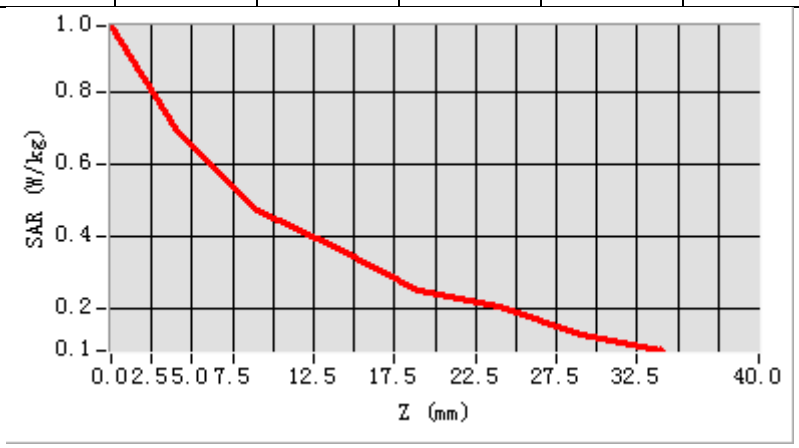
SURFACE SAR	VOLUME SAR
	

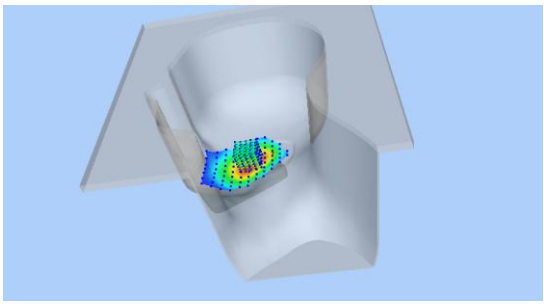
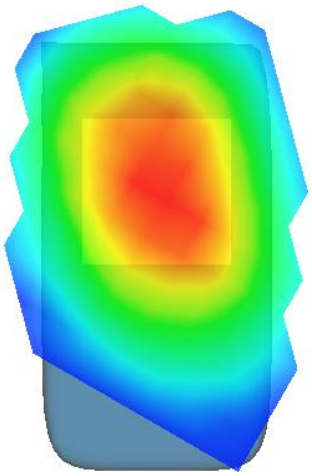
Maximum location: X=-33.00, Y=-18.00

SAR Peak: 1.11 W/kg

SAR 10g (W/Kg)	0.448572
SAR 1g (W/Kg)	0.770939

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.9839	0.6996	0.4696	0.3676	0.2451	0.2018	0.1249



3D screen shot	Hot spot position
	

MEASUREMENT 4

Type: Phone measurement (Complete)

Date of measurement: 16/7/2016

Measurement duration: 9 minutes 29 seconds

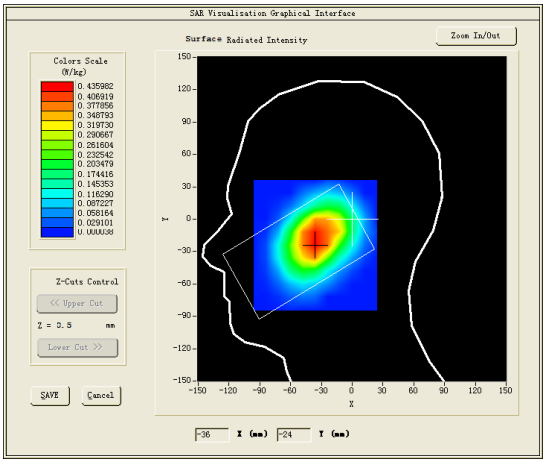
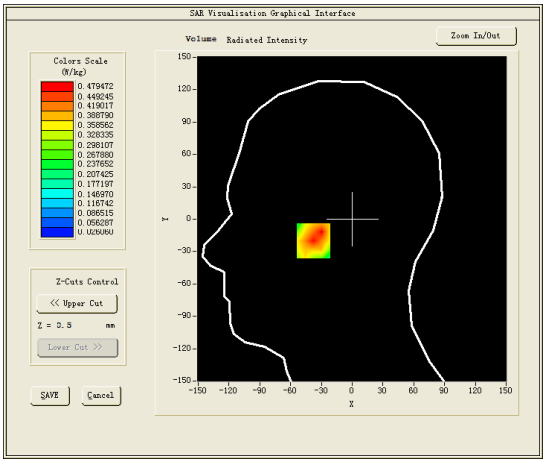
A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	GSM850
Channels	Middle
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.93

B. SAR Measurement Results

Middle Band SAR (Channel 190):

Frequency (MHz)	836.599976
Relative permittivity (real part)	41.517799
Relative permittivity (imaginary part)	19.492121
Conductivity (S/m)	0.905950
Variation (%)	0.160000

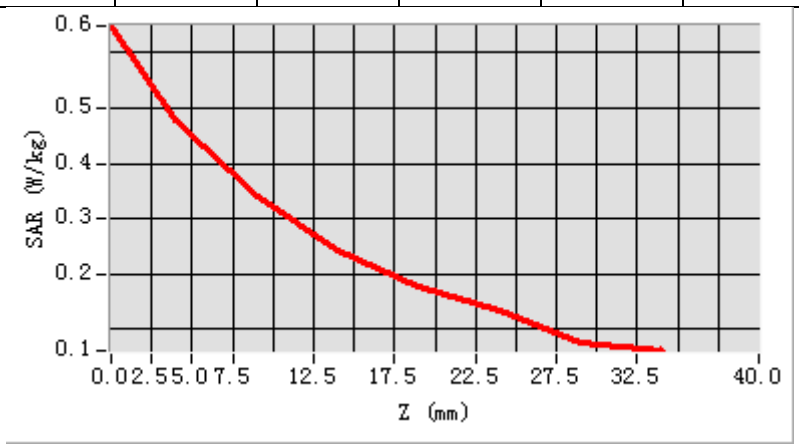
SURFACE SAR	VOLUME SAR
	

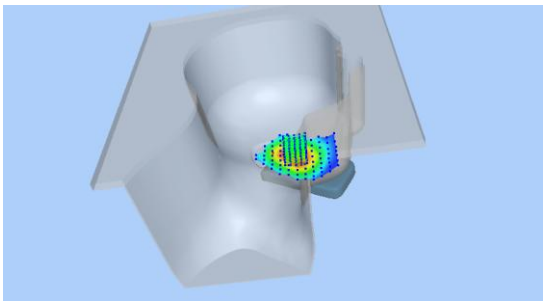
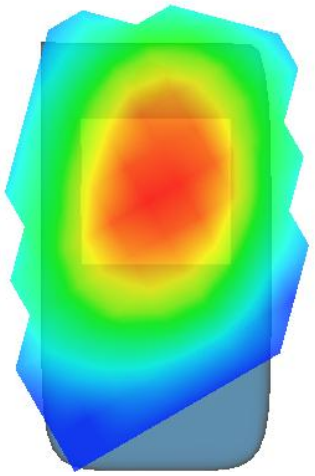
Maximum location: X=-35.00, Y=-20.00

SAR Peak: 0.73 W/kg

SAR 10g (W/Kg)	0.300235
SAR 1g (W/Kg)	0.461241

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6488	0.4767	0.3399	0.2442	0.1763	0.1329	0.0774



3D screen shot	Hot spot position
	

MEASUREMENT 5

Type: Phone measurement (Complete)

Date of measurement: 16/7/2016

Measurement duration: 8 minutes 59 seconds

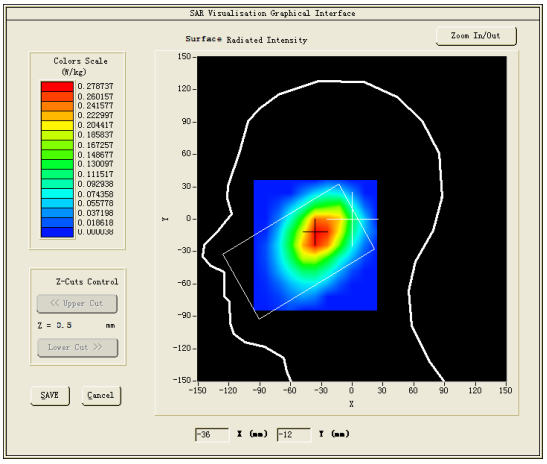
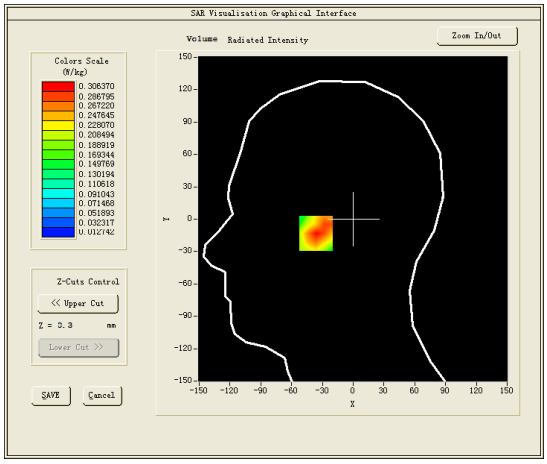
A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Tilt
Band	GSM850
Channels	Middle
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.93

B. SAR Measurement Results

Middle Band SAR (Channel 190):

Frequency (MHz)	836.599976
Relative permittivity (real part)	41.517799
Relative permittivity (imaginary part)	19.492121
Conductivity (S/m)	0.905950
Variation (%)	-2.800000

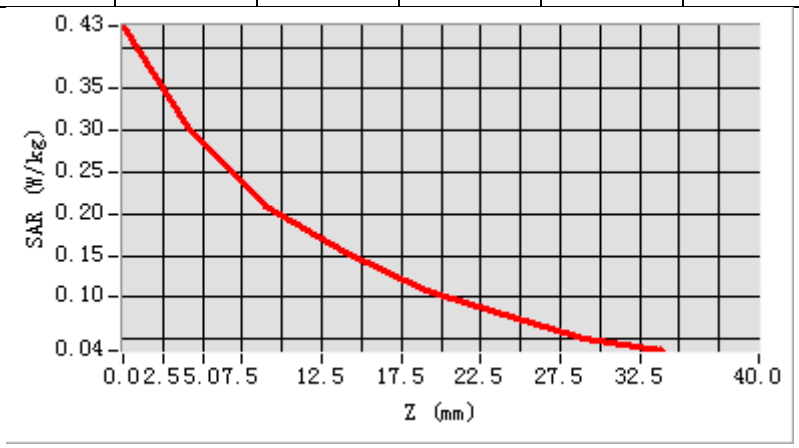
SURFACE SAR	VOLUME SAR
	

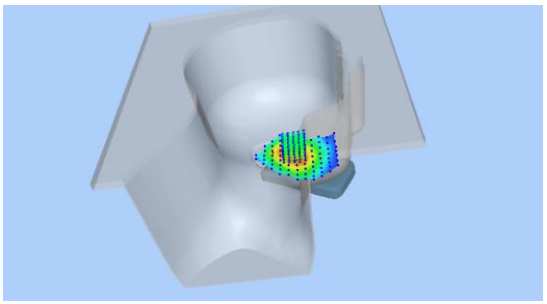
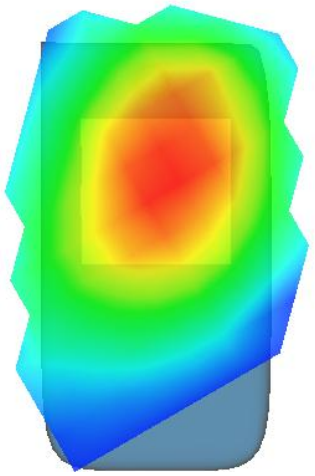
Maximum location: X=-33.00, Y=-13.00

SAR Peak: 0.43 W/kg

SAR 10g (W/Kg)	0.183975
SAR 1g (W/Kg)	0.290563

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4256	0.3064	0.2093	0.1549	0.1082	0.0797	0.0512



3D screen shot	Hot spot position
	

MEASUREMENT 6

Towards-phantom-with-headset-middle

Type: Phone measurement (Complete)

Date of measurement: 16/7/2016

Measurement duration: 11 minutes 37 seconds

A. Experimental conditions.

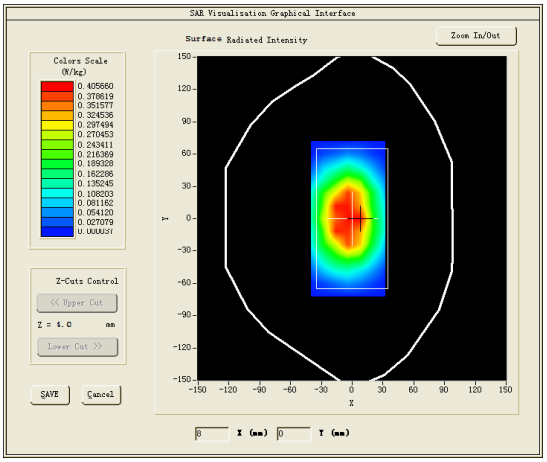
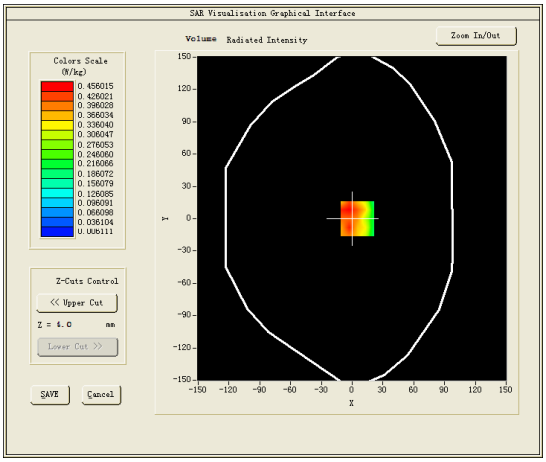
Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	GSM850
Channels	Middle
Signal	GSM(duty cycle : 1:8)
Conversion factor	5.07

B. SAR Measurement Results

Middle Band SAR (Channel 190):

Frequency (MHz)	836.599976
Relative permittivity (real part)	55.267799
Relative permittivity (imaginary part)	20.892120
Conductivity (S/m)	0.971019

Variation (%)	2.490000

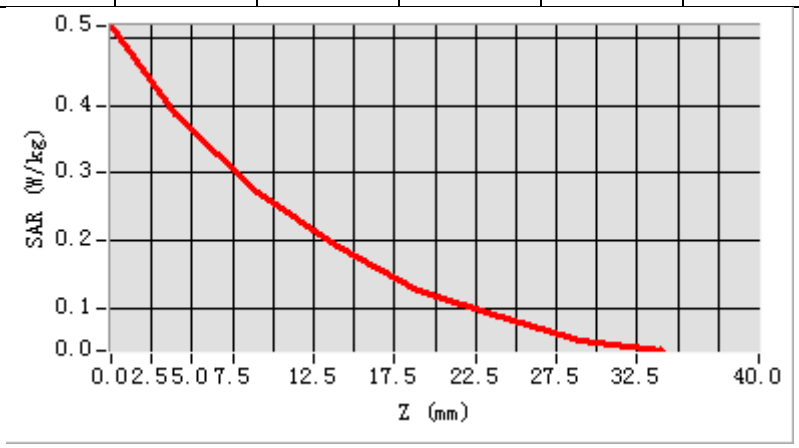
SURFACE SAR	**VOLUME SAR**
	

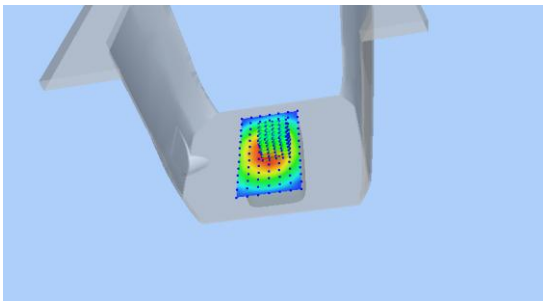
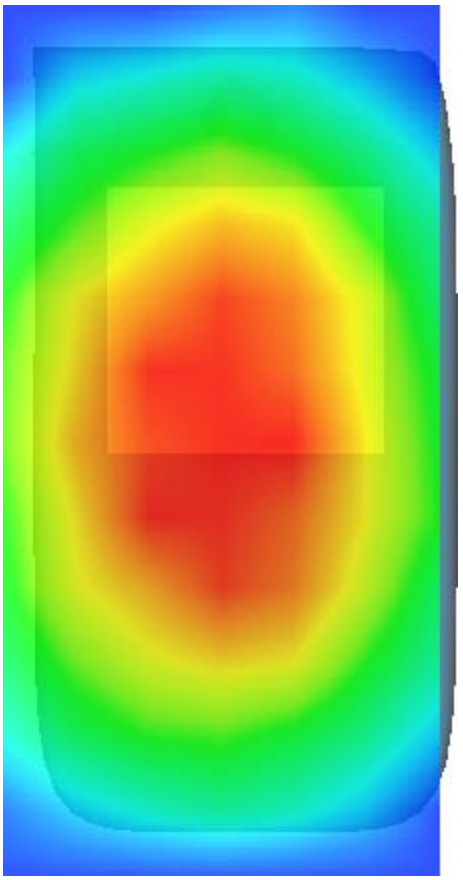
Maximum location: X=5.00, Y=0.00

SAR Peak: 0.72 W/kg

SAR 10g (W/Kg)	0.296481
SAR 1g (W/Kg)	0.460393

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5177	0.3887	0.2722	0.1917	0.1276	0.0886	0.0522



3D screen shot	Hot spot position
	

MEASUREMENT 7

Type: Phone measurement (Complete)

Date of measurement: 18/7/2016

Measurement duration: 9 minutes 37 seconds

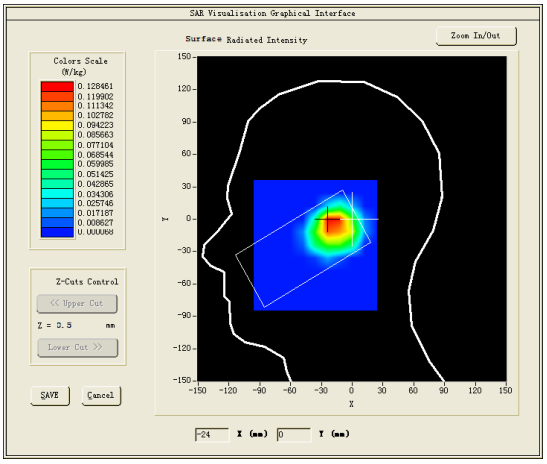
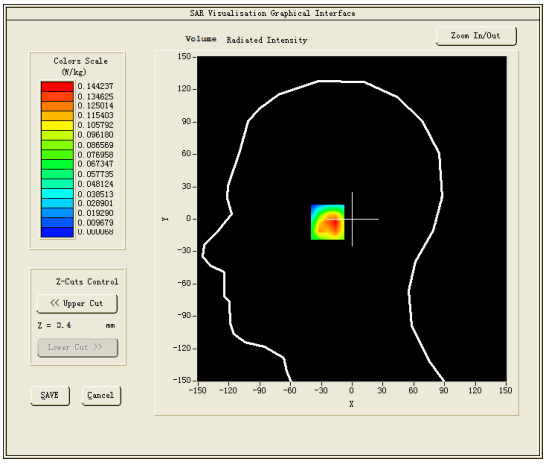
A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	GSM1900
Channels	Middle
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.63

B. SAR Measurement Results

Middle Band SAR (Channel 661):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	53.541901
Relative permittivity (imaginary part)	14.439500
Conductivity (S/m)	1.508126
Variation (%)	-2.340000

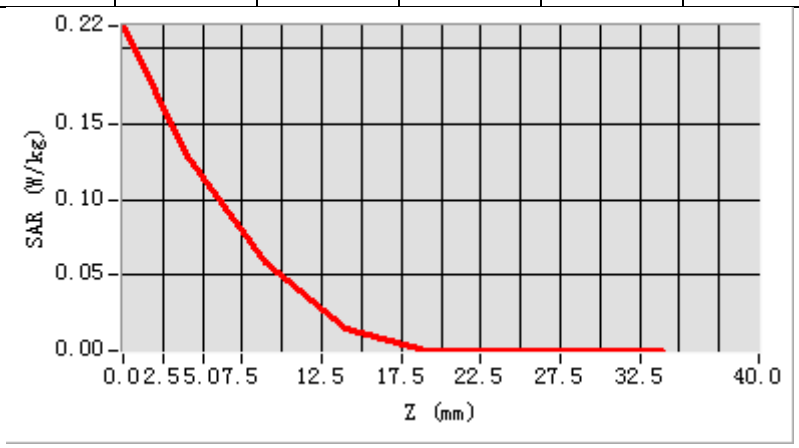
SURFACE SAR	VOLUME SAR
	

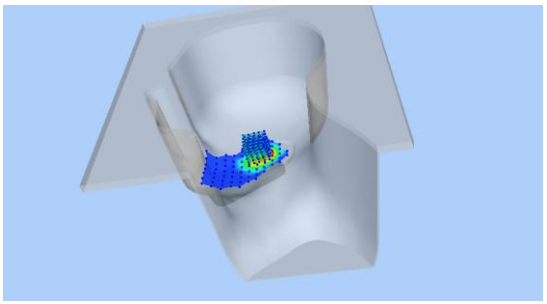
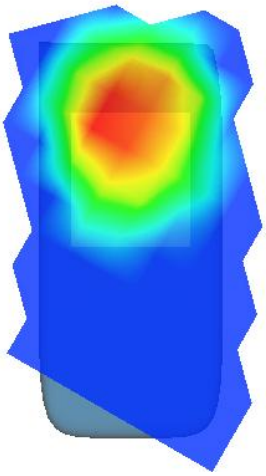
Maximum location: X=-20.00, Y=-3.00

SAR Peak: 0.28 W/kg

SAR 10g (W/Kg)	0.057367
SAR 1g (W/Kg)	0.135472

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2151	0.1291	0.0588	0.0146	0.0001	0.0001	0.0001



3D screen shot	Hot spot position
	

MEASUREMENT 8

Type: Phone measurement (Complete)

Date of measurement: 18/7/2016

Measurement duration: 8 minutes 23 seconds

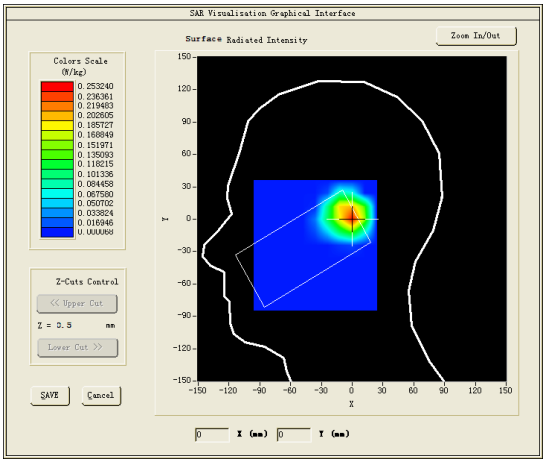
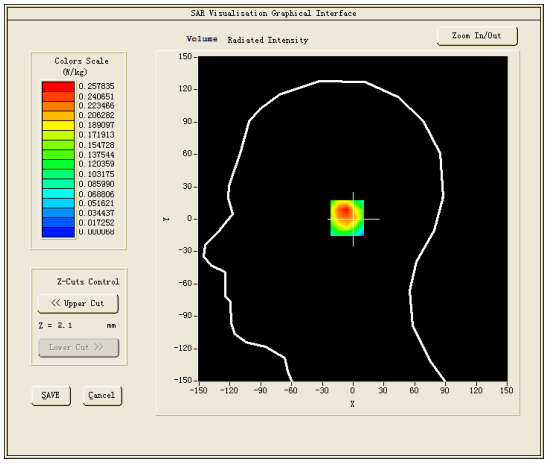
A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Tilt
Band	GSM1900
Channels	Middle
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.63

B. SAR Measurement Results

Middle Band SAR (Channel 661):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	53.541901
Relative permittivity (imaginary part)	14.439500
Conductivity (S/m)	1.508126
Variation (%)	4.150000

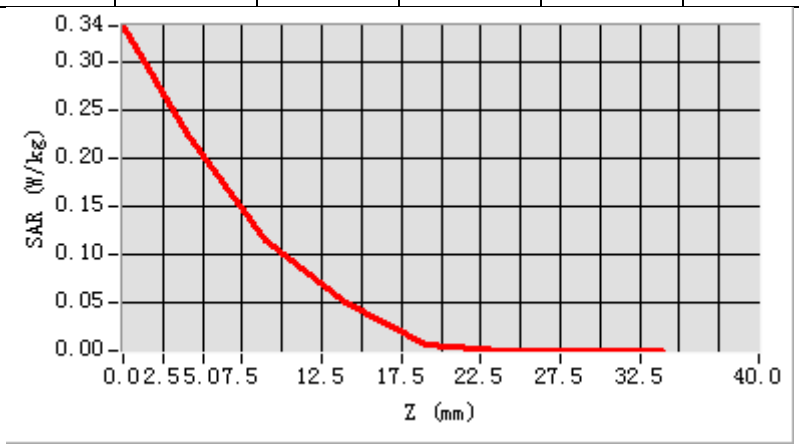
SURFACE SAR	VOLUME SAR
	

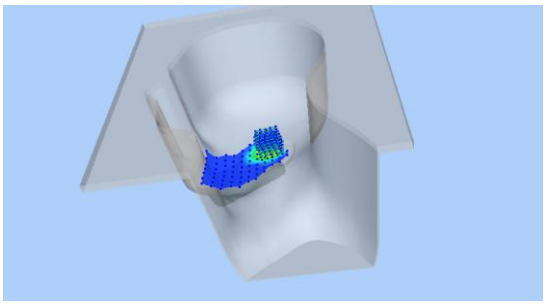
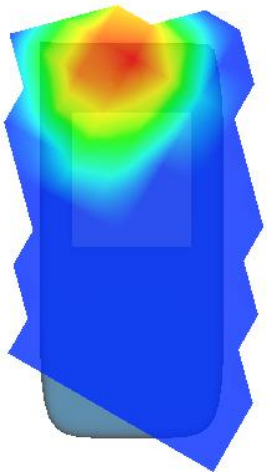
Maximum location: X=0.00, Y=1.00

SAR Peak: 0.43 W/kg

SAR 10g (W/Kg)	0.107443
SAR 1g (W/Kg)	0.234214

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3376	0.2249	0.1153	0.0491	0.0060	0.0001	0.0001



3D screen shot	Hot spot position
	

MEASUREMENT 9

Type: Phone measurement (Complete)

Date of measurement: 18/7/2016

Measurement duration: 8 minutes 21 seconds

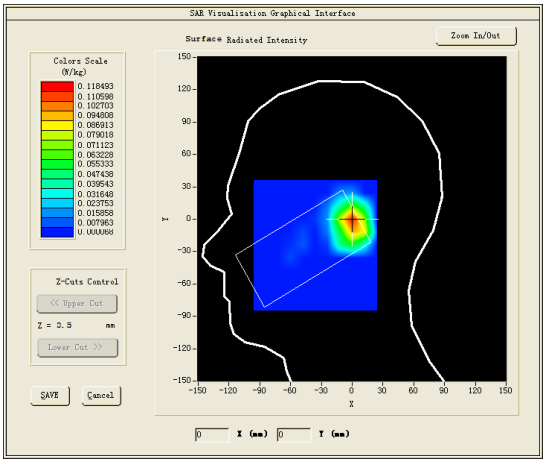
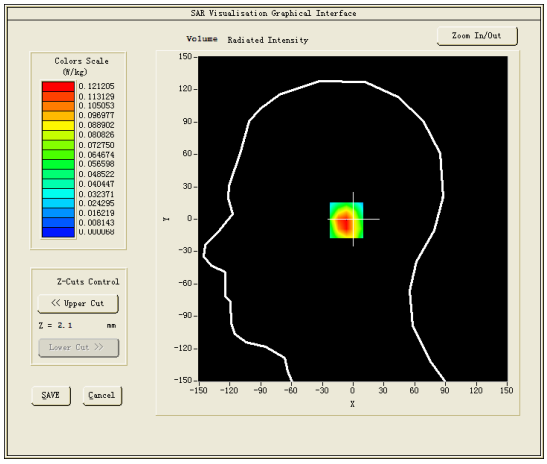
A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	GSM1900
Channels	Middle
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.63

B. SAR Measurement Results

Middle Band SAR (Channel 661):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	53.541901
Relative permittivity (imaginary part)	14.439500
Conductivity (S/m)	1.508126
Variation (%)	1.300000

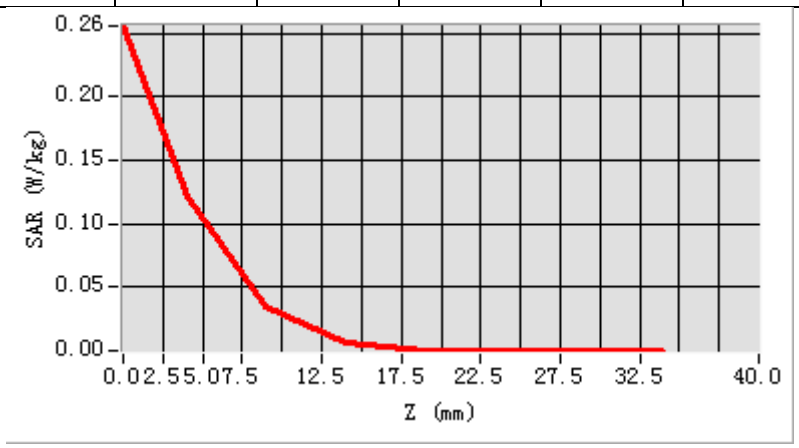
SURFACE SAR	VOLUME SAR
	

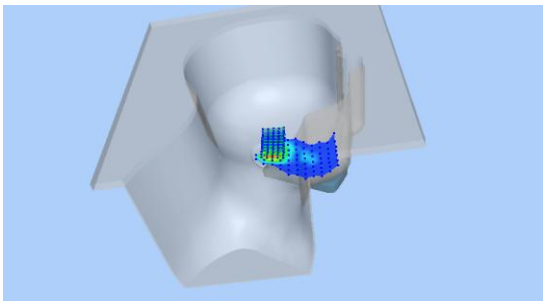
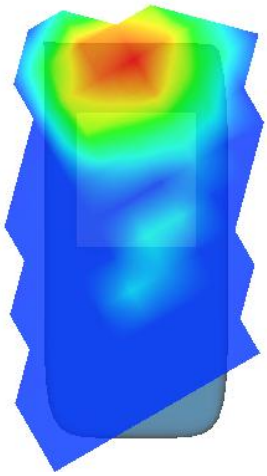
Maximum location: X=0.00, Y=-1.00

SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.049435
SAR 1g (W/Kg)	0.123401

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2556	0.1212	0.0354	0.0069	0.0001	0.0001	0.0001



3D screen shot	Hot spot position
	

MEASUREMENT 10

Type: Phone measurement (Complete)

Date of measurement: 18/7/2016

Measurement duration: 8 minutes 26 seconds

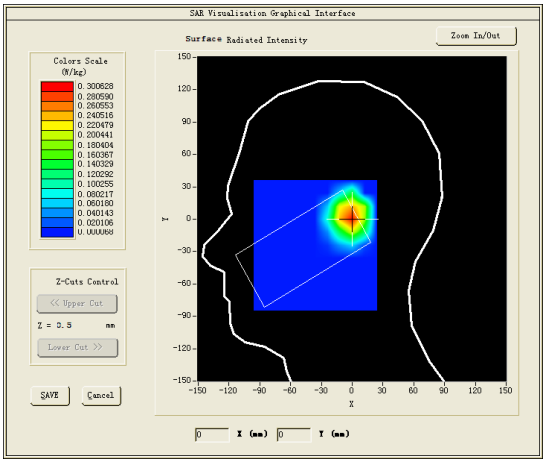
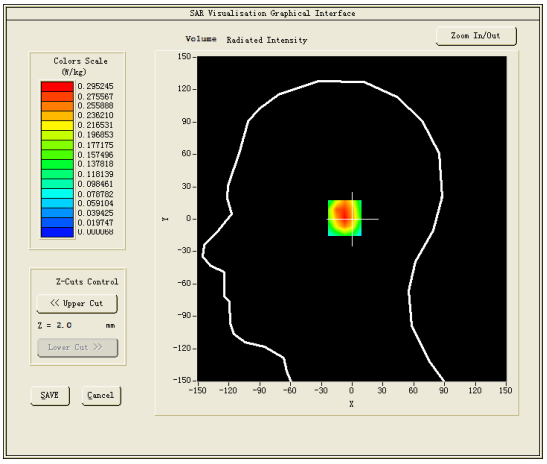
A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Tilt
Band	GSM1900
Channels	Low
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.63

B. SAR Measurement Results

Lower Band SAR (Channel 512):

Frequency (MHz)	1850.199951
Relative permittivity (real part)	53.225300
Relative permittivity (imaginary part)	14.826600
Conductivity (S/m)	1.524010
Variation (%)	0.090000

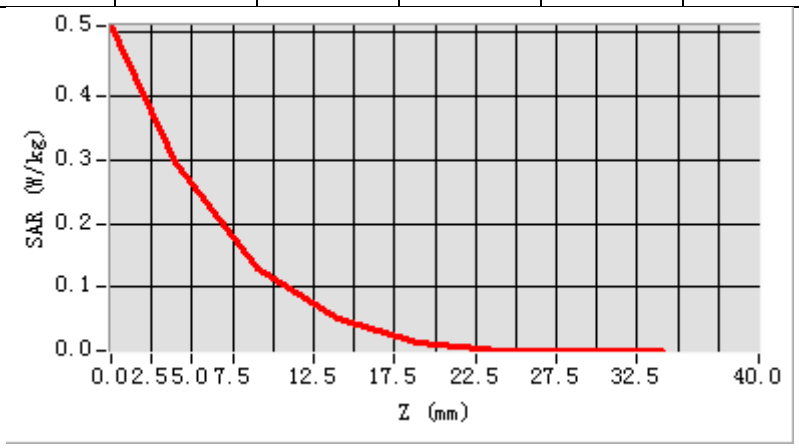
SURFACE SAR	VOLUME SAR
	

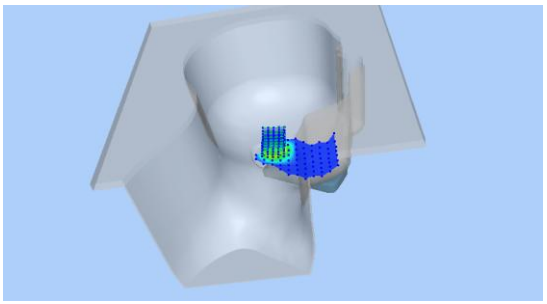
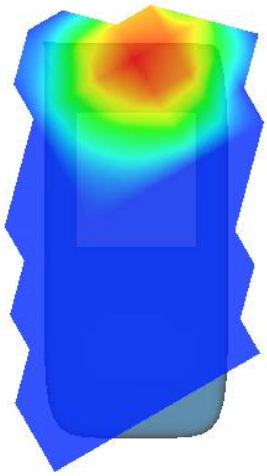
Maximum location: X=-1.00, Y=1.00

SAR Peak: 0.52 W/kg

SAR 10g (W/Kg)	0.126269
SAR 1g (W/Kg)	0.278621

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5102	0.2952	0.1306	0.0504	0.0127	0.0001	0.0001



3D screen shot	Hot spot position
	

MEASUREMENT 11

Type: Phone measurement (Complete)

Date of measurement: 18/7/2016

Measurement duration: 8 minutes 26 seconds

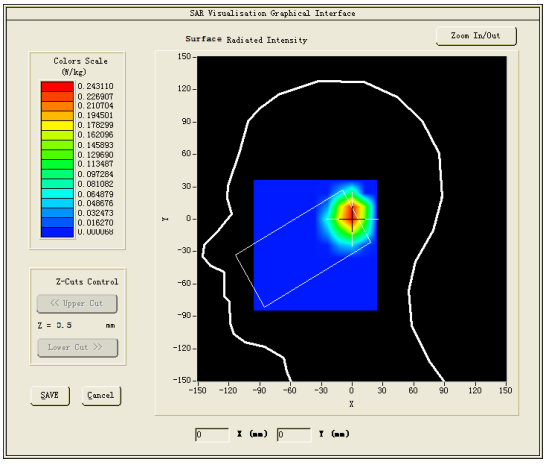
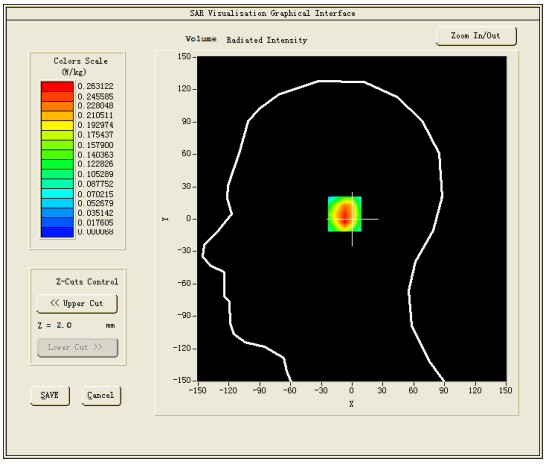
A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Tilt
Band	GSM1900
Channels	Middle
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.63

B. SAR Measurement Results

Middle Band SAR (Channel 661):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	53.541901
Relative permittivity (imaginary part)	14.439500
Conductivity (S/m)	1.508126
Variation (%)	2.420000

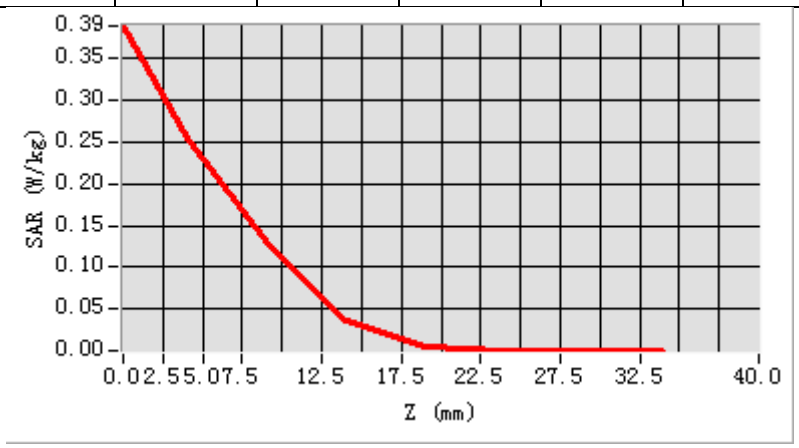
SURFACE SAR	VOLUME SAR
	

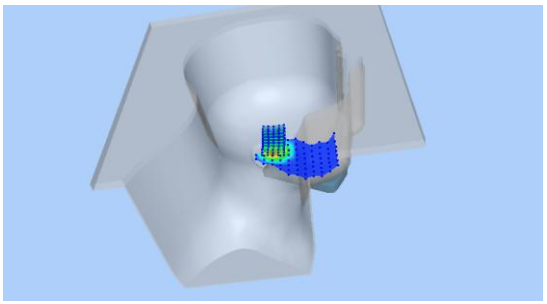
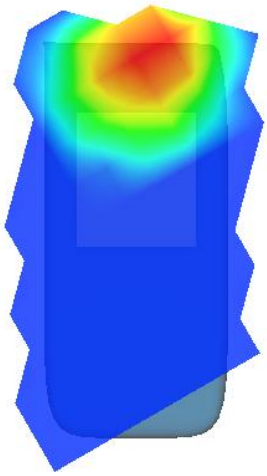
Maximum location: X=-1.00, Y=5.00

SAR Peak: 0.47 W/kg

SAR 10g (W/Kg)	0.106922
SAR 1g (W/Kg)	0.243035

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3893	0.2545	0.1310	0.0359	0.0051	0.0001	0.0001



3D screen shot	Hot spot position
	

MEASUREMENT 12

Type: Phone measurement (Complete)

Date of measurement: 18/7/2016

Measurement duration: 8 minutes 32 seconds

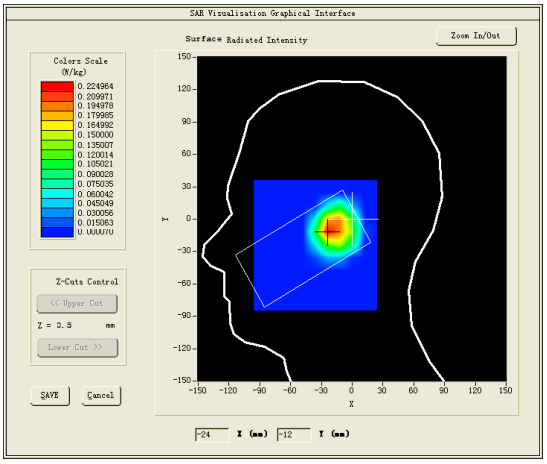
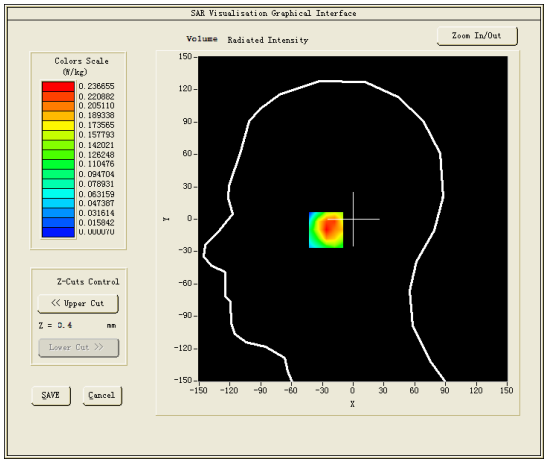
A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Tilt
Band	GSM1900
Channels	High
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.63

B. SAR Measurement Results

Higher Band SAR (Channel 810):

Frequency (MHz)	1909.800049
Relative permittivity (real part)	53.861198
Relative permittivity (imaginary part)	14.625960
Conductivity (S/m)	1.551814
Variation (%)	-3.220000

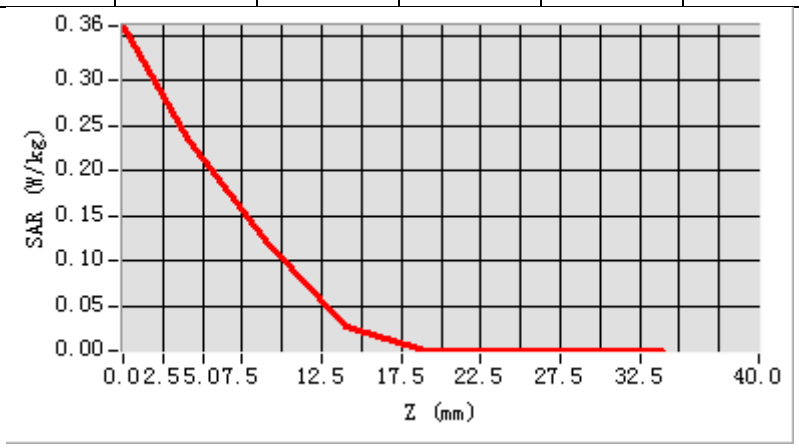
SURFACE SAR	VOLUME SAR
	

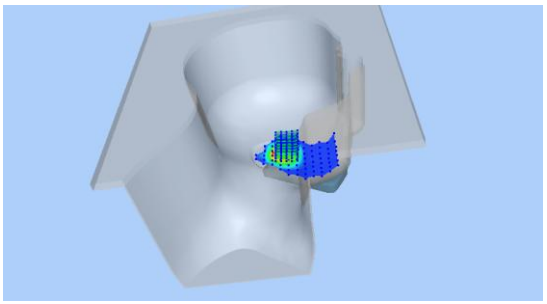
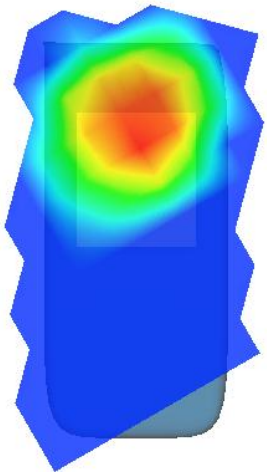
Maximum location: X=-21.00, Y=-10.00

SAR Peak: 0.44 W/kg

SAR 10g (W/Kg)	0.099653
SAR 1g (W/Kg)	0.221868

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3603	0.2367	0.1213	0.0269	0.0001	0.0001	0.0001



3D screen shot	Hot spot position
	

MEASUREMENT 13

Towards-ground-with-headset-low

Type: Phone measurement (Complete)

Date of measurement: 18/7/2016

Measurement duration: 10 minutes 22 seconds

A. Experimental conditions.

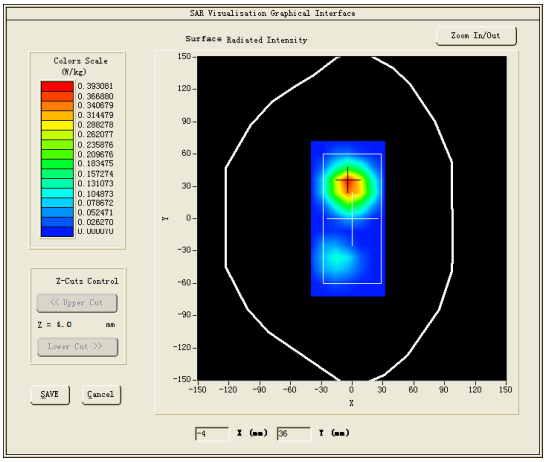
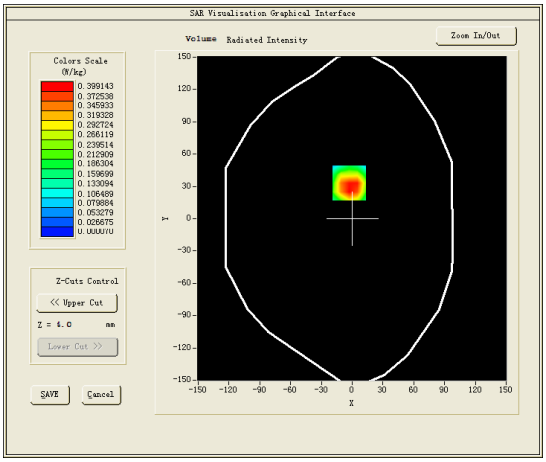
Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	GSM1900
Channels	Low
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.78

B. SAR Measurement Results

Lower Band SAR (Channel 512):

Frequency (MHz)	1850.199951
Relative permittivity (real part)	53.225300
Relative permittivity (imaginary part)	14.826600
Conductivity (S/m)	1.524010

Variation (%)	3.010000

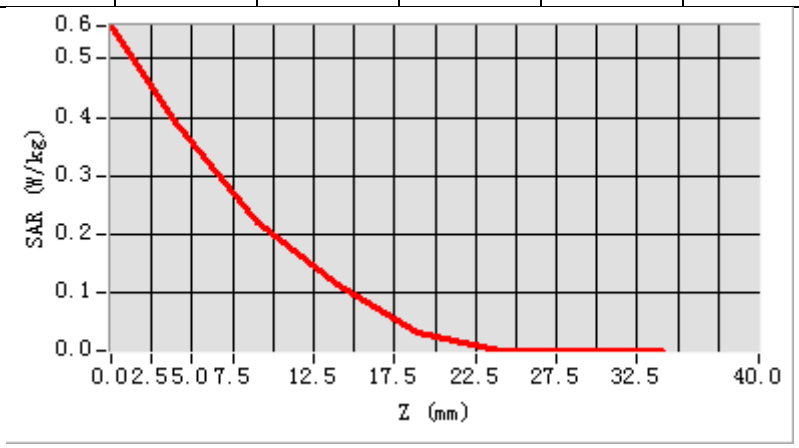
SURFACE SAR	**VOLUME SAR**
	

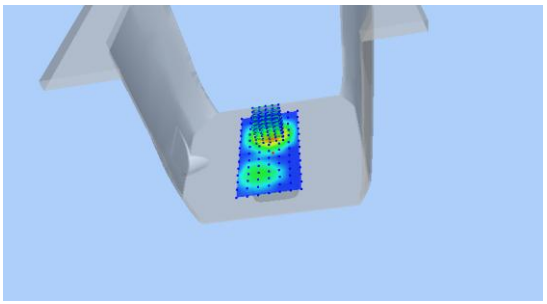
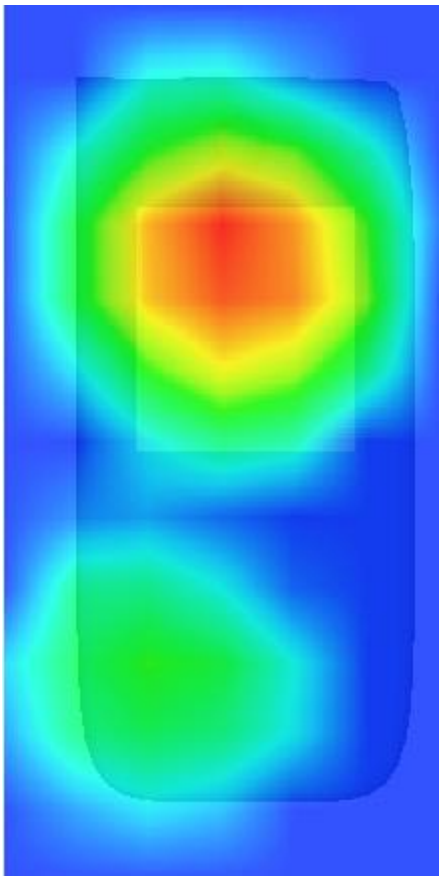
Maximum location: X=-3.00, Y=33.00

SAR Peak: 0.66 W/kg

SAR 10g (W/Kg)	0.187663
SAR 1g (W/Kg)	0.390320

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5563	0.3926	0.2191	0.1146	0.0298	0.0001	0.0001



3D screen shot	Hot spot position
	

MEASUREMENT 14

Towards-phantom-low

Type: Phone measurement (Complete)

Date of measurement: 16/7/2016

Measurement duration: 10 minutes 51 seconds

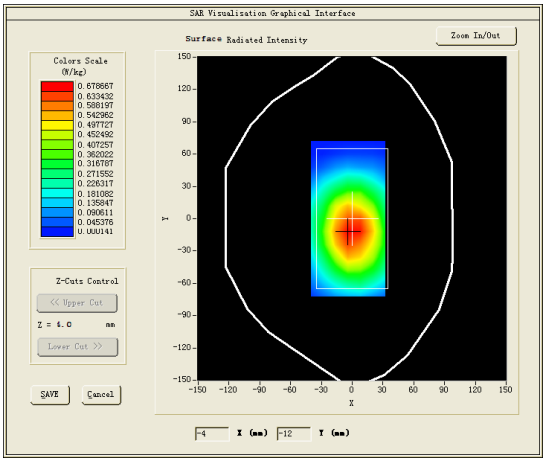
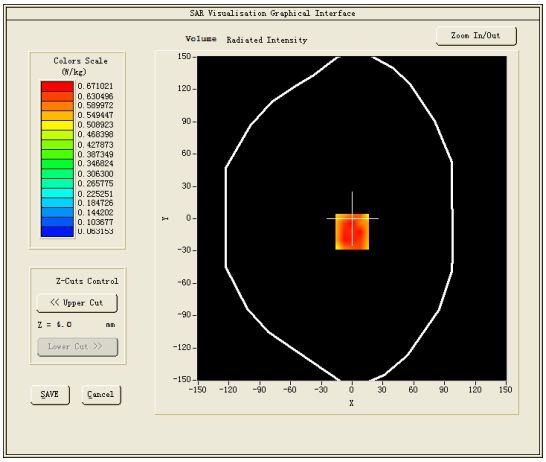
A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	CUSTOM (GPRS850_4Tx)
Channels	Low
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Conversion factor	5.07

B. SAR Measurement Results

Frequency (MHz)	824.200012
Relative permittivity (real part)	55.344379
Relative permittivity (imaginary part)	20.757259
Conductivity (S/m)	0.950452

Variation (%)	-4.590000

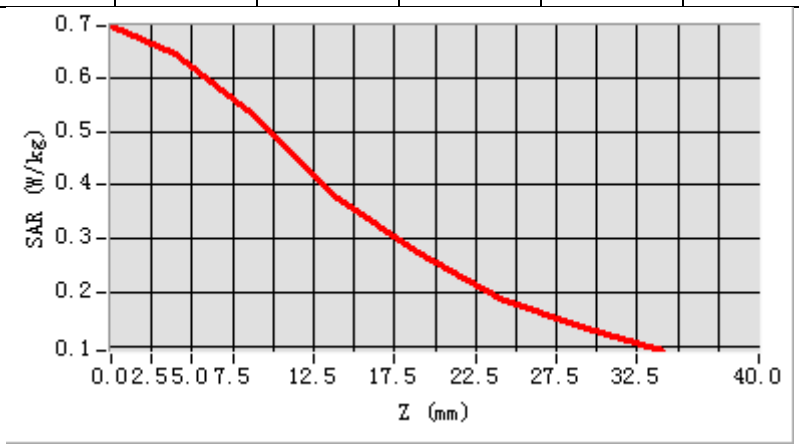
SURFACE SAR	**VOLUME SAR**
	

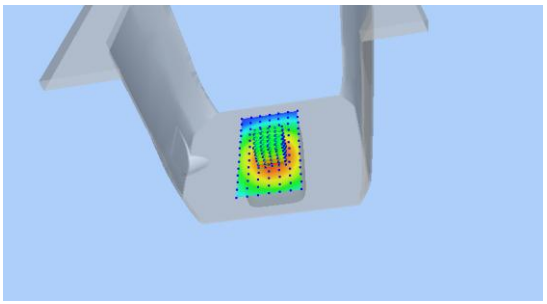
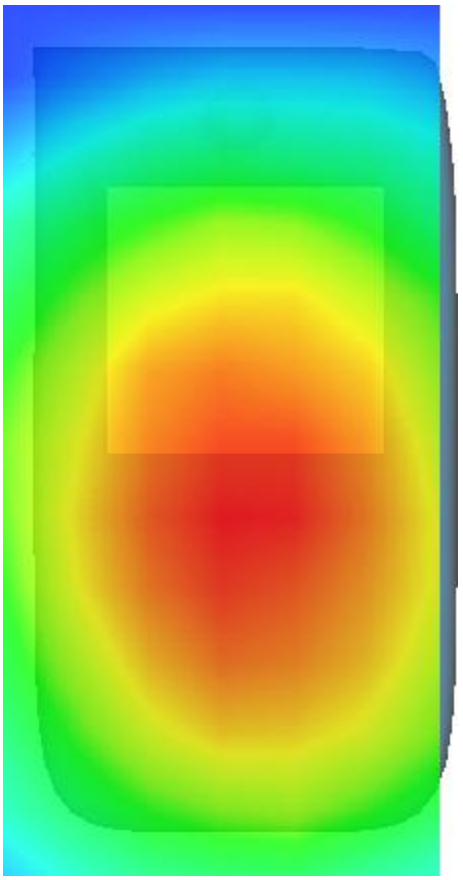
Maximum location: X=0.00, Y=-12.00

SAR Peak: 0.92 W/kg

SAR 10g (W/Kg)	0.454263
SAR 1g (W/Kg)	0.648101

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6950	0.6415	0.5247	0.3757	0.2748	0.1893	0.1384



3D screen shot	Hot spot position
	

MEASUREMENT 15

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 16/7/2016

Measurement duration: 10 minutes 14 seconds

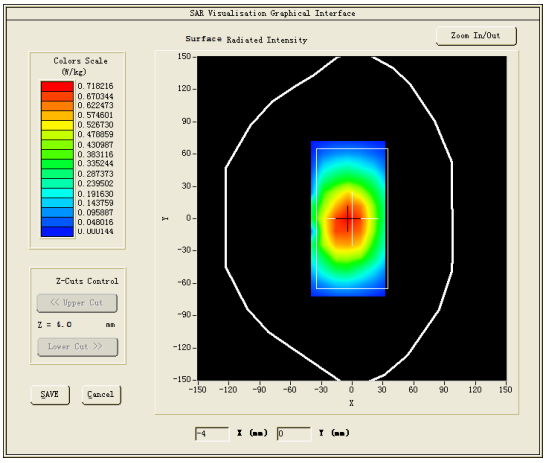
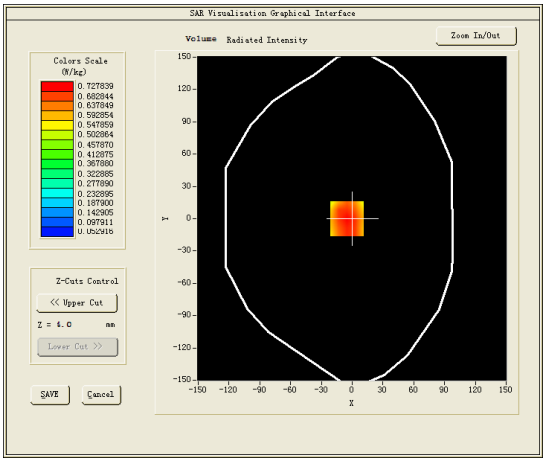
A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	CUSTOM (GPRS850_4Tx)
Channels	Middle
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Conversion factor	5.07

B. SAR Measurement Results

Frequency (MHz)	836.599976
Relative permittivity (real part)	55.267799
Relative permittivity (imaginary part)	20.892120
Conductivity (S/m)	0.971019

Variation (%)	1.700000

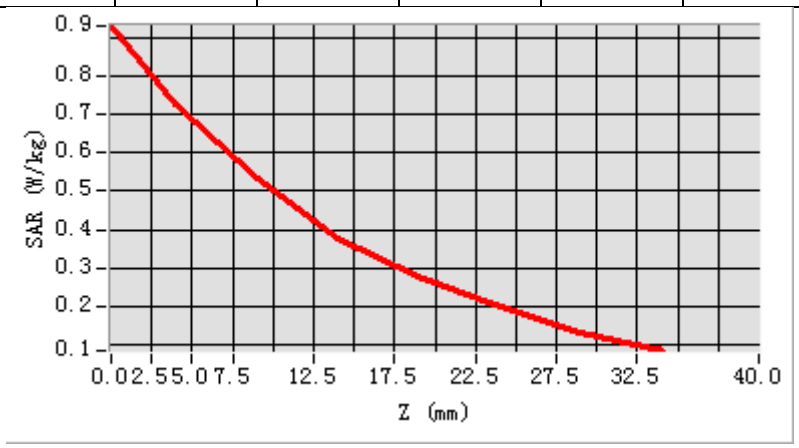
SURFACE SAR	**VOLUME SAR**
	

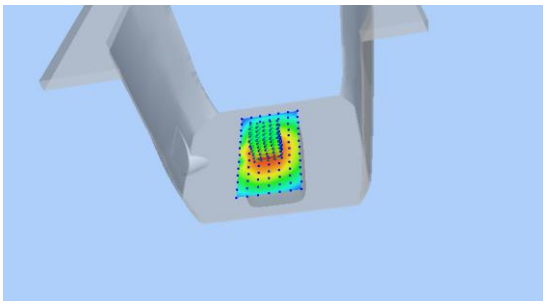
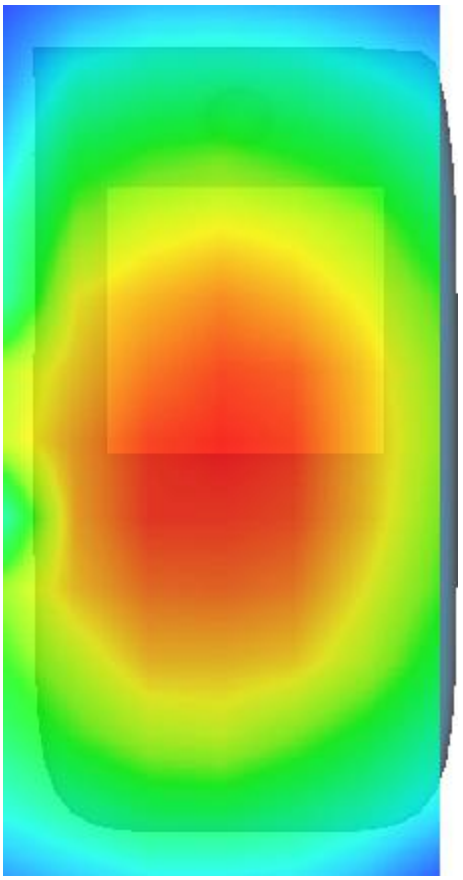
Maximum location: X=-5.00, Y=0.00

SAR Peak: 0.96 W/kg

SAR 10g (W/Kg)	0.484771
SAR 1g (W/Kg)	0.698546

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.9302	0.7278	0.5355	0.3759	0.2777	0.1983	0.1331



3D screen shot	Hot spot position
	

MEASUREMENT 16

Towards-phantom-middle

Type: Phone measurement (Complete)

Date of measurement: 16/7/2016

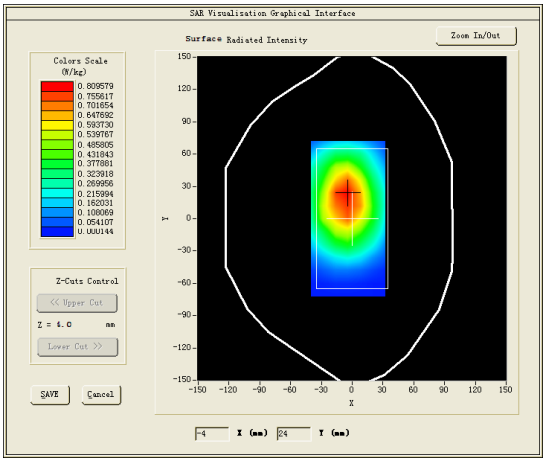
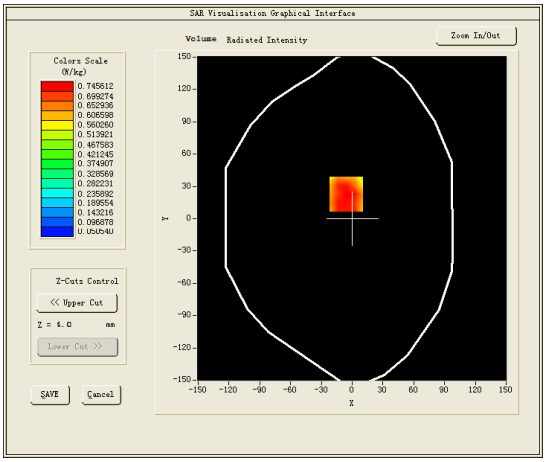
Measurement duration: 10 minutes 52 seconds

A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	CUSTOM (GPRS850_4Tx)
Channels	Middle
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Conversion factor	5.07

B. SAR Measurement Results

Frequency (MHz)	836.599976
Relative permittivity (real part)	55.267799
Relative permittivity (imaginary part)	20.892120
Conductivity (S/m)	0.971019
Variation (%)	-0.360000

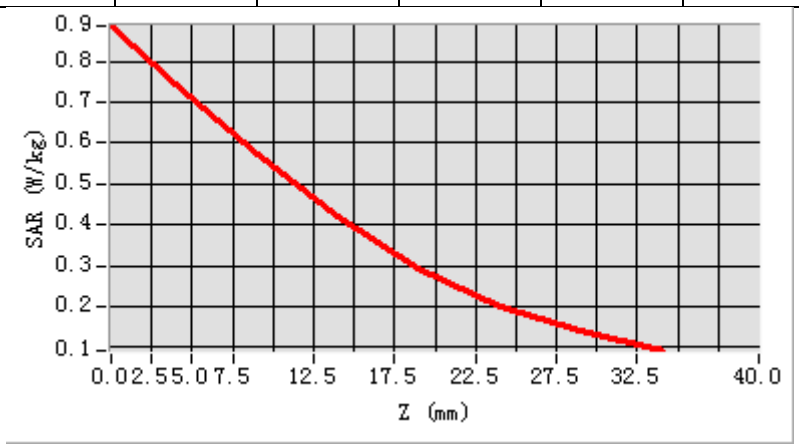
SURFACE SAR	VOLUME SAR
	

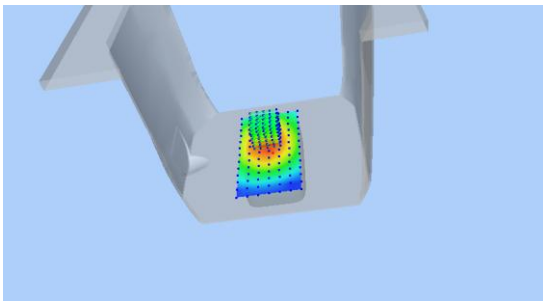
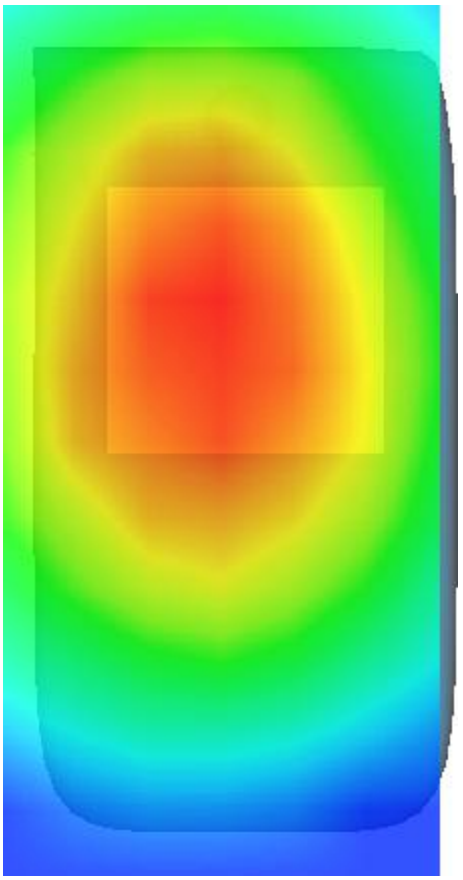
Maximum location: X=-6.00, Y=23.00

SAR Peak: 1.02 W/kg

SAR 10g (W/Kg)	0.609964
SAR 1g (W/Kg)	0.727490

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8869	0.7456	0.5707	0.4214	0.2944	0.1981	0.1385



3D screen shot	Hot spot position
	

MEASUREMENT 17

Towards-phantom-high

Type: Phone measurement (Complete)

Date of measurement: 16/7/2016

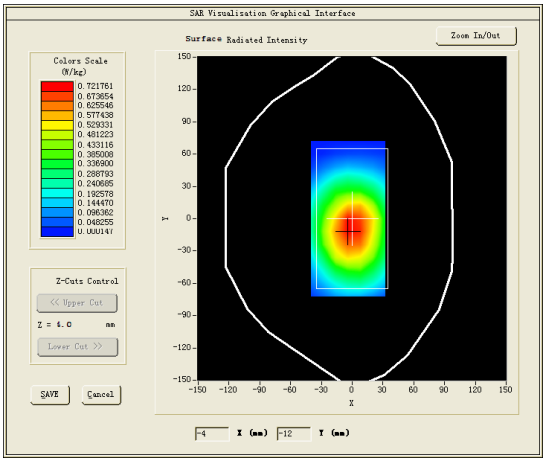
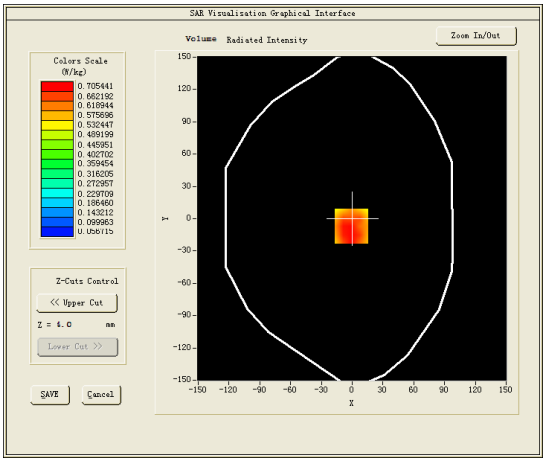
Measurement duration: 10 minutes 55 seconds

A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	CUSTOM (GPRS850_4Tx)
Channels	High
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Conversion factor	5.07

B. SAR Measurement Results

Frequency (MHz)	848.799988
Relative permittivity (real part)	55.148041
Relative permittivity (imaginary part)	20.969879
Conductivity (S/m)	0.988846
Variation (%)	1.340000

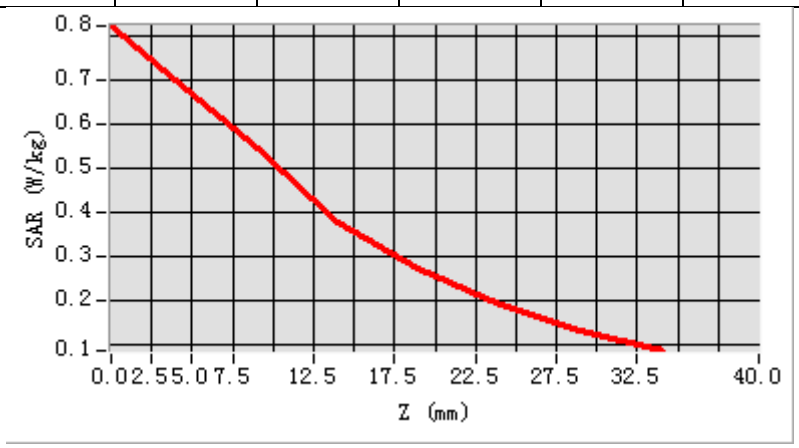
SURFACE SAR	VOLUME SAR
	

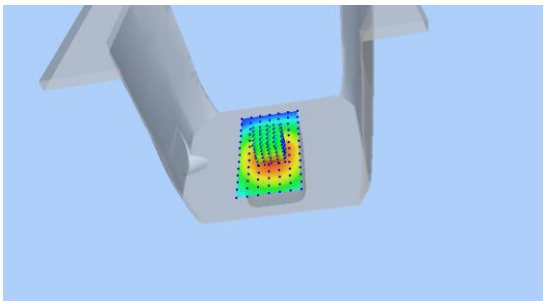
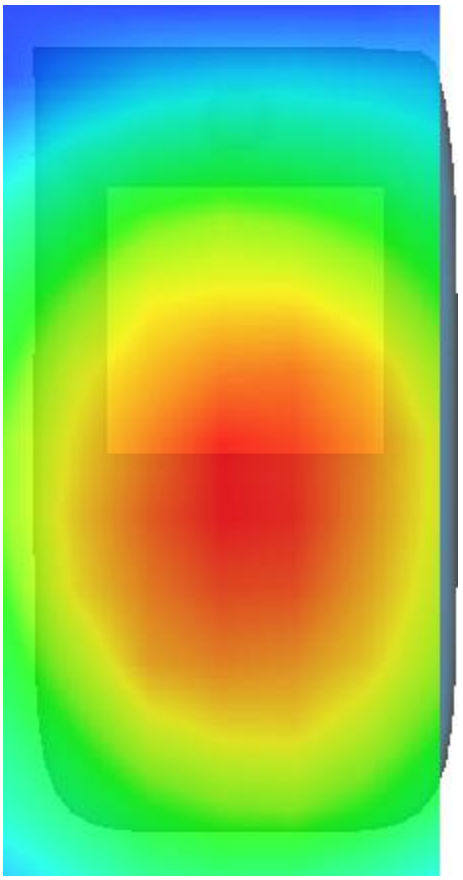
Maximum location: X=-1.00, Y=-7.00

SAR Peak: 0.97 W/kg

SAR 10g (W/Kg)	0.480577
SAR 1g (W/Kg)	0.696163

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8222	0.7014	0.5455	0.3760	0.2735	0.1901	0.1298



3D screen shot	Hot spot position
	

MEASUREMENT 18

Towards-ground-low

Type: Phone measurement (Complete)

Date of measurement: 18/7/2016

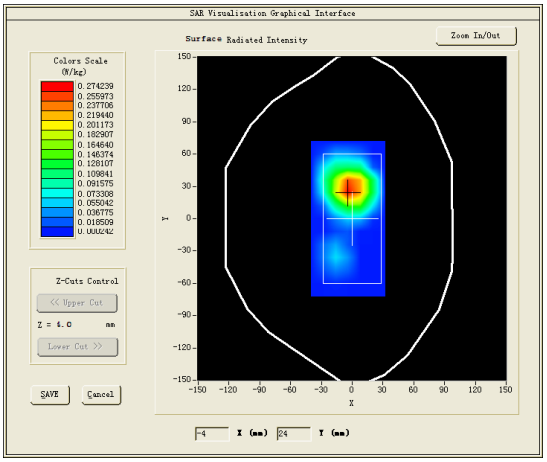
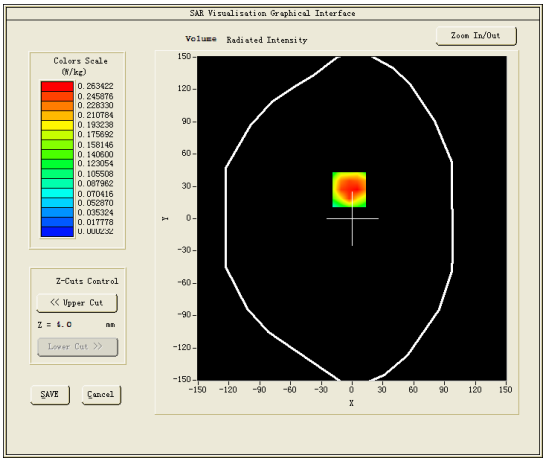
Measurement duration: 10 minutes 51 seconds

A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	CUSTOM (GPRS1900_4Tx)
Channels	Low
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Conversion factor	4.78

B. SAR Measurement Results

Frequency (MHz)	1850.199951
Relative permittivity (real part)	40.000000
Relative permittivity (imaginary part)	13.628520
Conductivity (S/m)	1.400860
Variation (%)	1.220000

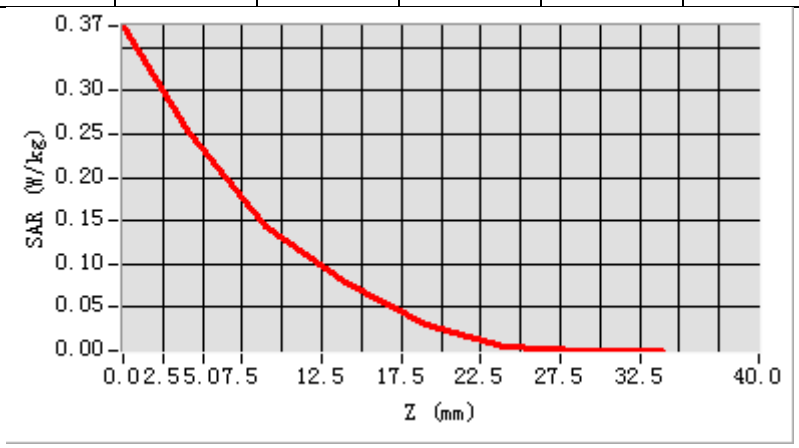
SURFACE SAR	VOLUME SAR
	

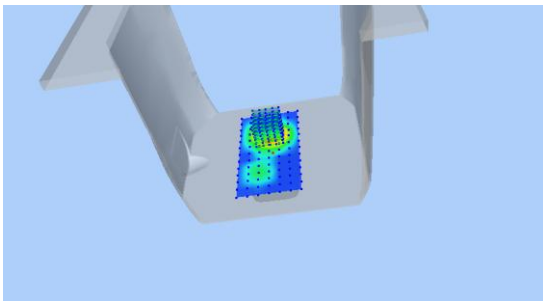
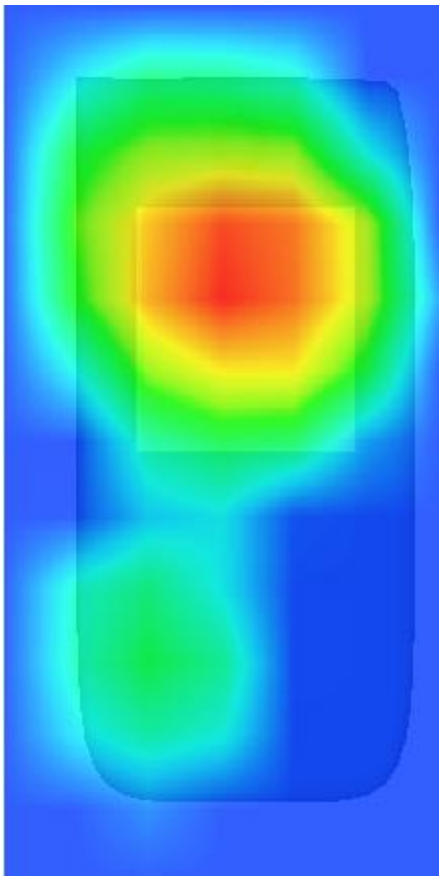
Maximum location: X=-3.00, Y=27.00

SAR Peak: 0.42 W/kg

SAR 10g (W/Kg)	0.130201
SAR 1g (W/Kg)	0.253786

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3747	0.2551	0.1440	0.0796	0.0313	0.0038	0.0002



3D screen shot	Hot spot position
	

MEASUREMENT 19

Towards-ground-middle

Type: Phone measurement (Complete)

Date of measurement: 18/7/2016

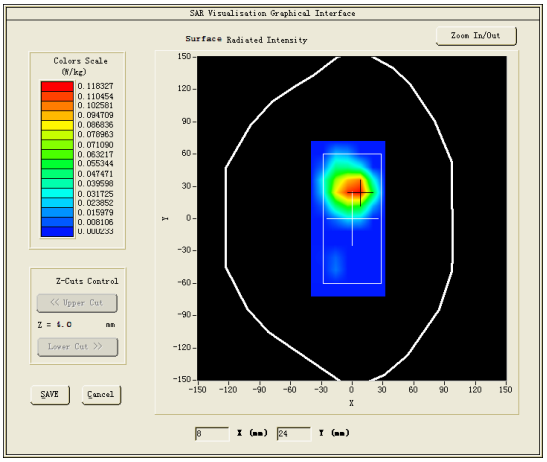
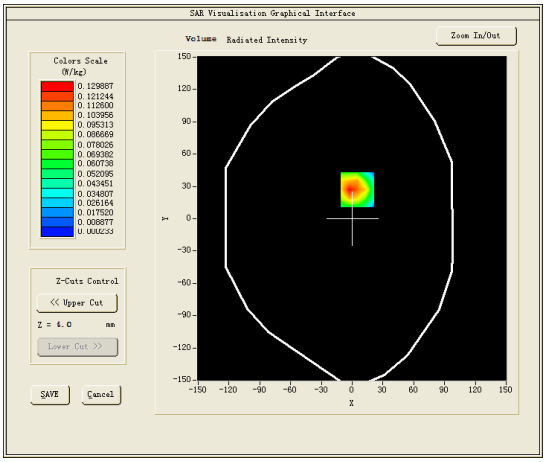
Measurement duration: 11 minutes 39 seconds

A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	CUSTOM (GPRS1900_4Tx)
Channels	Middle
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Conversion factor	4.78

B. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.000000
Relative permittivity (imaginary part)	13.408000
Conductivity (S/m)	1.400391
Variation (%)	0.000000

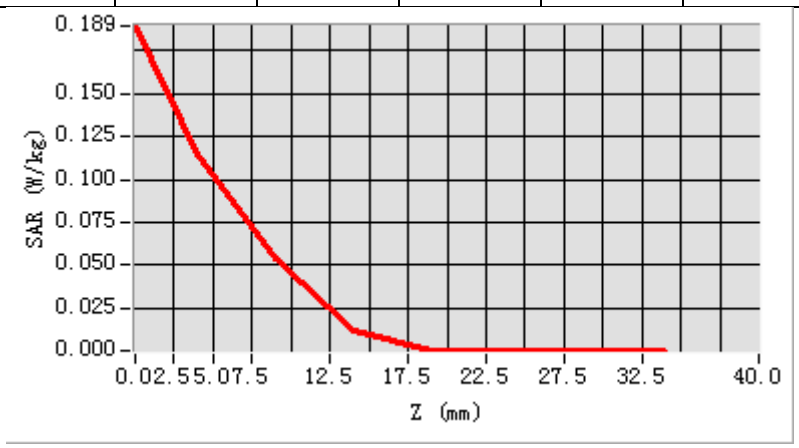
SURFACE SAR	VOLUME SAR
	

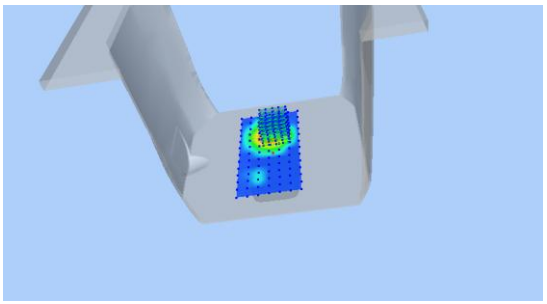
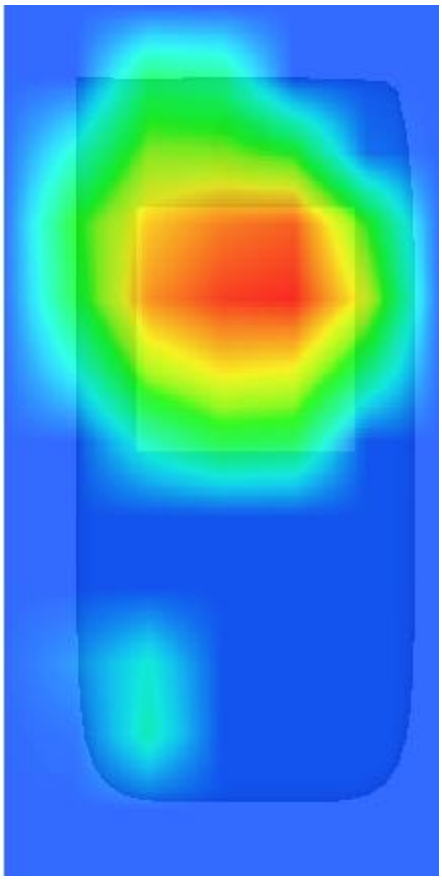
Maximum location: X=5.00, Y=27.00

SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.051301
SAR 1g (W/Kg)	0.118653

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1894	0.1150	0.0537	0.0115	0.0002	0.0002	0.0002



3D screen shot	Hot spot position
	

MEASUREMENT 20

Towards-phantom-middle

Type: Phone measurement (Complete)

Date of measurement: 18/7/2016

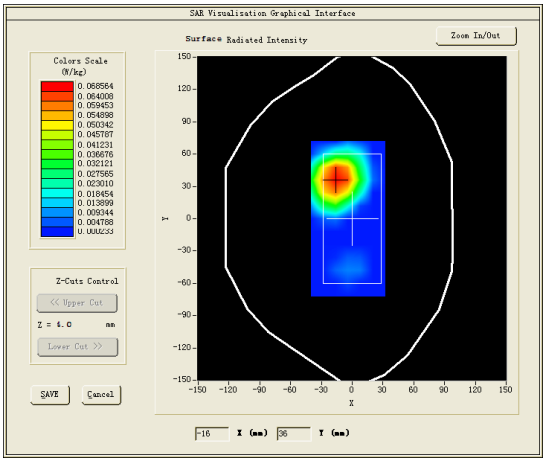
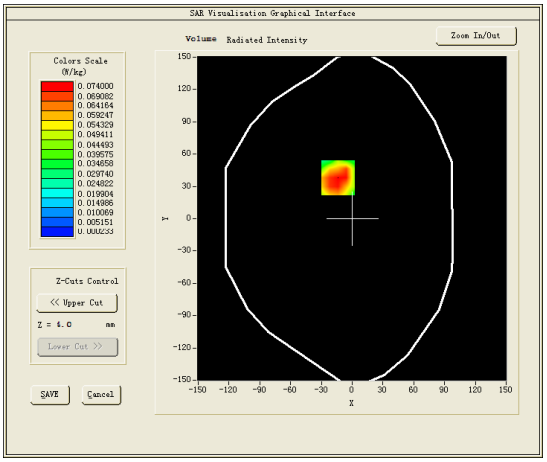
Measurement duration: 8 minutes 29 seconds

A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	CUSTOM (GPRS1900_4Tx)
Channels	Middle
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Conversion factor	4.78

B. SAR Measurement Results

Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.000000
Relative permittivity (imaginary part)	13.408000
Conductivity (S/m)	1.400391
Variation (%)	0.000000

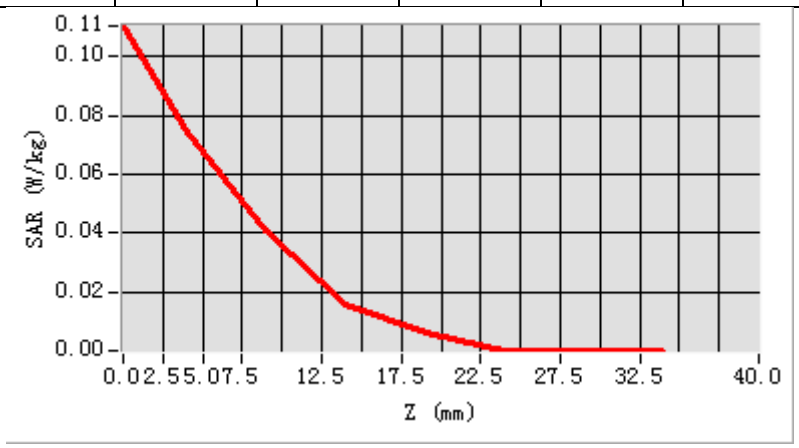
SURFACE SAR	VOLUME SAR
	

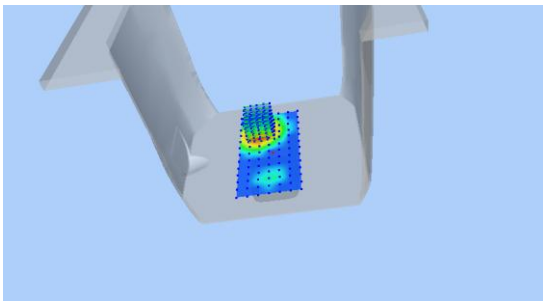
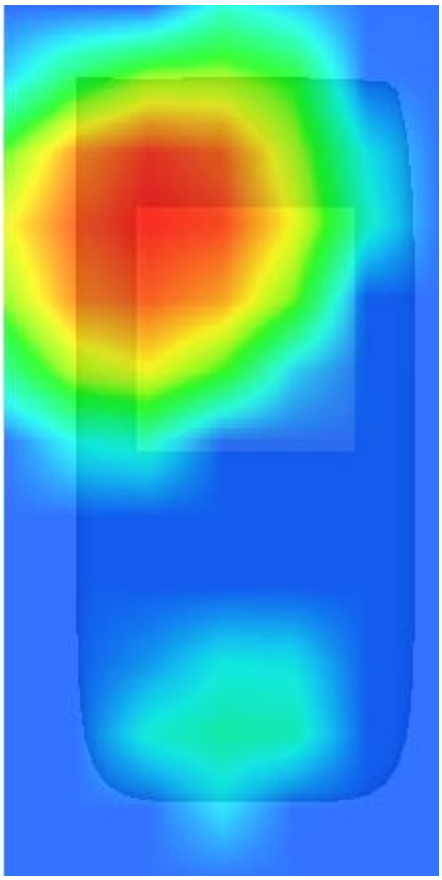
Maximum location: X=-14.00, Y=38.00

SAR Peak: 0.13 W/kg

SAR 10g (W/Kg)	0.034103
SAR 1g (W/Kg)	0.068339

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1102	0.0740	0.0410	0.0161	0.0066	0.0002	0.0002



3D screen shot	Hot spot position
	

MEASUREMENT 21

Towards-ground-high

Type: Phone measurement (Complete)

Date of measurement: 18/7/2016

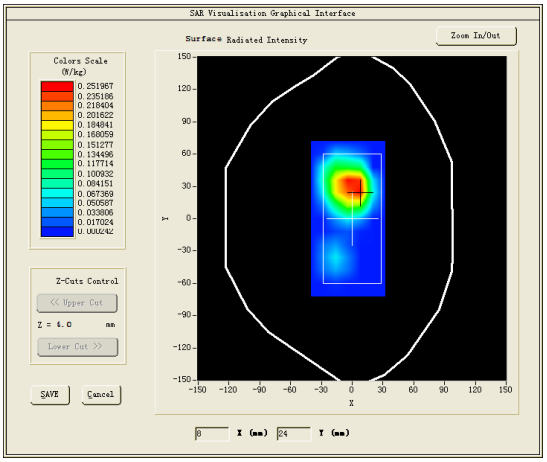
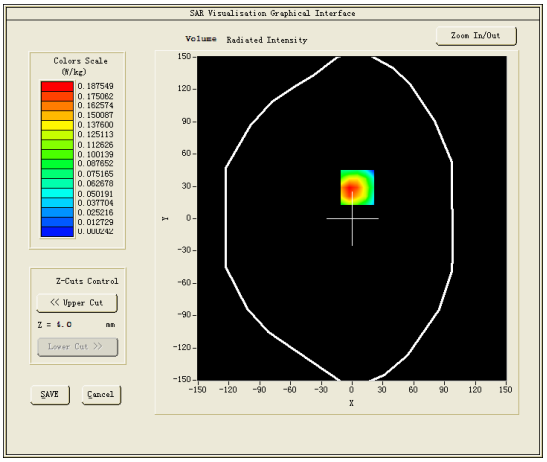
Measurement duration: 11 minutes 38 seconds

A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	CUSTOM (GPRS1900_4Tx)
Channels	High
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Conversion factor	4.78

B. SAR Measurement Results

Frequency (MHz)	1909.800049
Relative permittivity (real part)	40.000000
Relative permittivity (imaginary part)	13.195320
Conductivity (S/m)	1.400023
Variation (%)	-1.560000

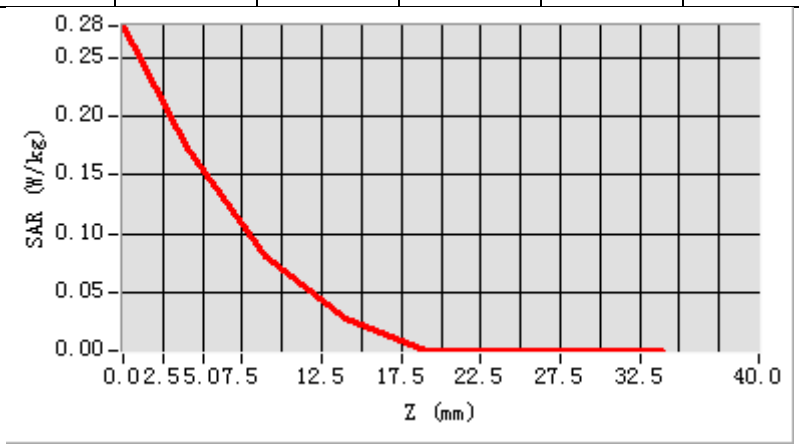
SURFACE SAR	VOLUME SAR
	

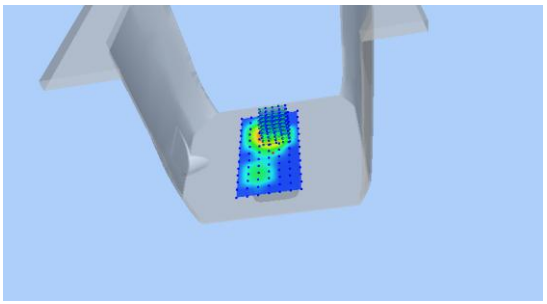
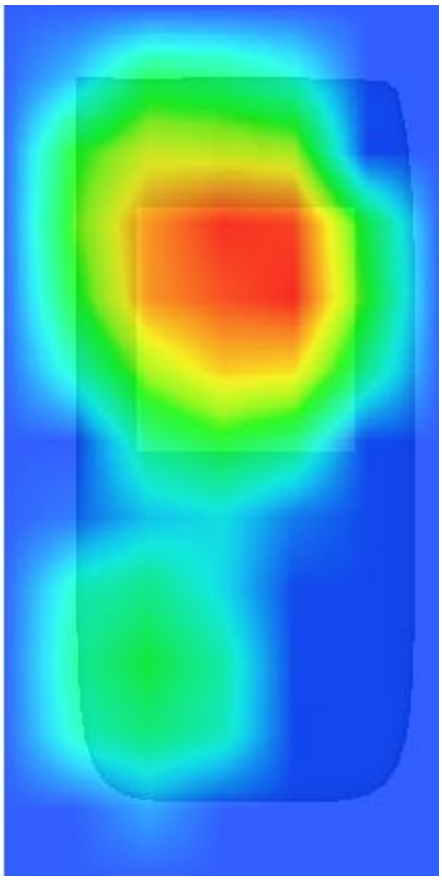
Maximum location: X=5.00, Y=29.00

SAR Peak: 0.35 W/kg

SAR 10g (W/Kg)	0.078875
SAR 1g (W/Kg)	0.183264

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2773	0.1727	0.0809	0.0283	0.0002	0.0002	0.0002



3D screen shot	Hot spot position
	

MEASUREMENT 22

SIM2

Type: Phone measurement (Complete)

Date of measurement: 16/7/2016

Measurement duration: 9 minutes 29 seconds

A. Experimental conditions.

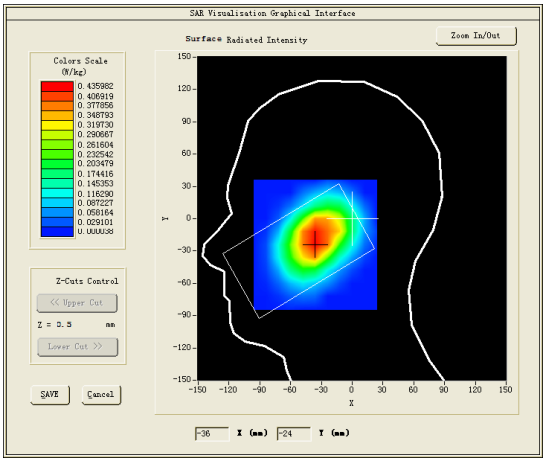
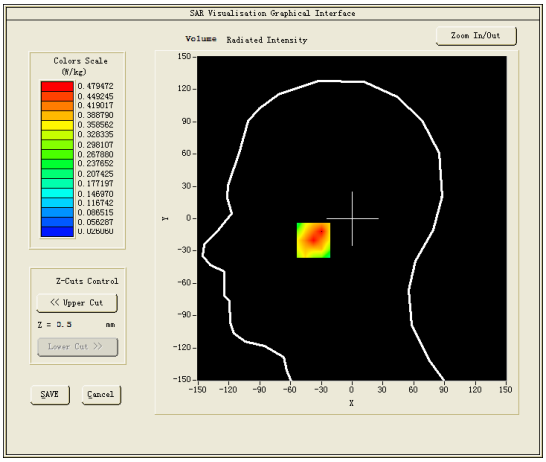
Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	GSM850
Channels	High
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.93

B. SAR Measurement Results

Middle Band SAR (Channel 251):

Frequency (MHz)	848.799988
Relative permittivity (real part)	41.517799
Relative permittivity (imaginary part)	19.492121
Conductivity (S/m)	0.905950

Variation (%)	-1.280000

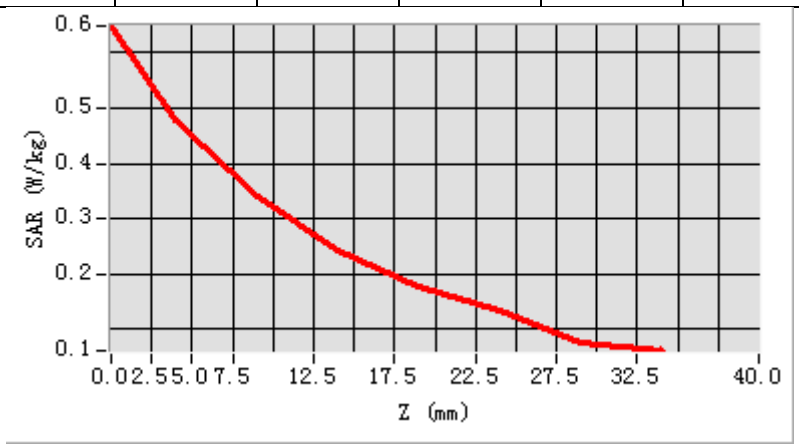
SURFACE SAR	**VOLUME SAR**
	

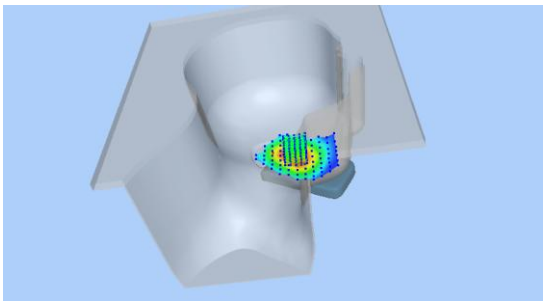
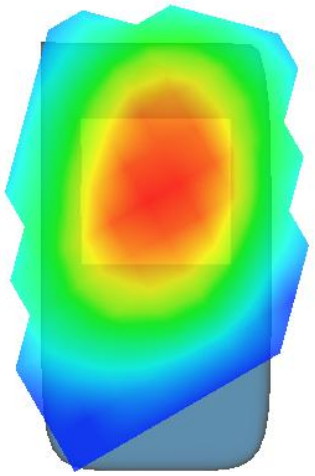
Maximum location: X=-35.00, Y=-20.00

SAR Peak: 0.73 W/kg

SAR 10g (W/Kg)	0.310235
SAR 1g (W/Kg)	0.354241

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6488	0.4767	0.3399	0.2442	0.1763	0.1329	0.0774



3D screen shot	Hot spot position
	

MEASUREMENT 23

Type: Phone measurement (Complete)

Date of measurement: 16/7/2016

Measurement duration: 8 minutes 59 seconds

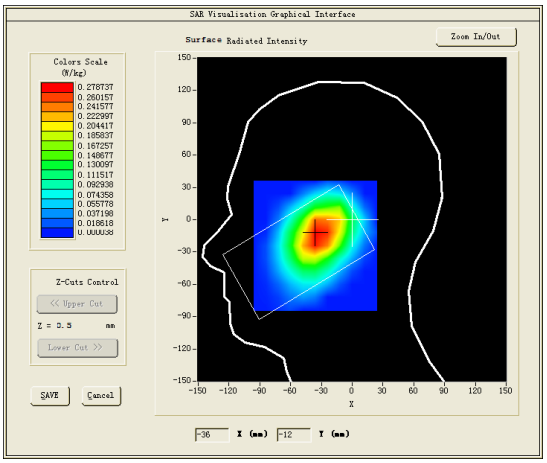
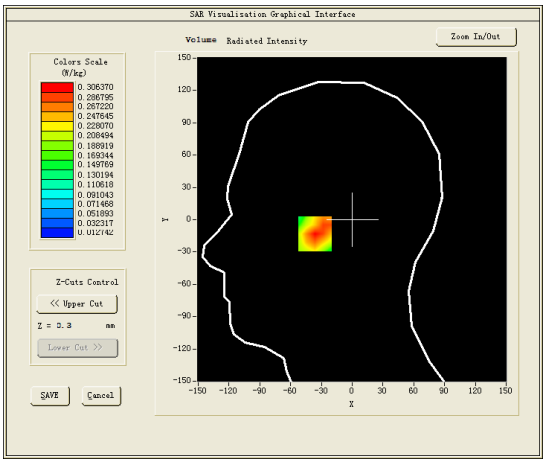
A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Tilt
Band	GSM850
Channels	Middle
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.93

B. SAR Measurement Results

Middle Band SAR (Channel 190):

Frequency (MHz)	836.599976
Relative permittivity (real part)	41.517799
Relative permittivity (imaginary part)	19.492121
Conductivity (S/m)	0.905950
Variation (%)	1.250000

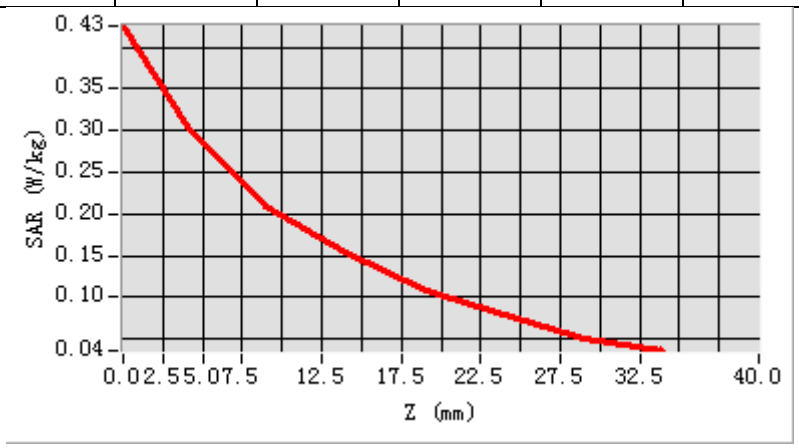
SURFACE SAR	VOLUME SAR
	

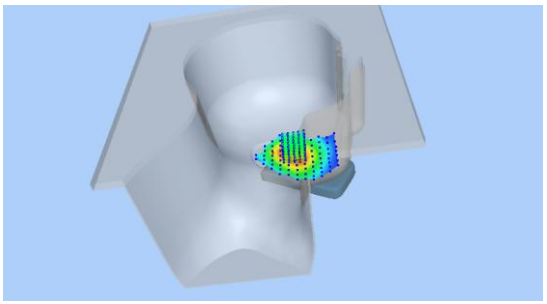
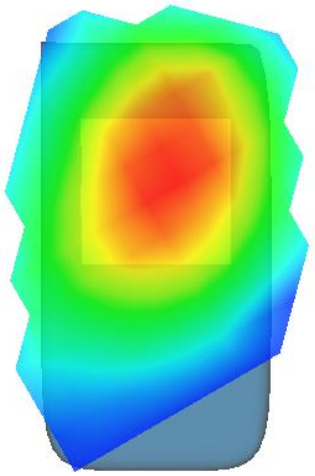
Maximum location: X=-33.00, Y=-13.00

SAR Peak: 0.43 W/kg

SAR 10g (W/Kg)	0.260975
SAR 1g (W/Kg)	0.314563

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4256	0.3064	0.2093	0.1549	0.1082	0.0797	0.0512



3D screen shot	Hot spot position
	

MEASUREMENT 24

Towards-phantom-with-headset-middle-SIM2

Type: Phone measurement (Complete)

Date of measurement: 16/7/2016

Measurement duration: 11 minutes 37 seconds

A. Experimental conditions.

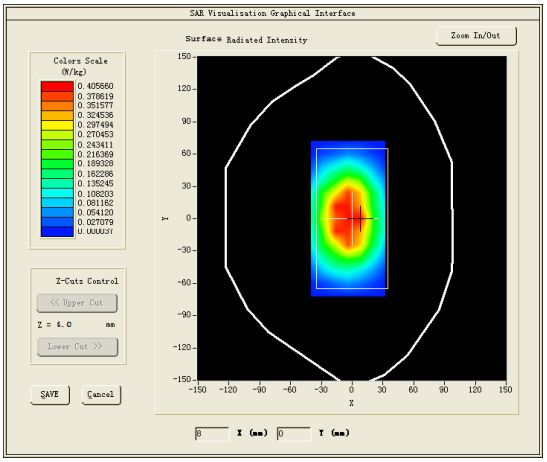
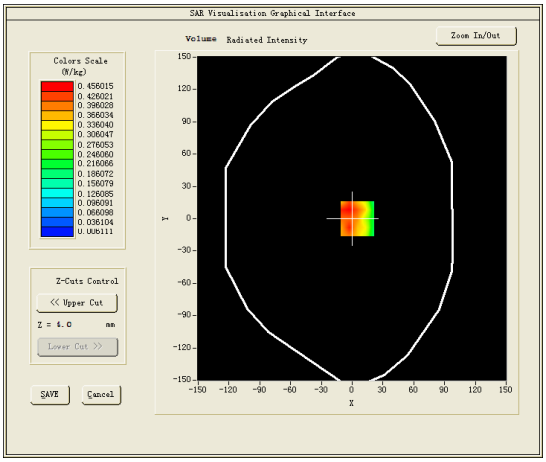
Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	GSM850
Channels	Middle
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.93

B. SAR Measurement Results

Middle Band SAR (Channel 190):

Frequency (MHz)	836.599976
Relative permittivity (real part)	55.267799
Relative permittivity (imaginary part)	20.892120
Conductivity (S/m)	0.971019

Variation (%)	3.280000

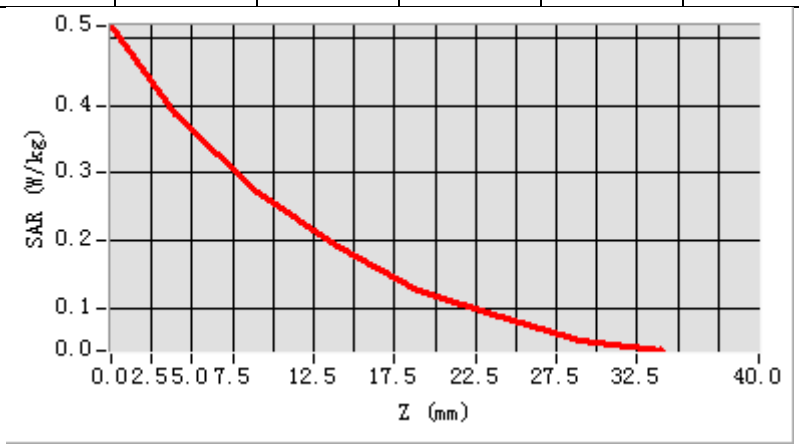
SURFACE SAR	**VOLUME SAR**
	

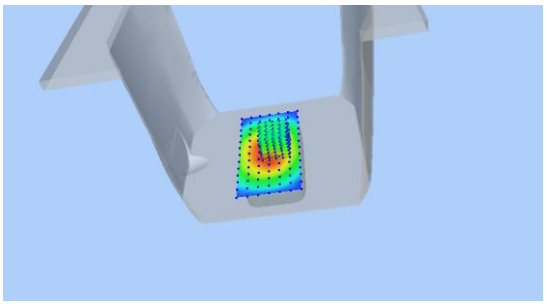
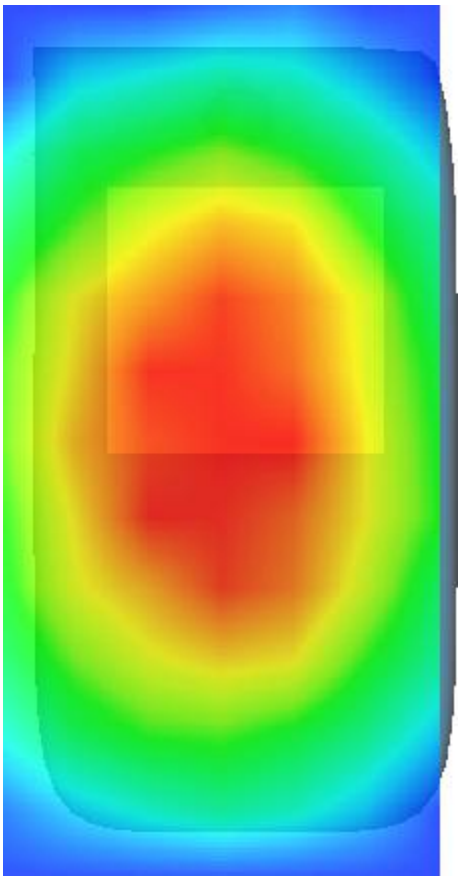
Maximum location: X=5.00, Y=0.00

SAR Peak: 0.72 W/kg

SAR 10g (W/Kg)	0.412481
SAR 1g (W/Kg)	0.372393

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5177	0.3887	0.2722	0.1917	0.1276	0.0886	0.0522



3D screen shot	Hot spot position
	

MEASUREMENT 25

SIM2

Type: Phone measurement (Complete)

Date of measurement: 18/7/2016

Measurement duration: 8 minutes 57 seconds

A. Experimental conditions.

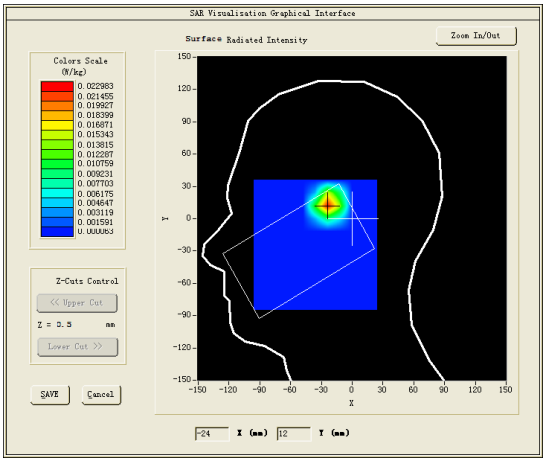
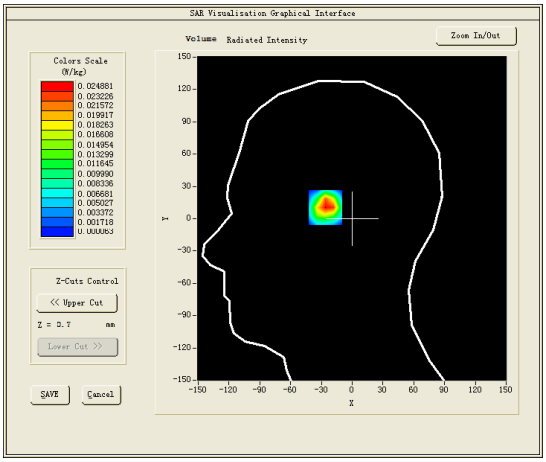
Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Tilt
Band	GSM1900
Channels	Low
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.63

B. SAR Measurement Results

Middle Band SAR (Channel 512):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	40.054401
Relative permittivity (imaginary part)	13.497900
Conductivity (S/m)	1.409781

Variation (%)	1.620000

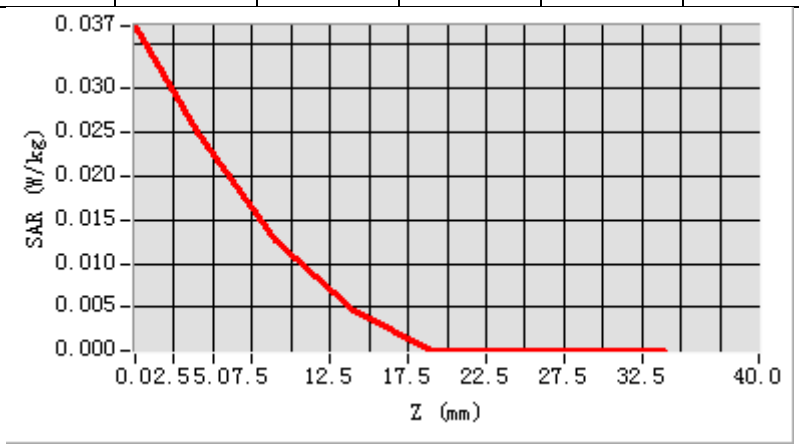
SURFACE SAR	**VOLUME SAR**
	

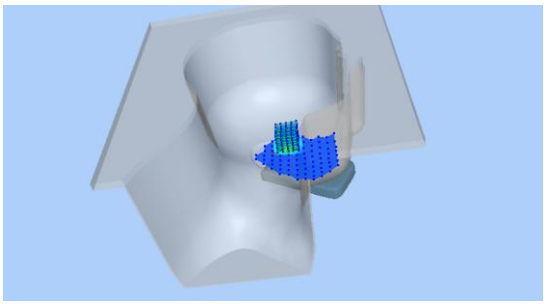
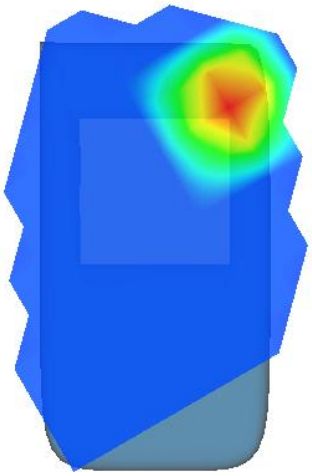
Maximum location: X=-24.00, Y=13.00

SAR Peak: 0.04 W/kg

SAR 10g (W/Kg)	0.130788
SAR 1g (W/Kg)	0.125731

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0371	0.0249	0.0127	0.0046	0.0001	0.0001	0.0001



3D screen shot	Hot spot position
	

MEASUREMENT 26

Towards-ground-with-headset-low-SIM2

Type: Phone measurement (Complete)

Date of measurement: 18/7/2016

Measurement duration: 10 minutes 22 seconds

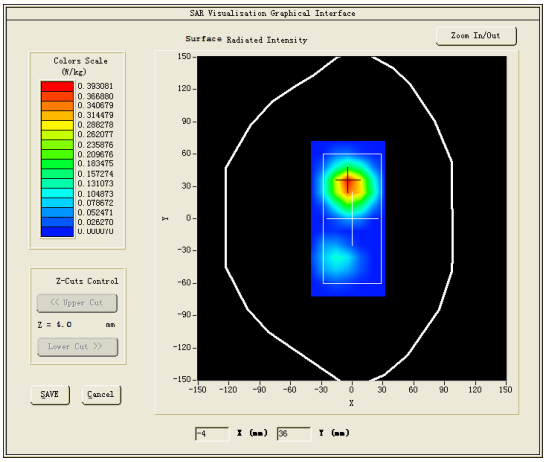
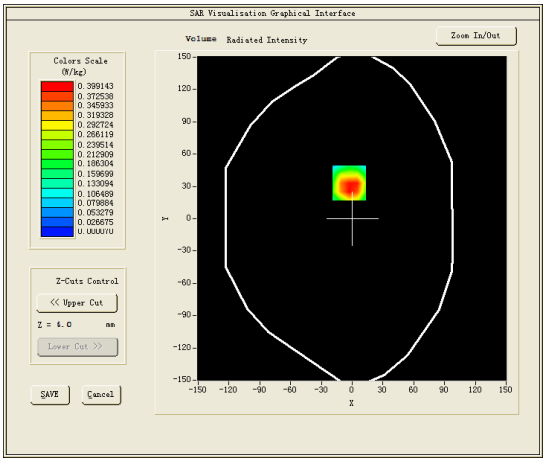
A. Experimental conditions.

Area Scan	dx=12mm dy=12mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	GSM1900
Channels	Low
Signal	GSM(duty cycle : 1:8)
Conversion factor	4.78

B. SAR Measurement Results

Lower Band SAR (Channel 512):

Frequency (MHz)	1850.199951
Relative permittivity (real part)	53.225300
Relative permittivity (imaginary part)	14.826600
Conductivity (S/m)	1.524010
Variation (%)	1.690000

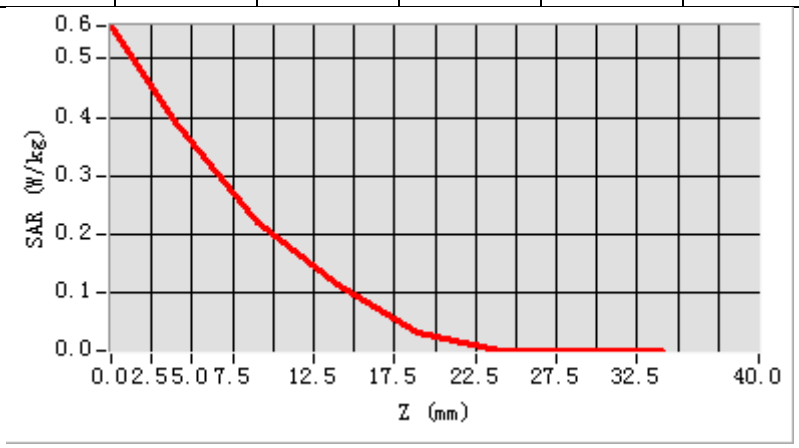
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-3.00, Y=33.00

SAR Peak: 0.66 W/kg

SAR 10g (W/Kg)	0.237663
SAR 1g (W/Kg)	0.365320

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5563	0.3926	0.2191	0.1146	0.0298	0.0001	0.0001



3D screen shot	Hot spot position