

12. SAR Test Data

GSM850

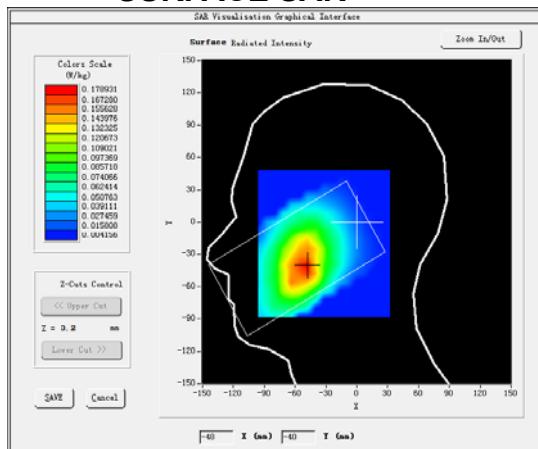
MEASUREMENT 1

Middle Band SAR (Channel 190):

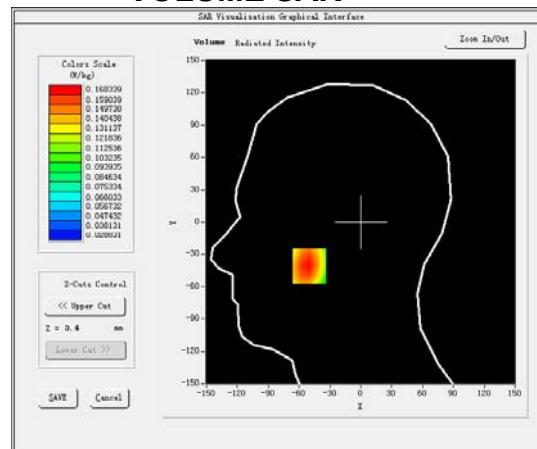
Date: 05/06/2017

Frequency (MHz)	836.600000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	1.000000
Crest Factor:	8.3
Probe Conversion factor	5.50
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>GSM850(voice)</u>

SURFACE SAR



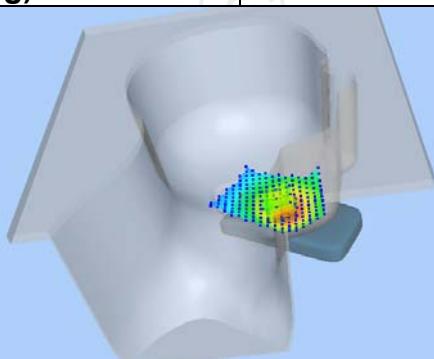
VOLUME SAR

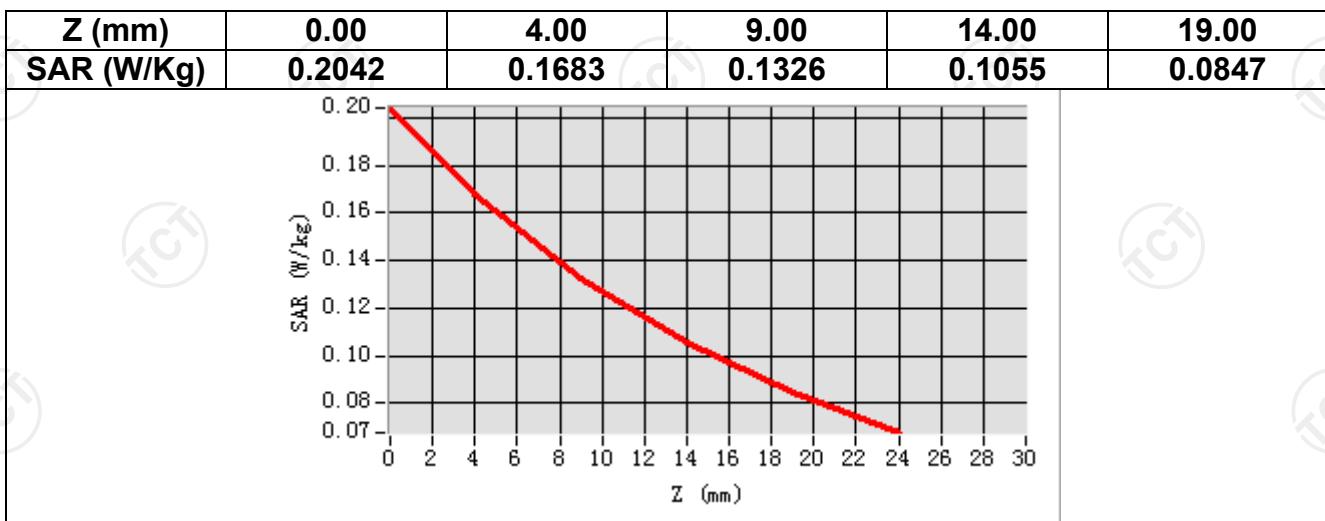
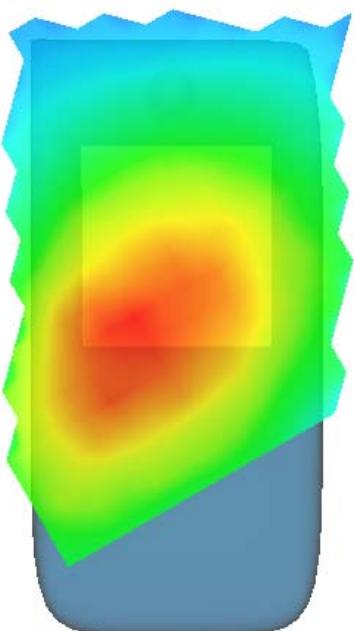


Maximum location: X=-50.00, Y=-41.00 SAR Peak: 0.20 W/kg

SAR 10g (W/Kg) 0.124077

SAR 1g (W/Kg) 0.163612



**Hot spot position**

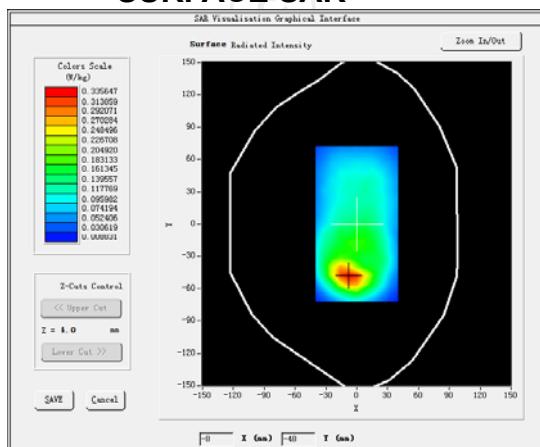
MEASUREMENT 2

Middle Band SAR (Channel 190):

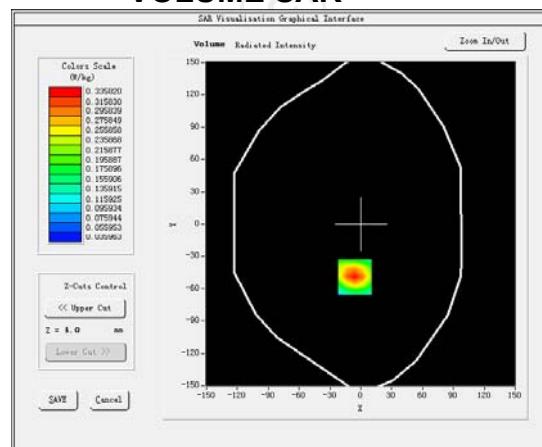
Date: 05/06/2017

Frequency (MHz)	836.600000
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.940253
Variation (%)	-2.980000
Crest Factor:	8.3
Probe Conversion factor	5.65
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(5mm)</u>
Band	<u>GSM850(Voice)</u>

SURFACE SAR

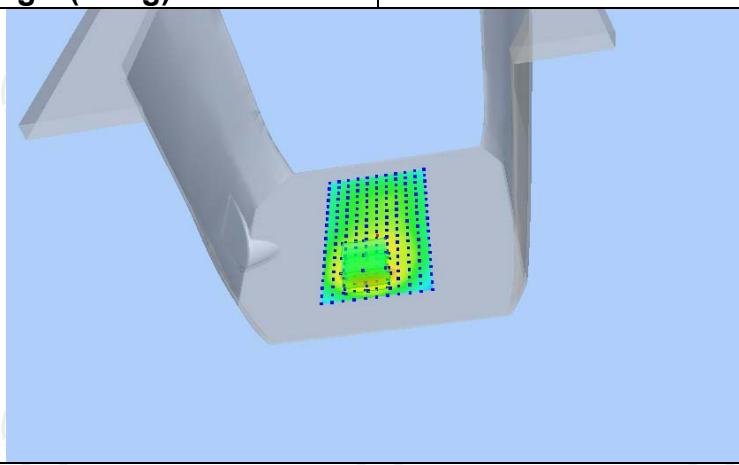


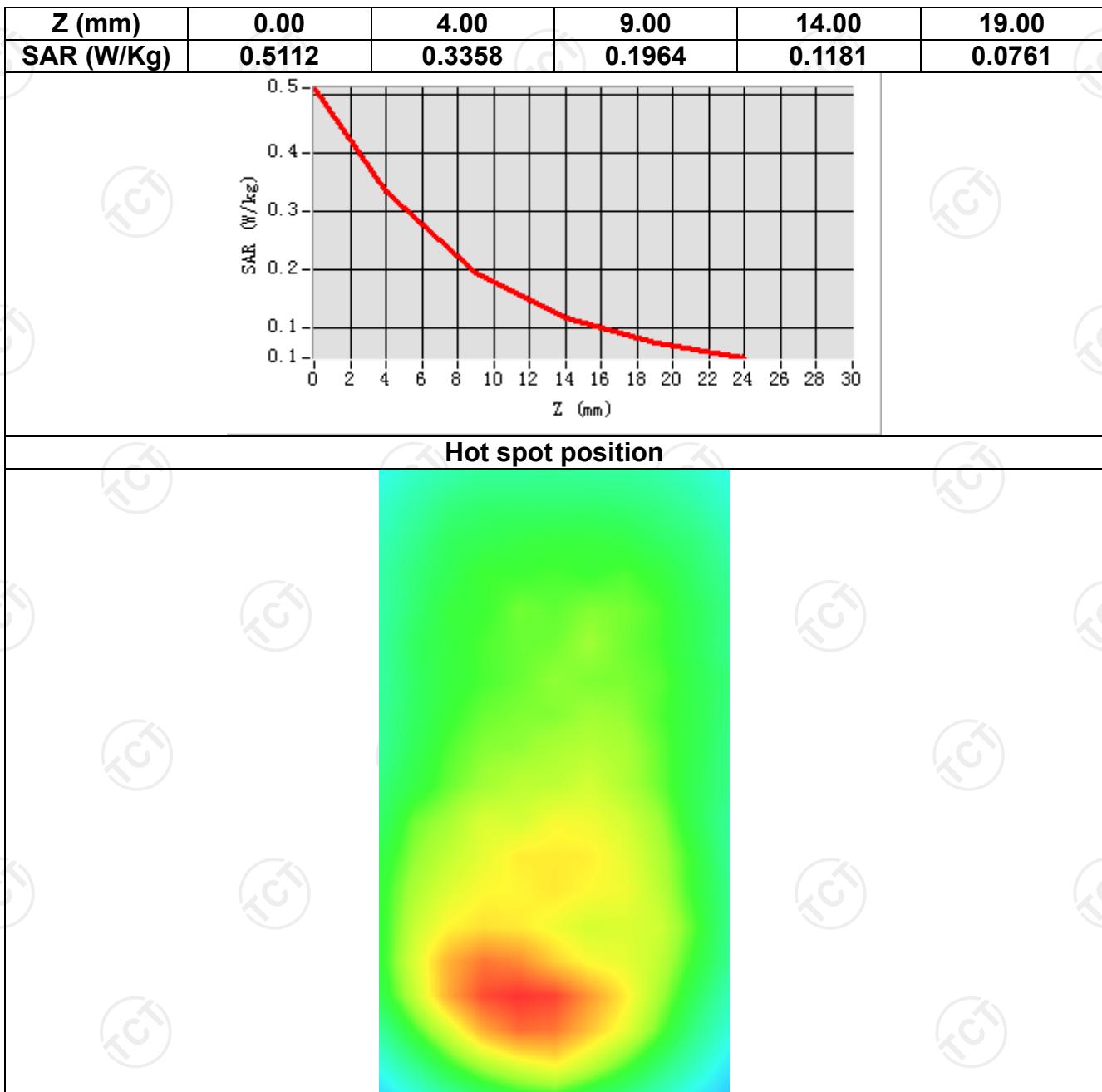
VOLUME SAR



Maximum location: X=-6.00, Y=-49.00 SAR Peak: 0.51 W/kg

SAR 10g (W/Kg)	0.179771
SAR 1g (W/Kg)	0.315400





MEASUREMENT 3

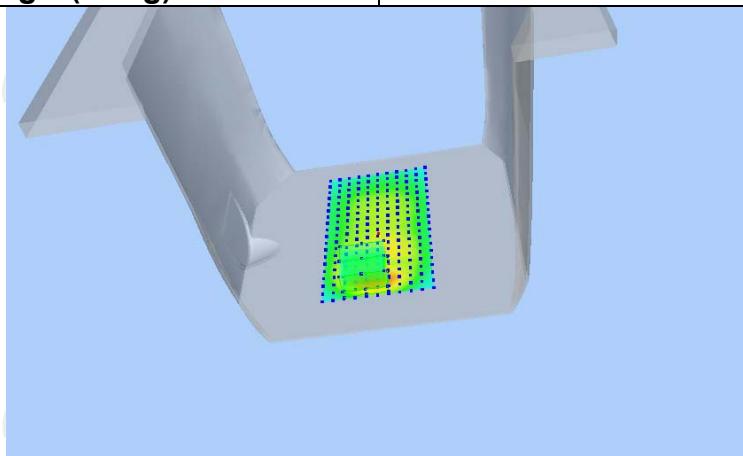
Middle Band SAR (Channel 190):

Date: 05/06/2017

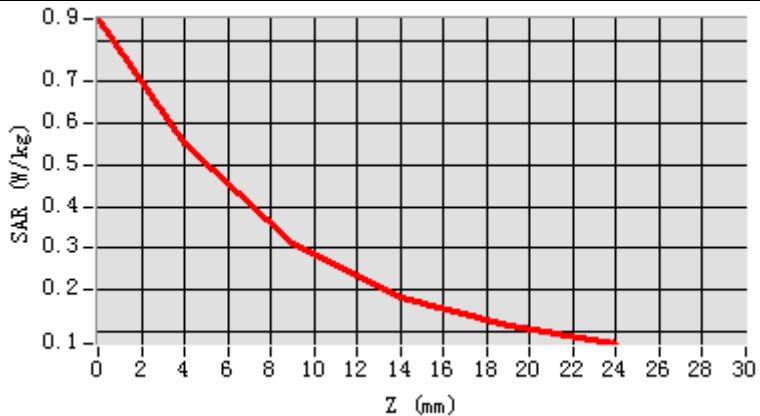
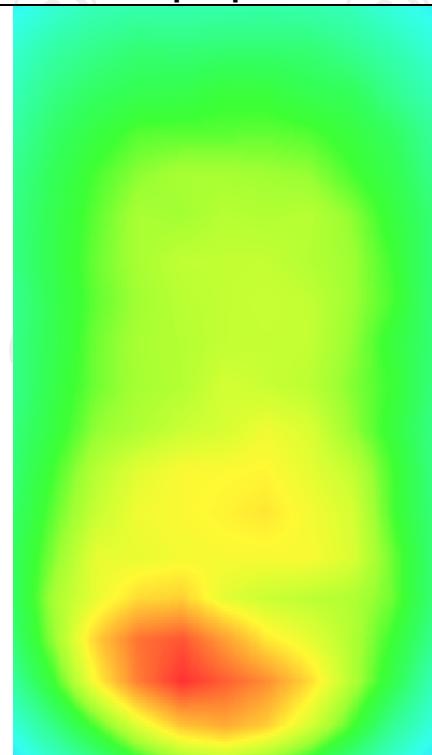
Frequency (MHz)	836.600000
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.940253
Variation (%)	0.930000
Crest Factor:	2.0
Probe Conversion factor	5.65
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(5mm)</u>
Band	<u>GSM850(GPRS 4slot)</u>
SURFACE SAR	VOLUME SAR

Maximum location: X=-8.00, Y=-54.00 SAR Peak: 0.86 W/kg

SAR 10g (W/Kg)	0.285624
SAR 1g (W/Kg)	0.519420



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8524	0.5501	0.3122	0.1805	0.1109

**Hot spot position**

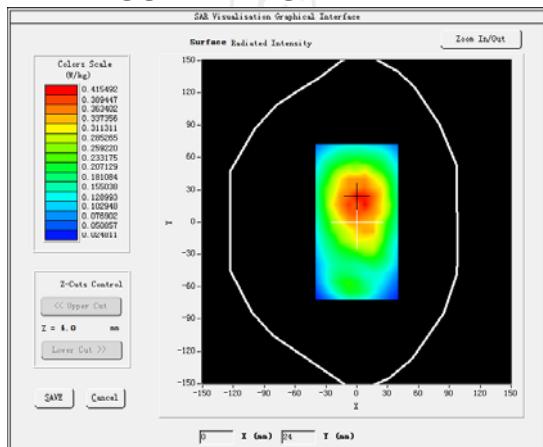
MEASUREMENT 4

Middle Band SAR (Channel 190):

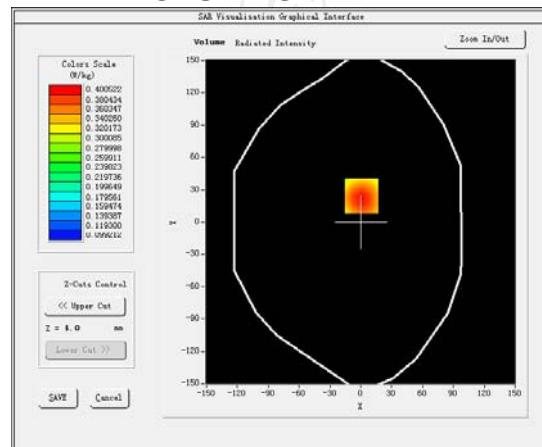
Date: 05/06/2017

Frequency (MHz)	836.600000
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.940253
Variation (%)	0.770000
Crest Factor:	2.0
Probe Conversion factor	5.65
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>GSM850(GPRS 4slot hotspot)</u>

SURFACE SAR

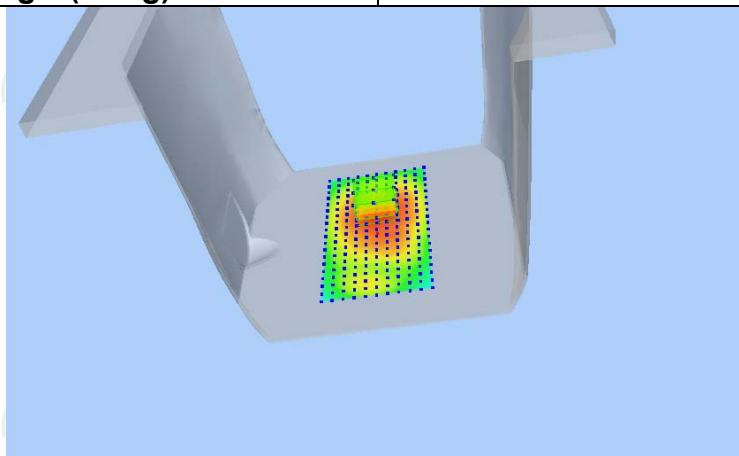


VOLUME SAR

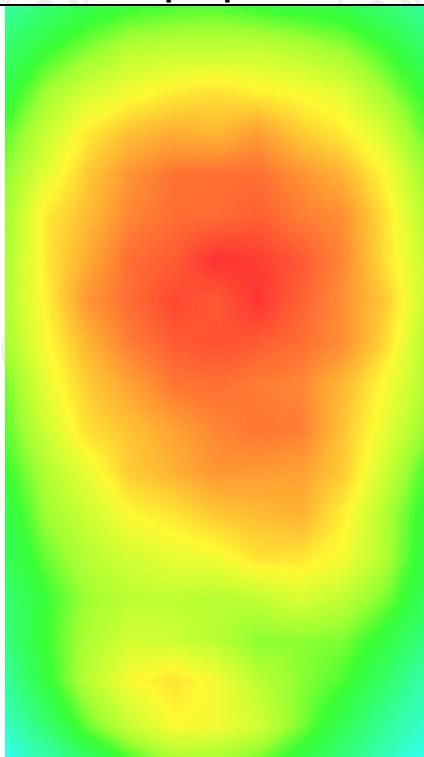


Maximum location: X=1.00, Y=24.00 SAR Peak: 0.53 W/kg

SAR 10g (W/Kg)	0.280015
SAR 1g (W/Kg)	0.388336



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5229	0.4005	0.2912	0.2199	0.1743

**Hot spot position**

GSM1900

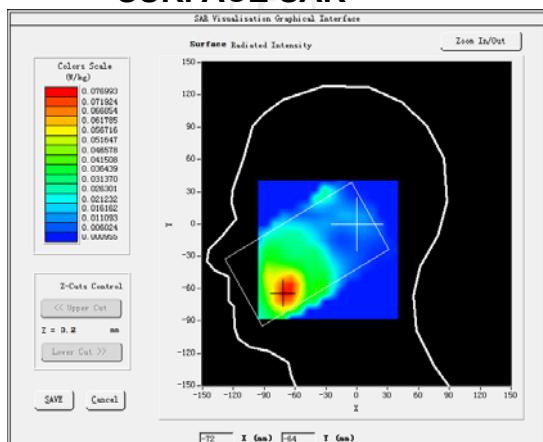
MEASUREMENT 1

Higher Band SAR (Channel 810):

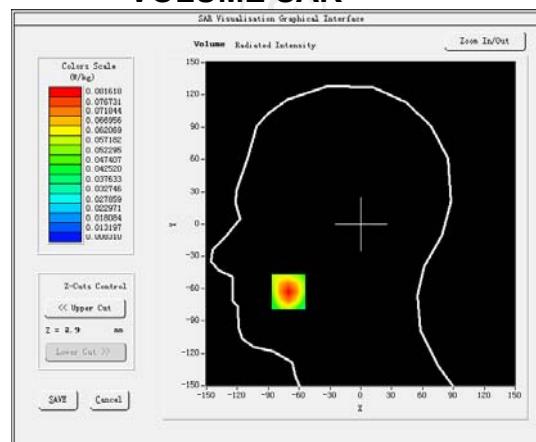
Date: 07/06/2017

Frequency (MHz)	1909.80000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.380609
Variation (%)	3.330000
Crest Factor	8.3
Probe Conversion factor	4.85
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Right head</u>
Device Position	<u>Cheek</u>
Band	<u>GSM1900(voice)</u>

SURFACE SAR

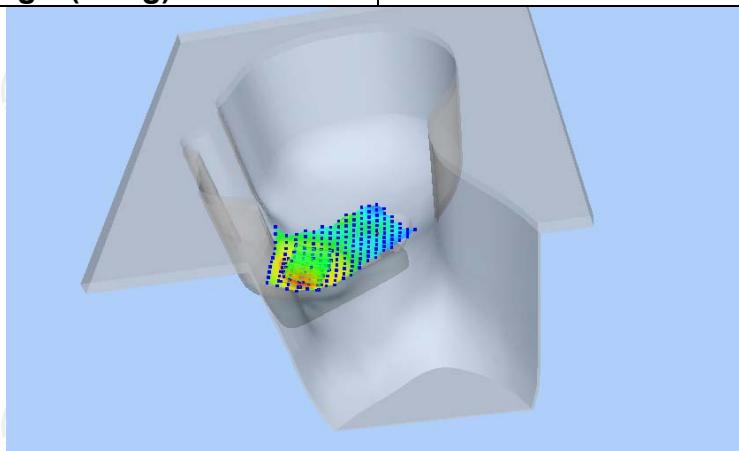


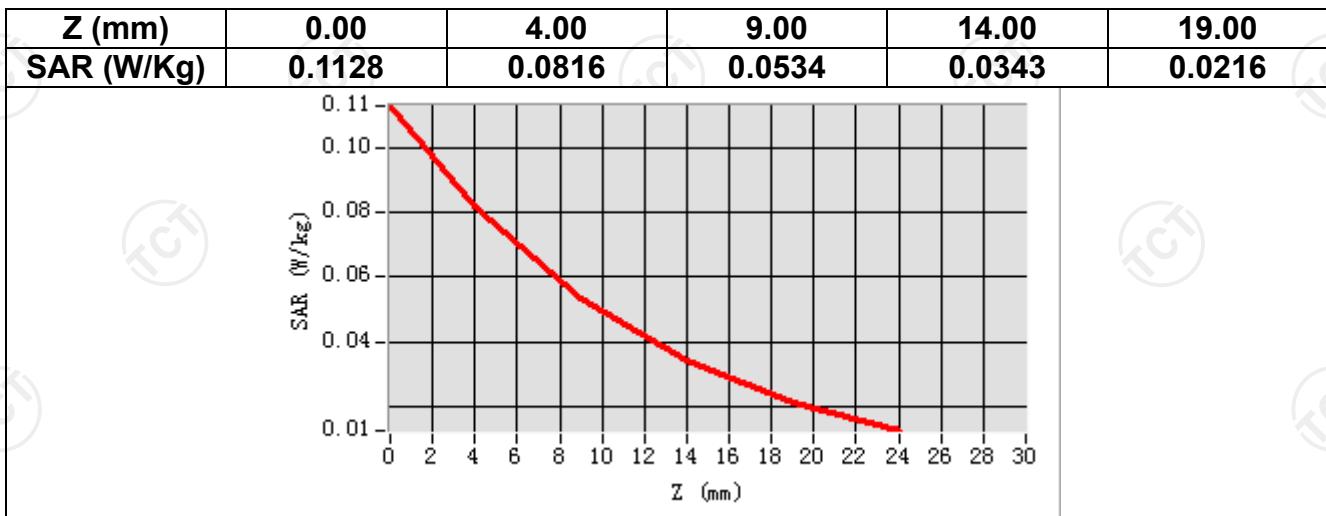
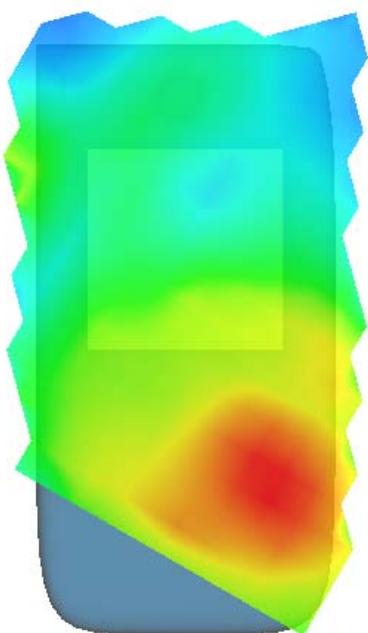
VOLUME SAR



Maximum location: X=-70.00, Y=-63.00 SAR Peak: 0.11 W/kg

SAR 10g (W/Kg)	0.056881
SAR 1g (W/Kg)	0.096799



**Hot spot position**

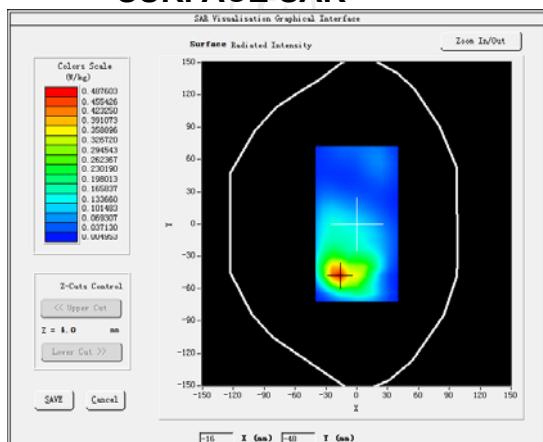
MEASUREMENT 2

Higher Band SAR (Channel 810):

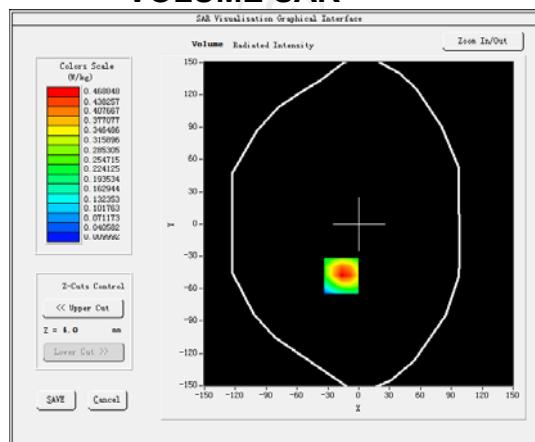
Date: 07/06/2017

Frequency (MHz)	1909.80000
Relative permittivity (real part)	53.291001
Relative permittivity (imaginary part)	14.232400
Conductivity (S/m)	1.530295
Variation (%)	-0.020000
Crest Factor	8.3
Probe Conversion factor	5.01
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(5mm)</u>
Band	<u>GSM1900(voice)</u>

SURFACE SAR

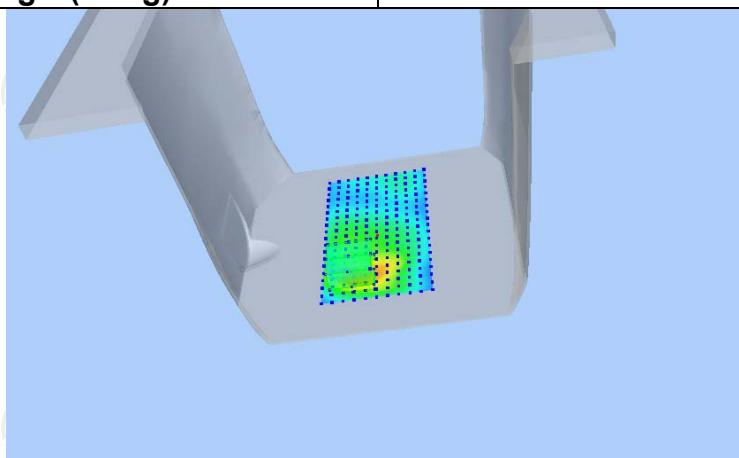


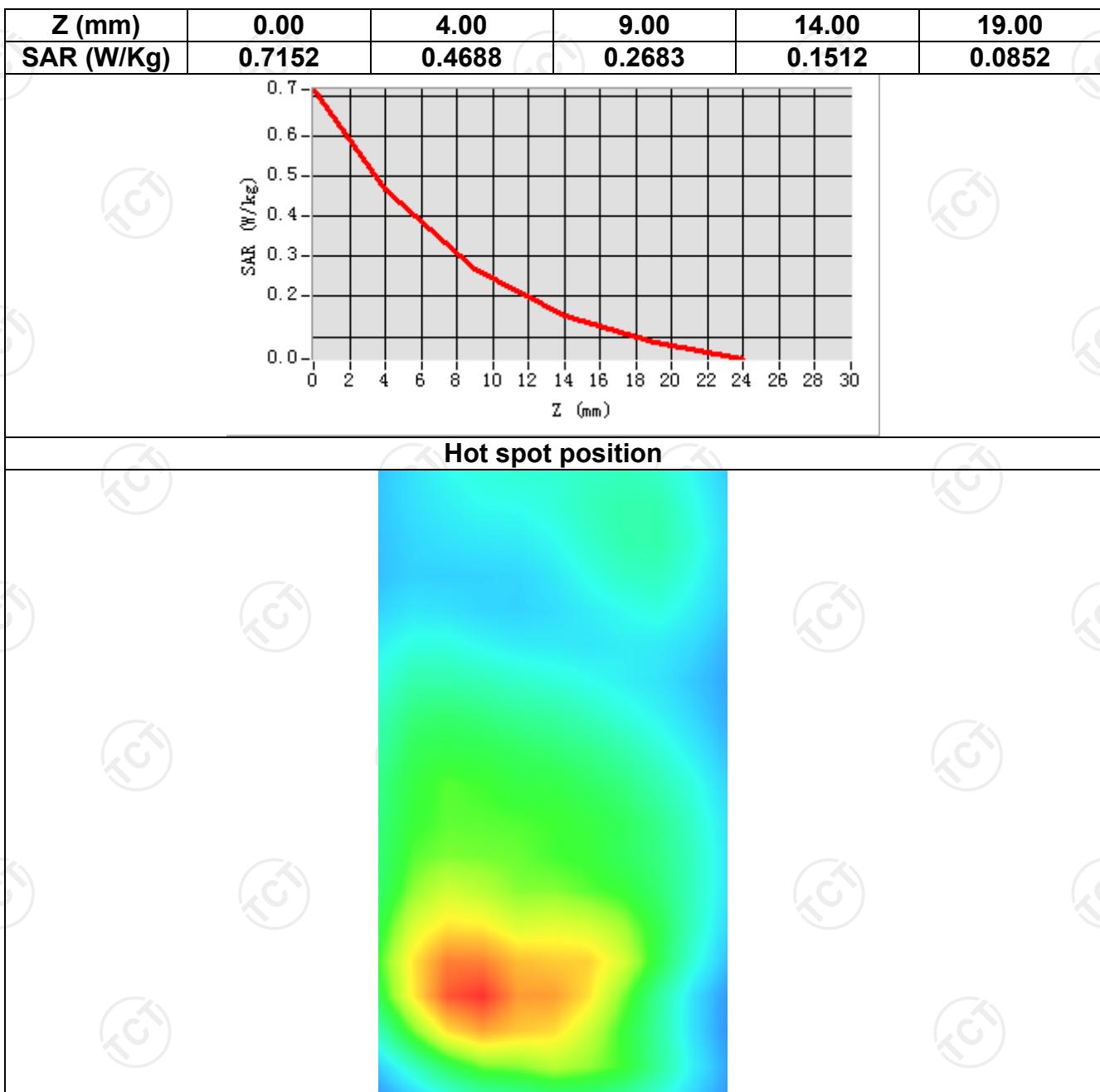
VOLUME SAR



Maximum location: X=-17.00, Y=-48.00 SAR Peak: 0.72 W/kg

SAR 10g (W/Kg)	0.245017
SAR 1g (W/Kg)	0.443334





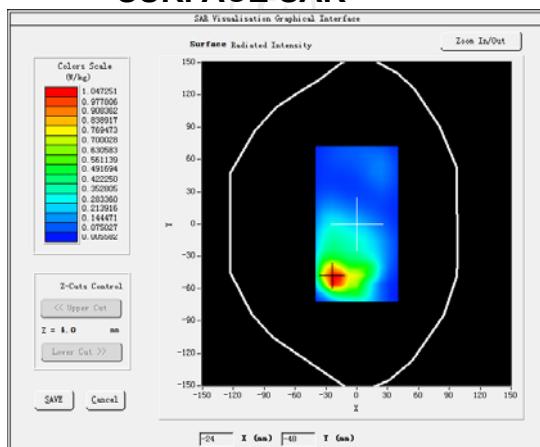
MEASUREMENT 3

Lower Band SAR (Channel 512):

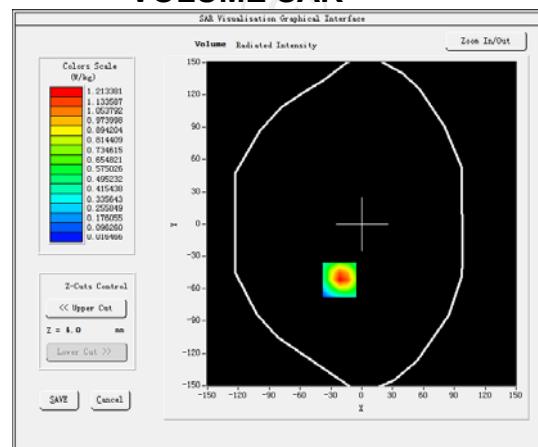
Date: 07/06/2017

Frequency (MHz)	1850.199951
Relative permittivity (real part)	53.341022
Relative permittivity (imaginary part)	14.232220
Conductivity (S/m)	1.486495
Variation (%)	-1.810000
Crest Factor	2.0
Probe Conversion factor	5.01
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(5mm)</u>
Band	<u>GSM1900(GPRS 4slot)</u>

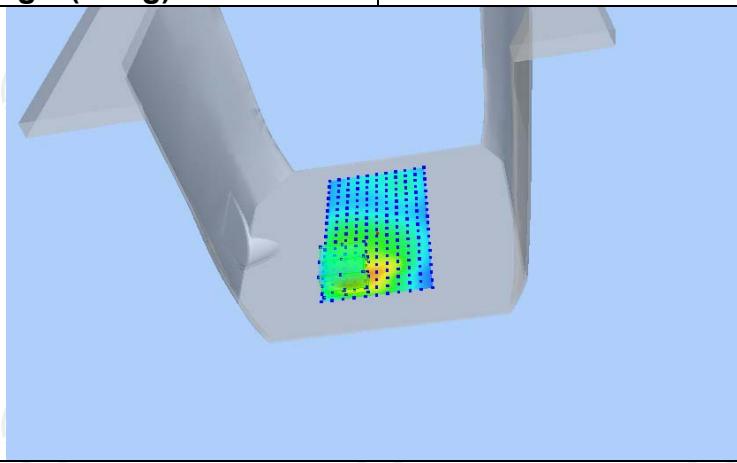
SURFACE SAR



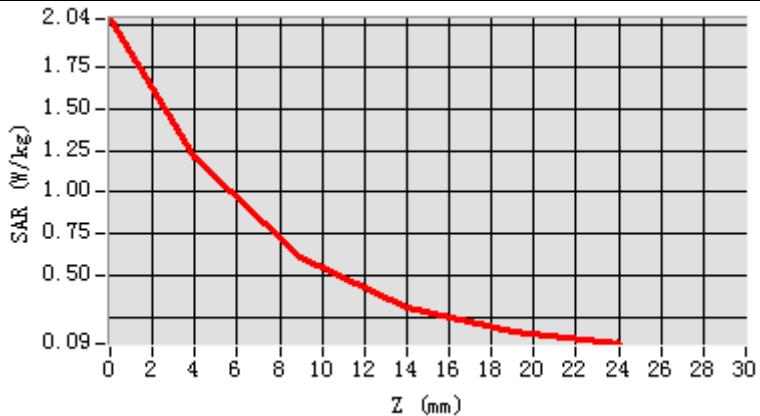
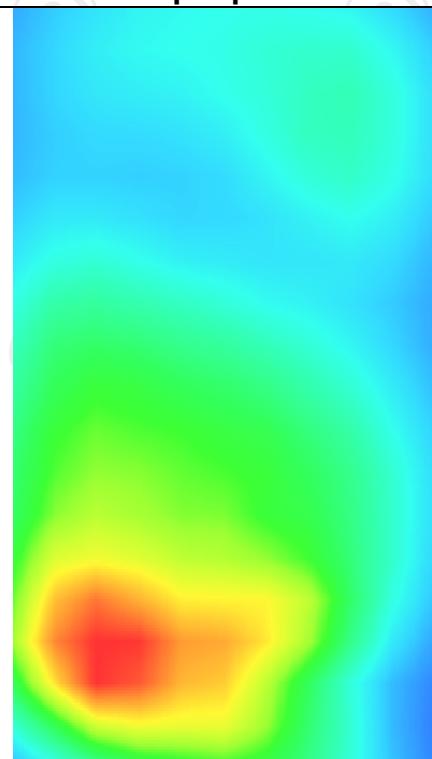
VOLUME SAR


Maximum location: X=-22.00, Y=-52.00 SAR Peak: 2.08 W/kg

SAR 10g (W/Kg)	0.575532
SAR 1g (W/Kg)	1.045772



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	2.0400	1.2134	0.6062	0.3028	0.1625

**Hot spot position**

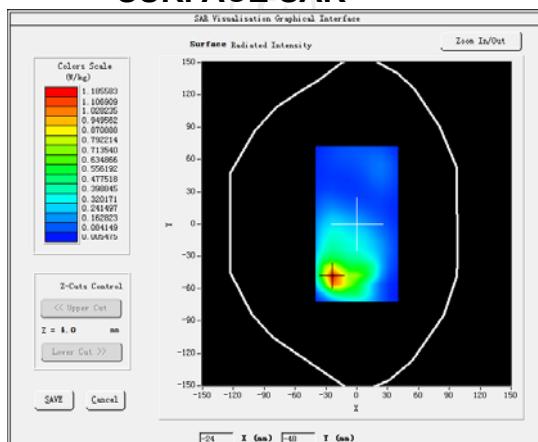
MEASUREMENT 4-repeated

Lower Band SAR (Channel 512):

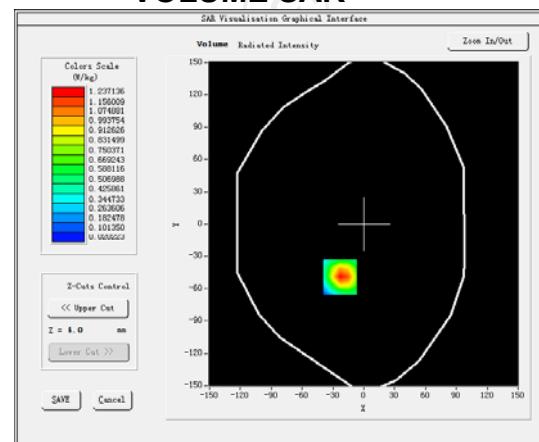
Date: 07/06/2017

Frequency (MHz)	1850.199951
Relative permittivity (real part)	53.341022
Relative permittivity (imaginary part)	14.232220
Conductivity (S/m)	1.486495
Variation (%)	-0.780000
Crest Factor	2.0
Probe Conversion factor	5.01
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(5mm)</u>
Band	<u>GSM1900(GPRS 4slot)</u>

SURFACE SAR

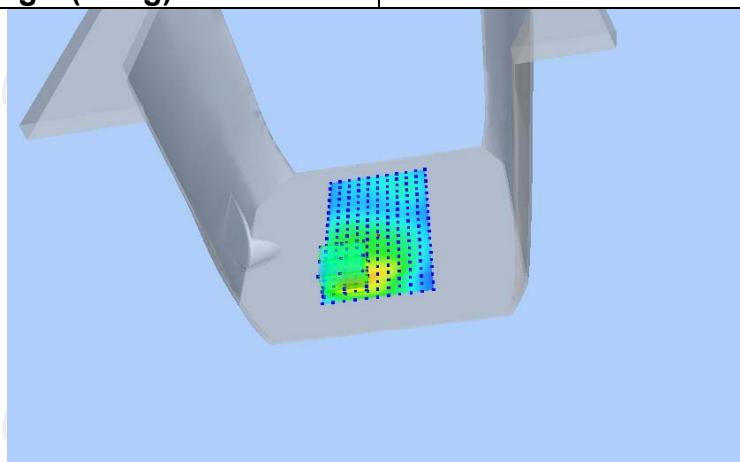


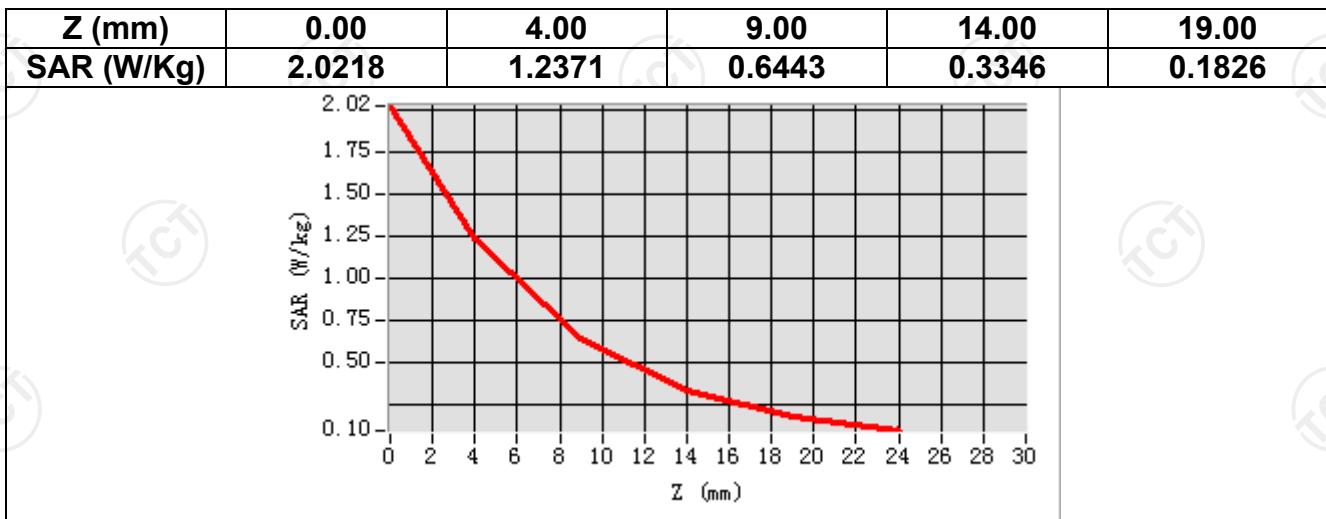
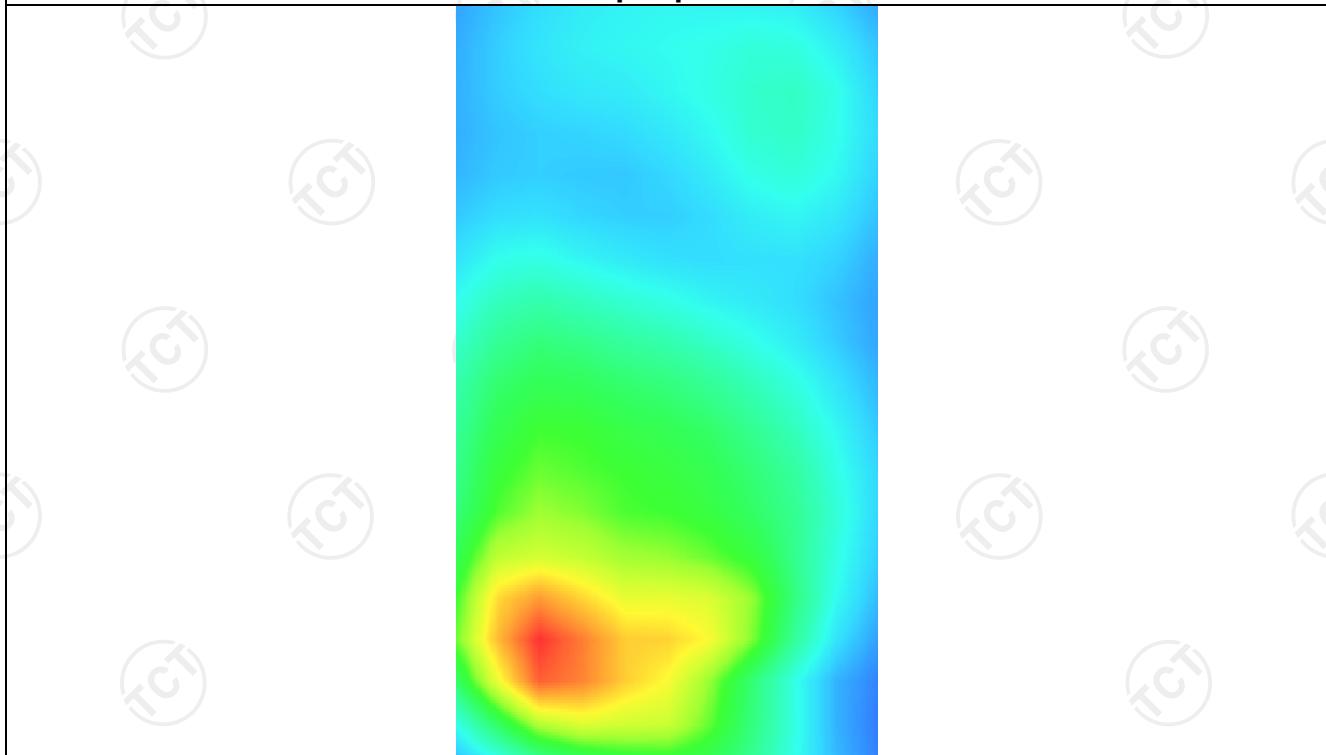
VOLUME SAR



Maximum location: X=-23.00, Y=-49.00 SAR Peak: 2.05 W/kg

SAR 10g (W/Kg)	0.578785
SAR 1g (W/Kg)	1.054243

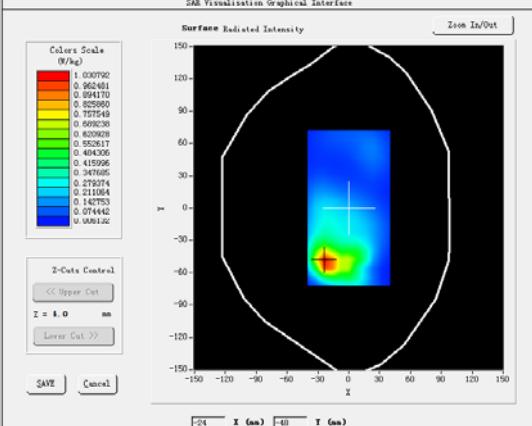
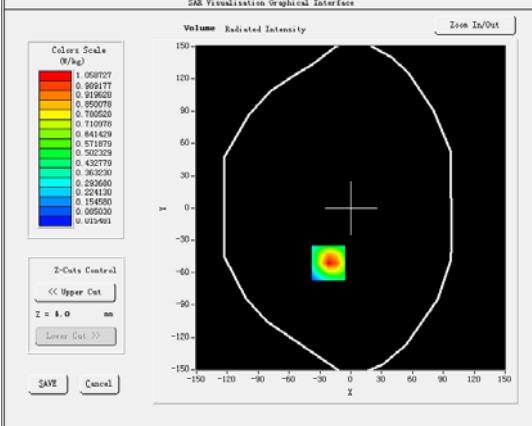


**Hot spot position**

MEASUREMENT 5

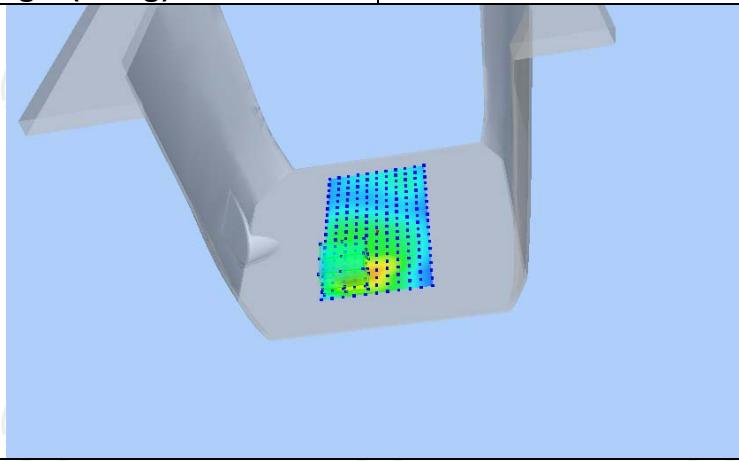
Middle Band SAR (Channel 661):

Date: 07/06/2017

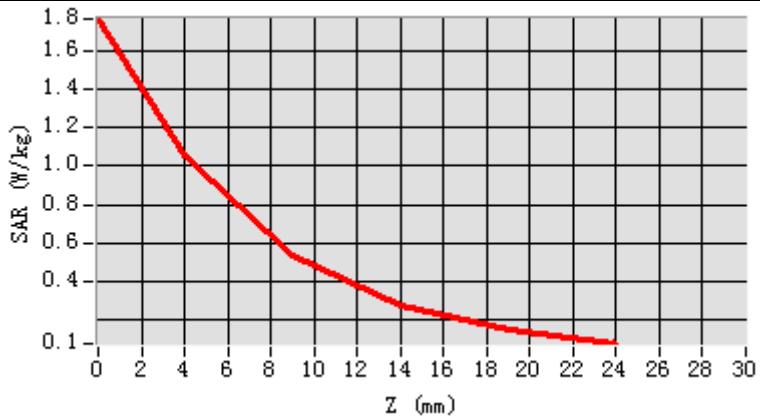
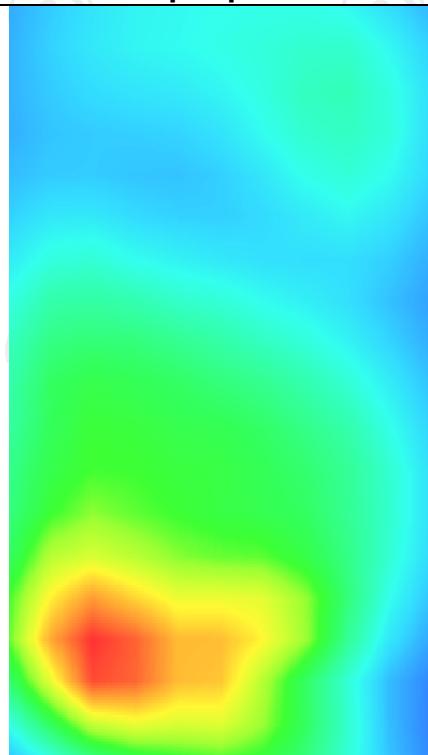
Frequency (MHz)	1880.000000
Relative permittivity (real part)	53.320121
Relative permittivity (imaginary part)	14.225400
Conductivity (S/m)	1.500251
Variation (%)	-0.760000
Crest Factor	2.0
Probe Conversion factor	5.01
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(5mm)</u>
Band	<u>GSM1900(GPRS 4slot)</u>
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-22.00, Y=-51.00 SAR Peak: 1.78 W/kg

SAR 10g (W/Kg)	0.497182
SAR 1g (W/Kg)	0.989377



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.7621	1.0587	0.5368	0.2717	0.1464

**Hot spot position**

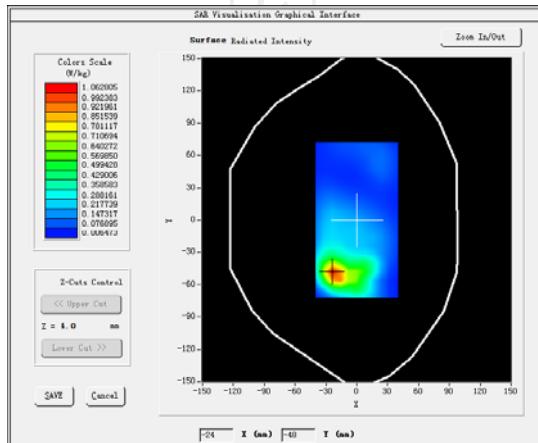
MEASUREMENT 6

Higher Band SAR (Channel 810):

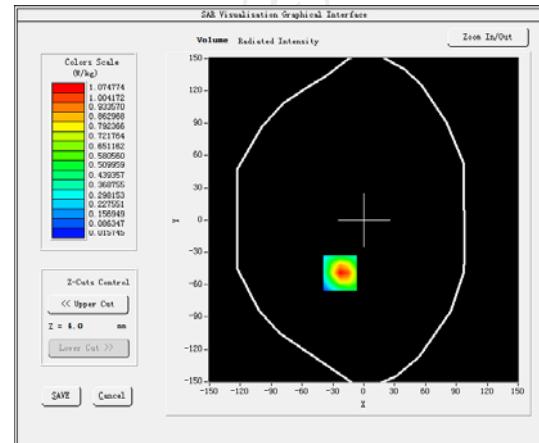
Date: 07/06/2017

Frequency (MHz)	1909.80000
Relative permittivity (real part)	53.291001
Relative permittivity (imaginary part)	14.232400
Conductivity (S/m)	1.530295
Variation (%)	-0.900000
Crest Factor	2.0
Probe Conversion factor	5.01
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(5mm)</u>
Band	<u>GSM1900(GPRS 4slot)</u>

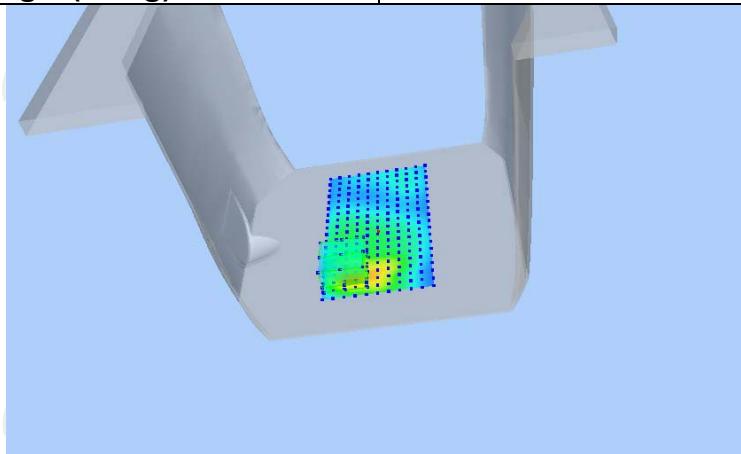
SURFACE SAR

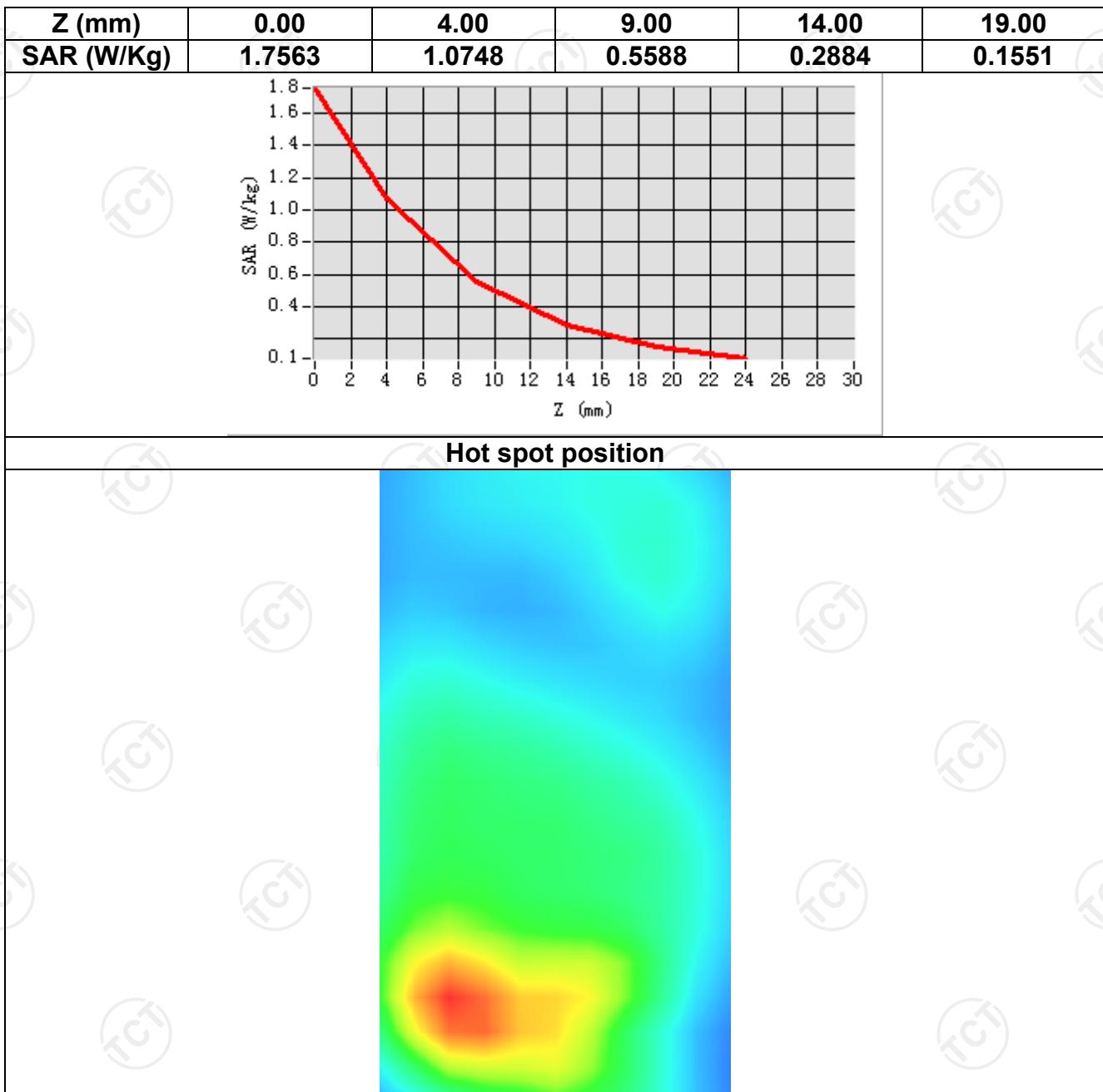


VOLUME SAR


Maximum location: X=-23.00, Y=-49.00 SAR Peak: 1.78 W/kg

SAR 10g (W/Kg)	0.500886
SAR 1g (W/Kg)	1.008281





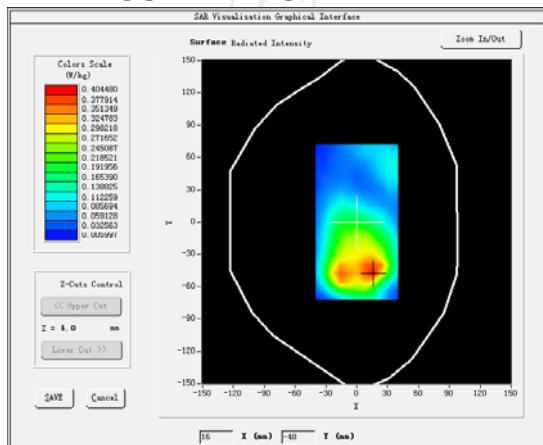
MEASUREMENT 7

Higher Band SAR (Channel 810):

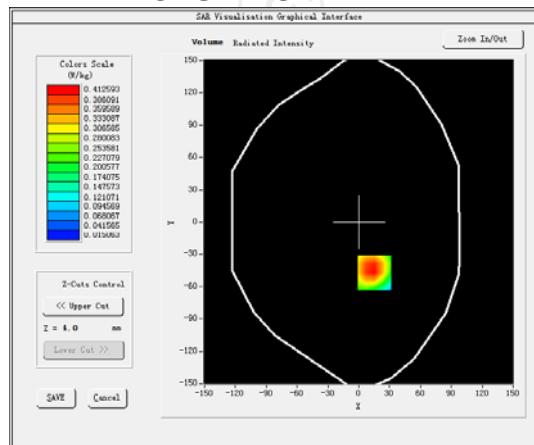
Date: 07/06/2017

Frequency (MHz)	1909.80000
Relative permittivity (real part)	50.741001
Relative permittivity (imaginary part)	14.232400
Conductivity (S/m)	1.486495
Variation (%)	-2.070000
Crest Factor	2.0
Probe Conversion factor	5.01
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>GSM1900(GPRS 4slot hotspot)</u>

SURFACE SAR

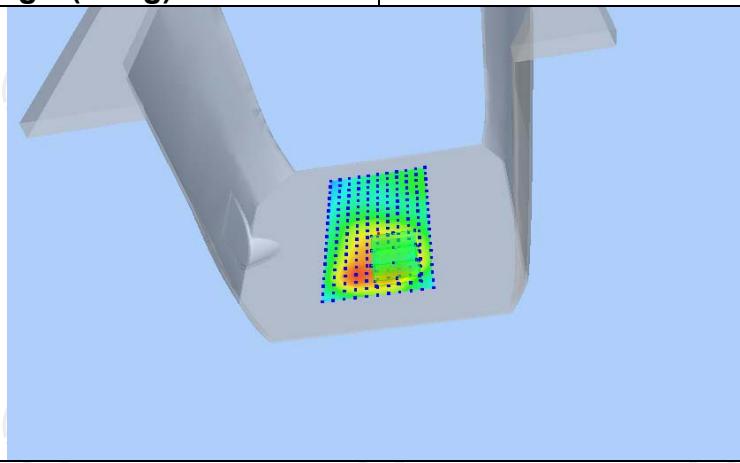


VOLUME SAR

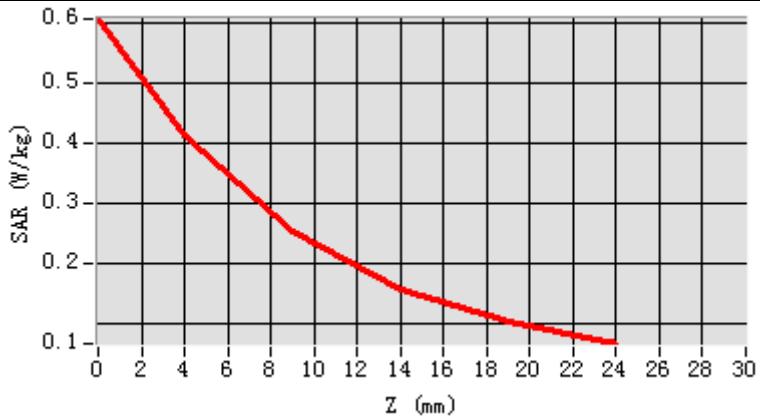
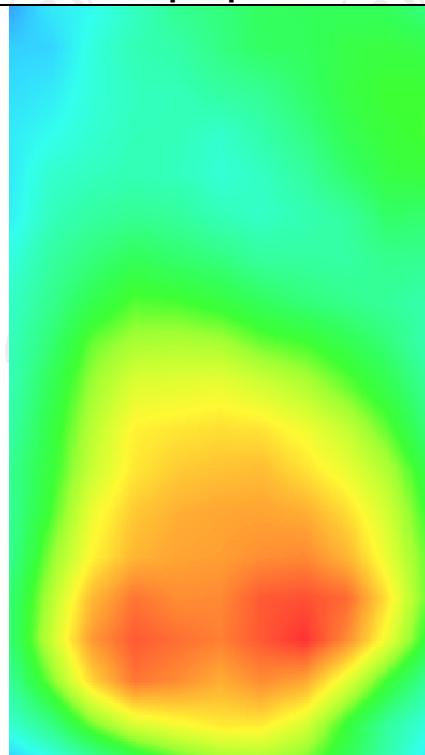


Maximum location: X=15.00, Y=-47.00 SAR Peak: 0.62 W/kg

SAR 10g (W/Kg)	0.235534
SAR 1g (W/Kg)	0.421378



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6071	0.4126	0.2520	0.1566	0.1016

**Hot spot position**

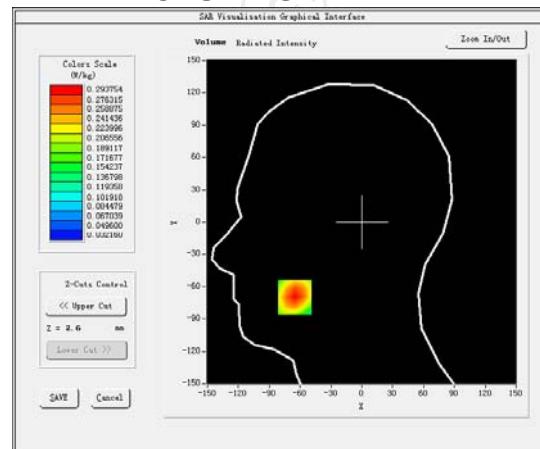
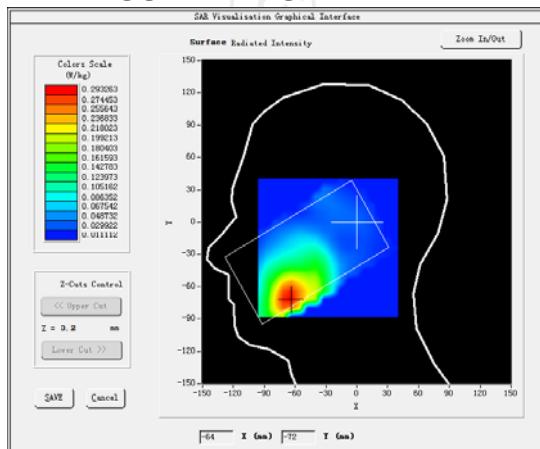
WCDMA Band II

MEASUREMENT 1

Middle Band SAR (Channel 9400):

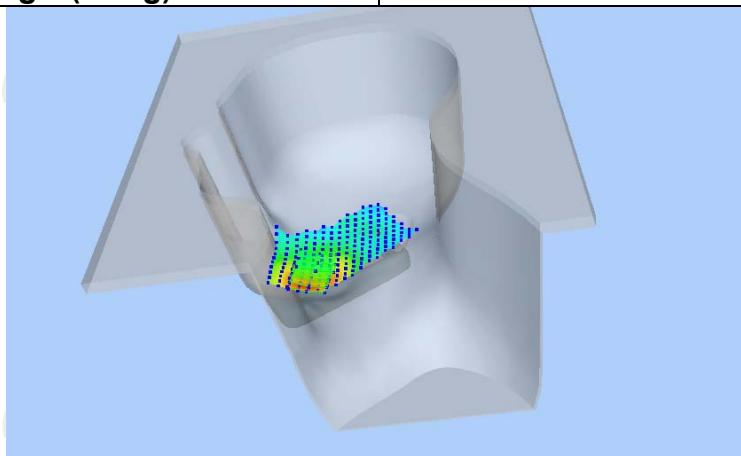
Date: 06/06/2017

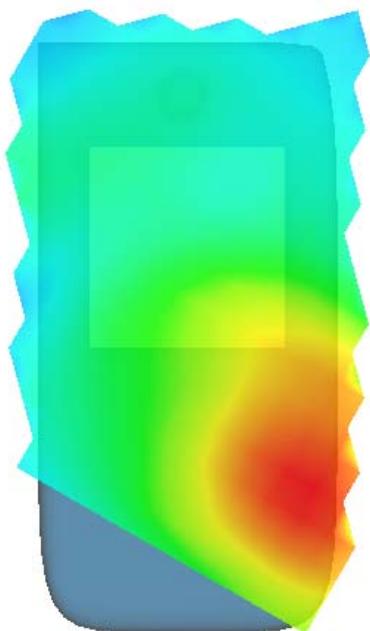
Frequency (MHz)	1880.000000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.350609
Variation (%)	-3.430000
Crest Factor	1.0
Probe Conversion factor	4.85
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Right head</u>
Device Position	<u>Cheek</u>
Band	<u>BAND1 WCDMA2100</u>
SURFACE SAR	VOLUME SAR



Maximum location: X=-65.00, Y=-70.00 SAR Peak: 0.45 W/kg

SAR 10g (W/Kg)	0.167407
SAR 1g (W/Kg)	0.279262



**Hot spot position**

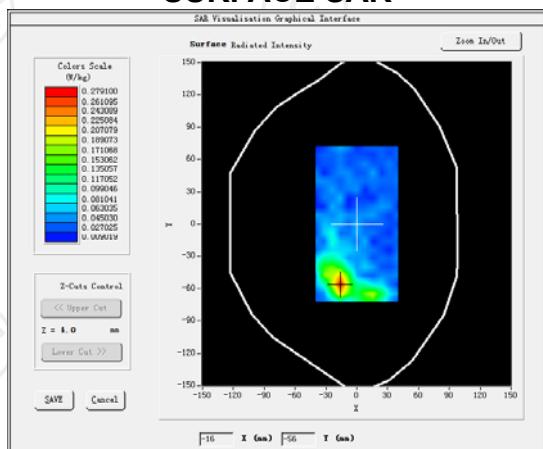
MEASUREMENT 2

Middle Band SAR (Channel 9400):

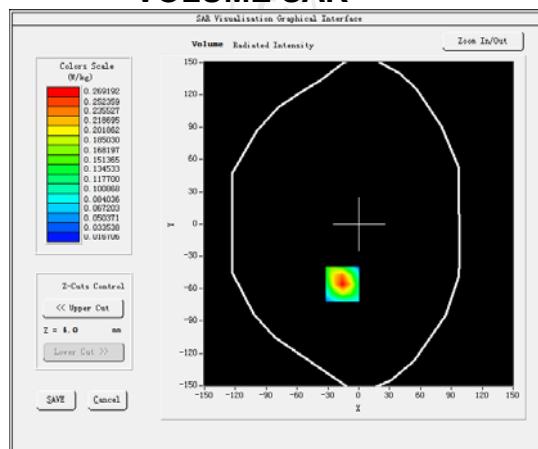
Date: 06/06/2017

Frequency (MHz)	1880.000000
Relative permittivity (real part)	53.320121
Relative permittivity (imaginary part)	14.225400
Conductivity (S/m)	1.500251
Variation (%)	2.750000
Crest Factor	1.0
Probe Conversion factor	5.01
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(5mm)</u>
Band	<u>BAND1 WCDMA2100</u>

SURFACE SAR

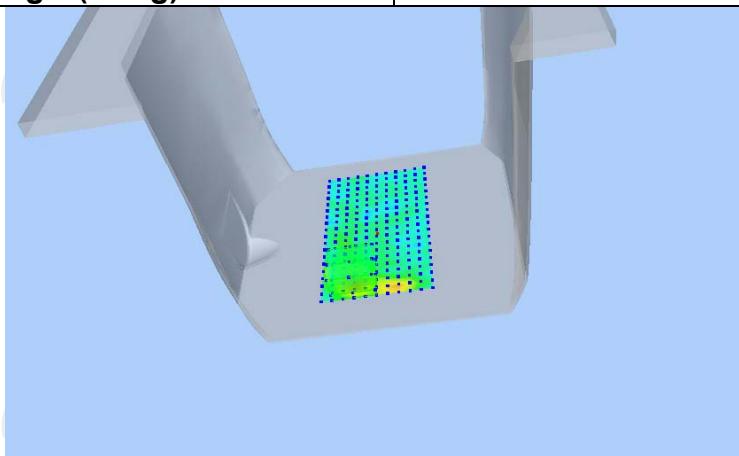


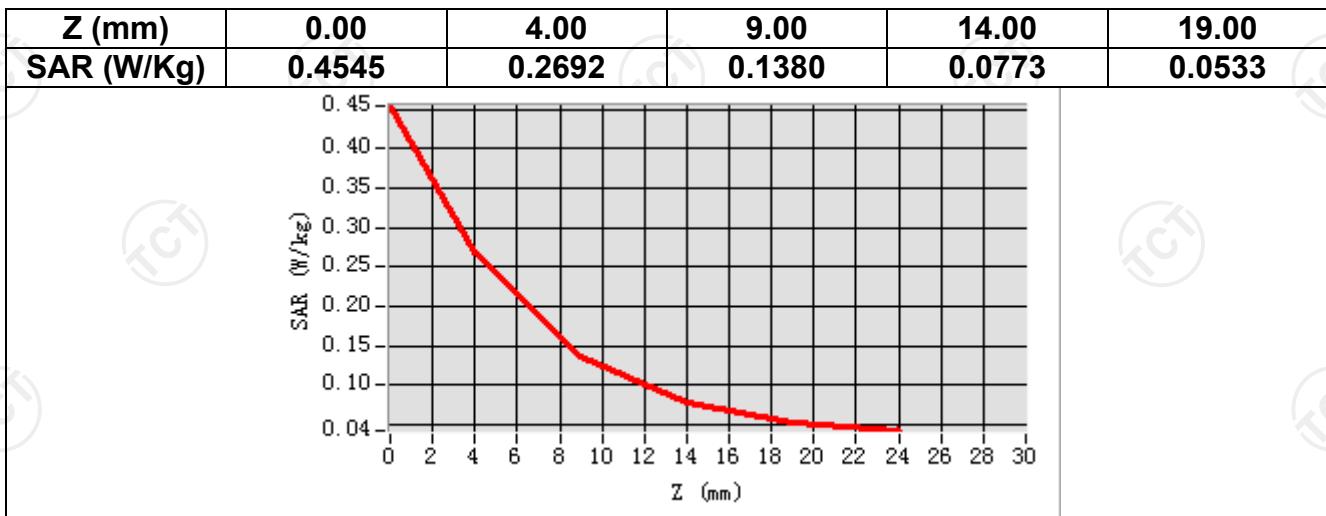
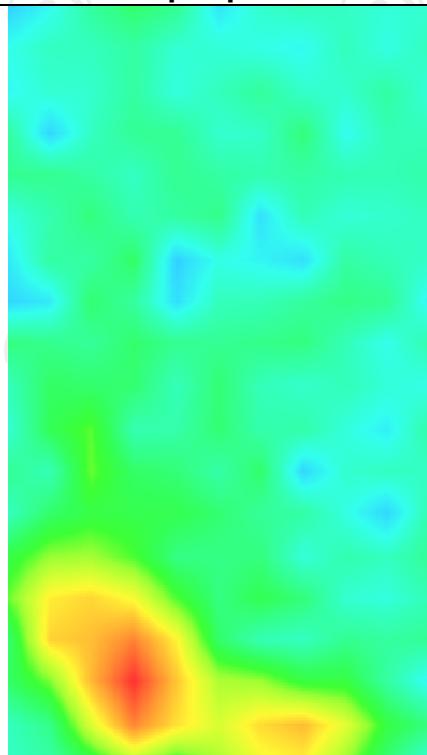
VOLUME SAR



Maximum location: X=-16.00, Y=-56.00 SAR Peak: 0.46 W/kg

SAR 10g (W/Kg)	0.132135
SAR 1g (W/Kg)	0.251197



**Hot spot position**

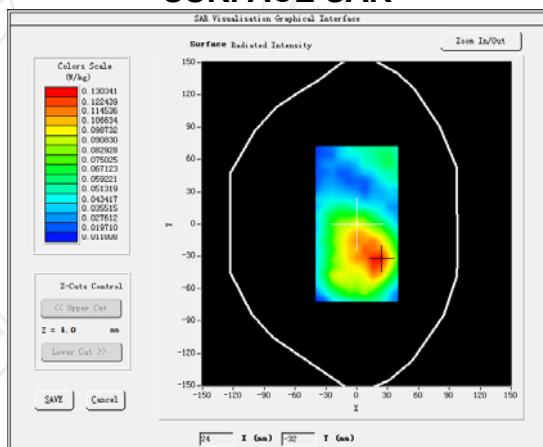
MEASUREMENT 3

Middle Band SAR (Channel 9400):

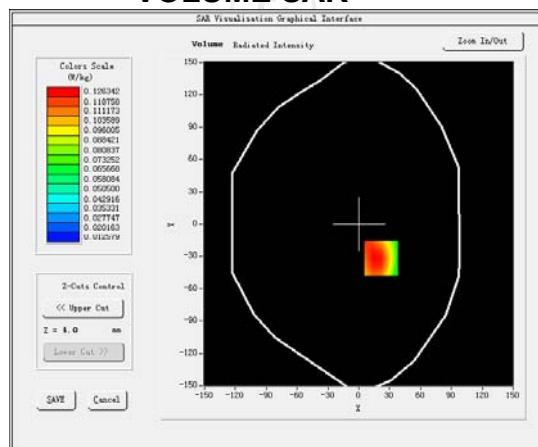
Date: 06/06/2017

Frequency (MHz)	1880.000000
Relative permittivity (real part)	53.320121
Relative permittivity (imaginary part)	14.225400
Conductivity (S/m)	1.500251
Variation (%)	0.990000
Crest Factor	1.0
Probe Conversion factor	5.01
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>BAND1 WCDMA2100(hotspot)</u>

SURFACE SAR

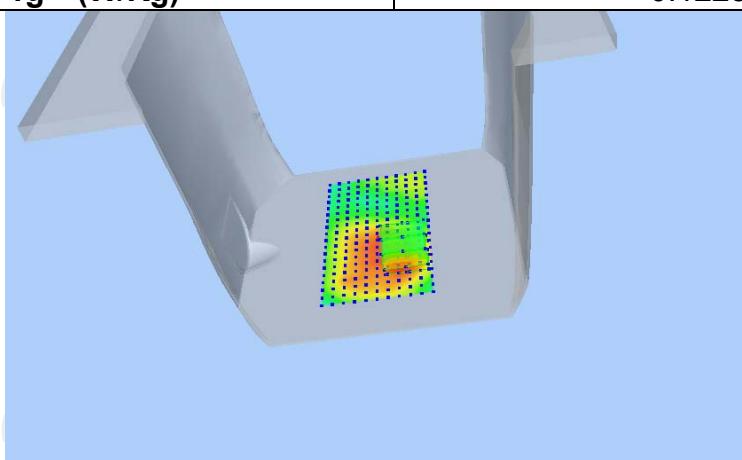


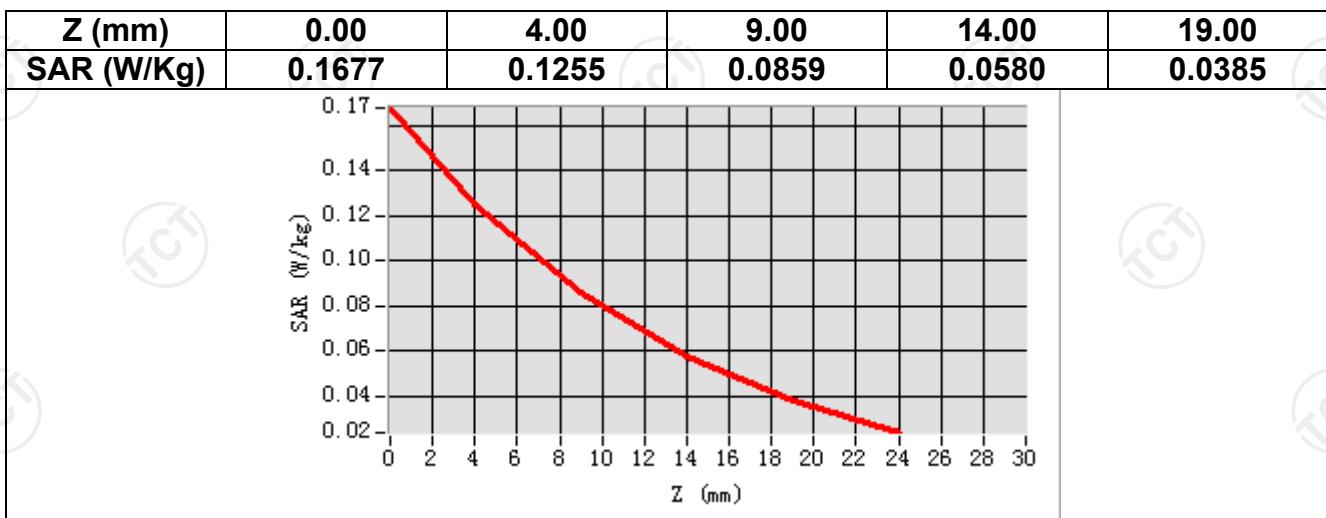
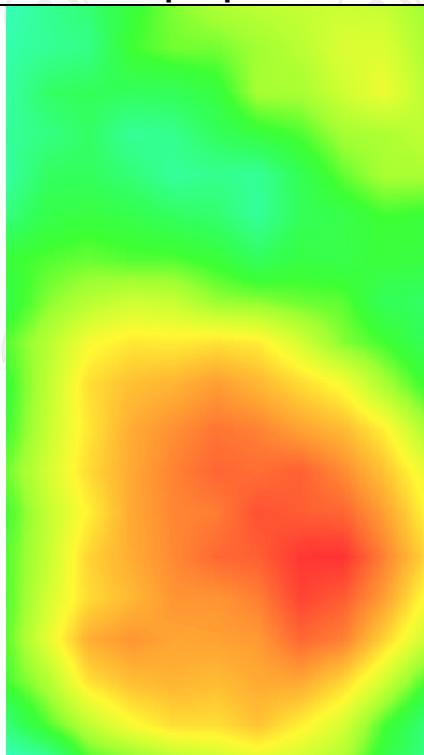
VOLUME SAR



Maximum location: X=22.00, Y=-32.00 SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.081222
SAR 1g (W/Kg)	0.122504



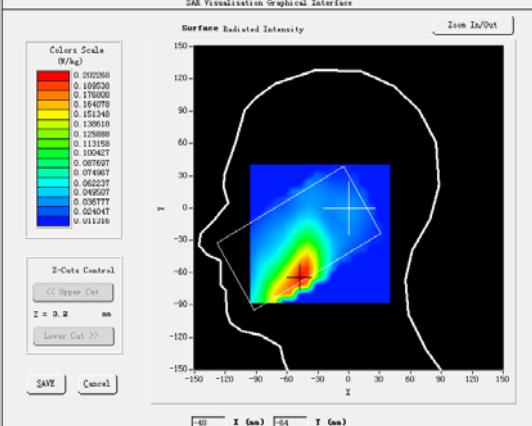
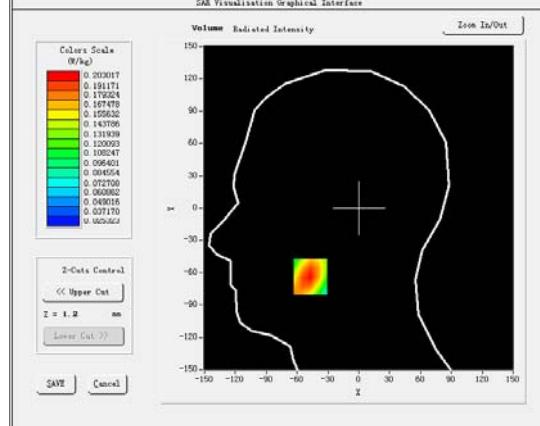
**Hot spot position**

WCDMA Band IV

MEASUREMENT 1

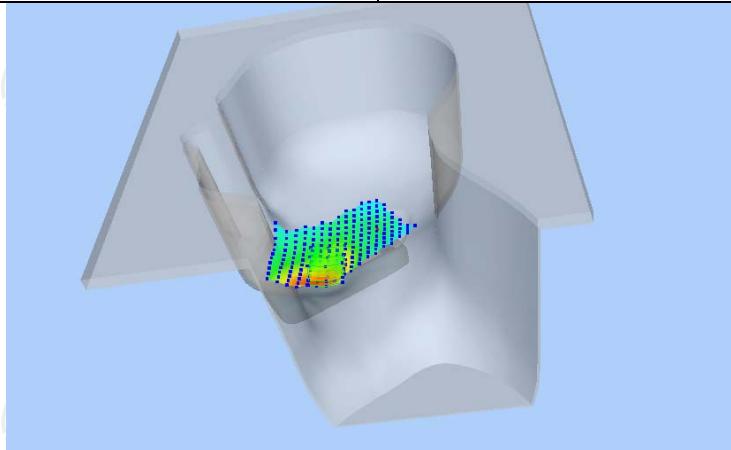
Middle Band SAR (Channel 1413):

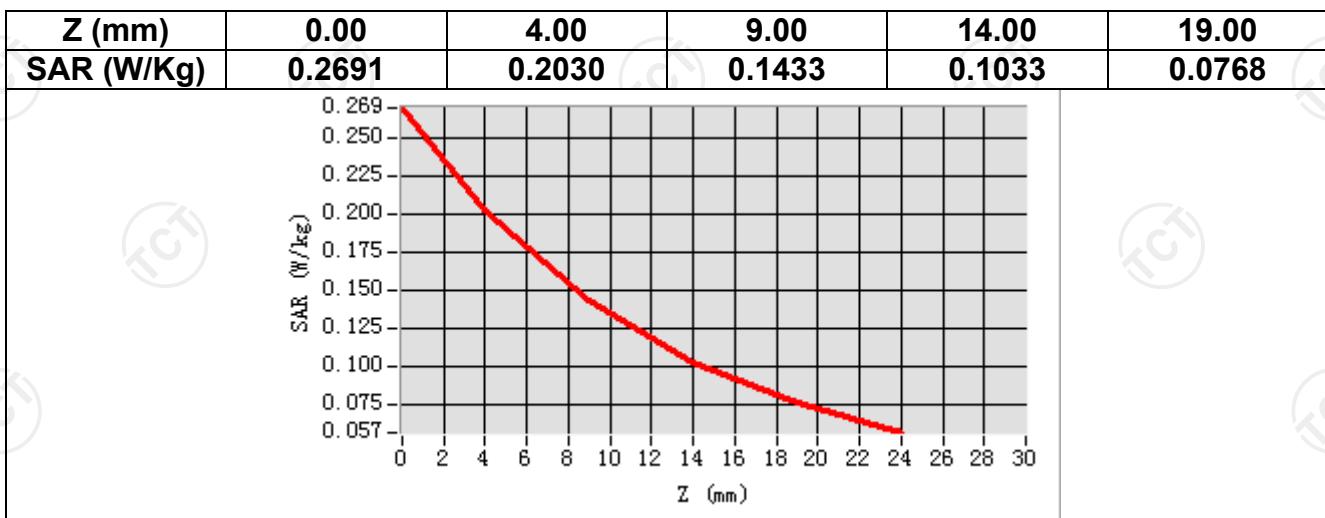
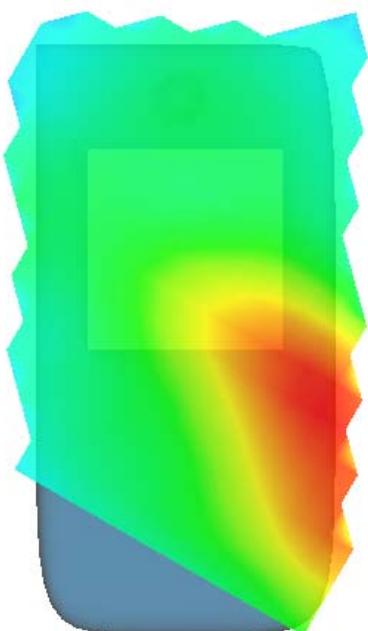
Date: 07/06/2017

Frequency (MHz)	1732.600000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.337609
Variation (%)	0.350000
Crest Factor	1.0
Probe Conversion factor	4.86
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Right head</u>
Device Position	<u>Cheek</u>
Band	<u>BAND1 WCDMA2100</u>
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-47.00, Y=-64.00 SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.128218
SAR 1g (W/Kg)	0.193355

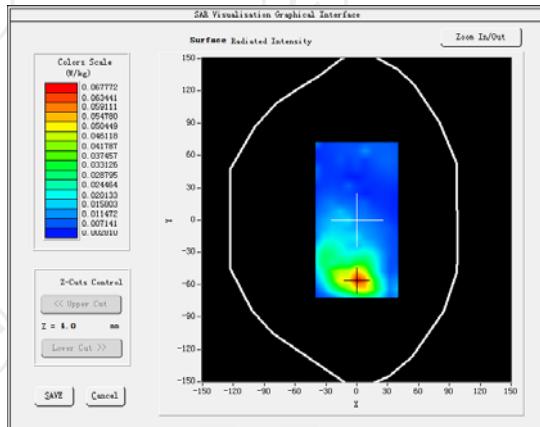
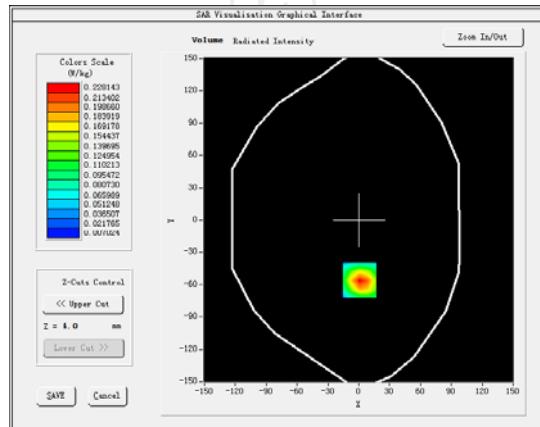


**Hot spot position**

MEASUREMENT 2

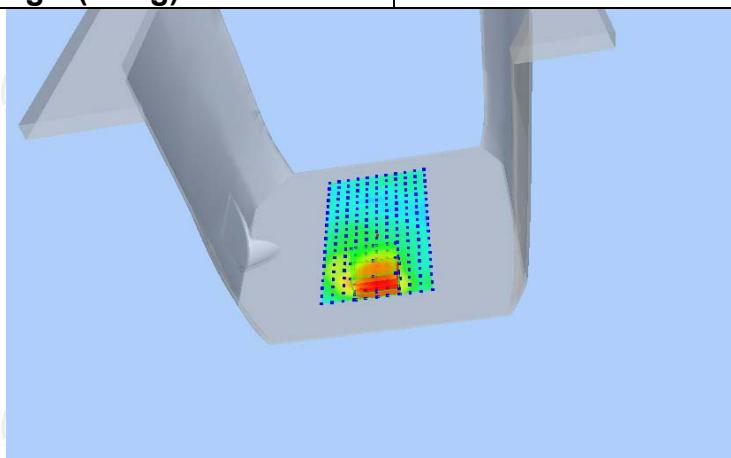
Middle Band SAR (Channel 1413):

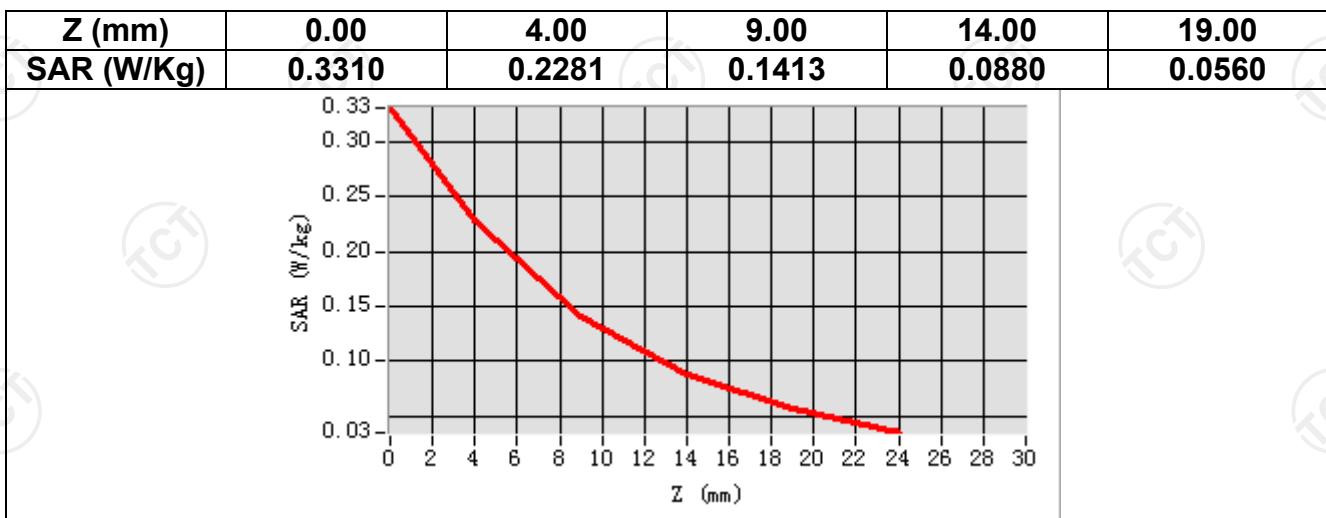
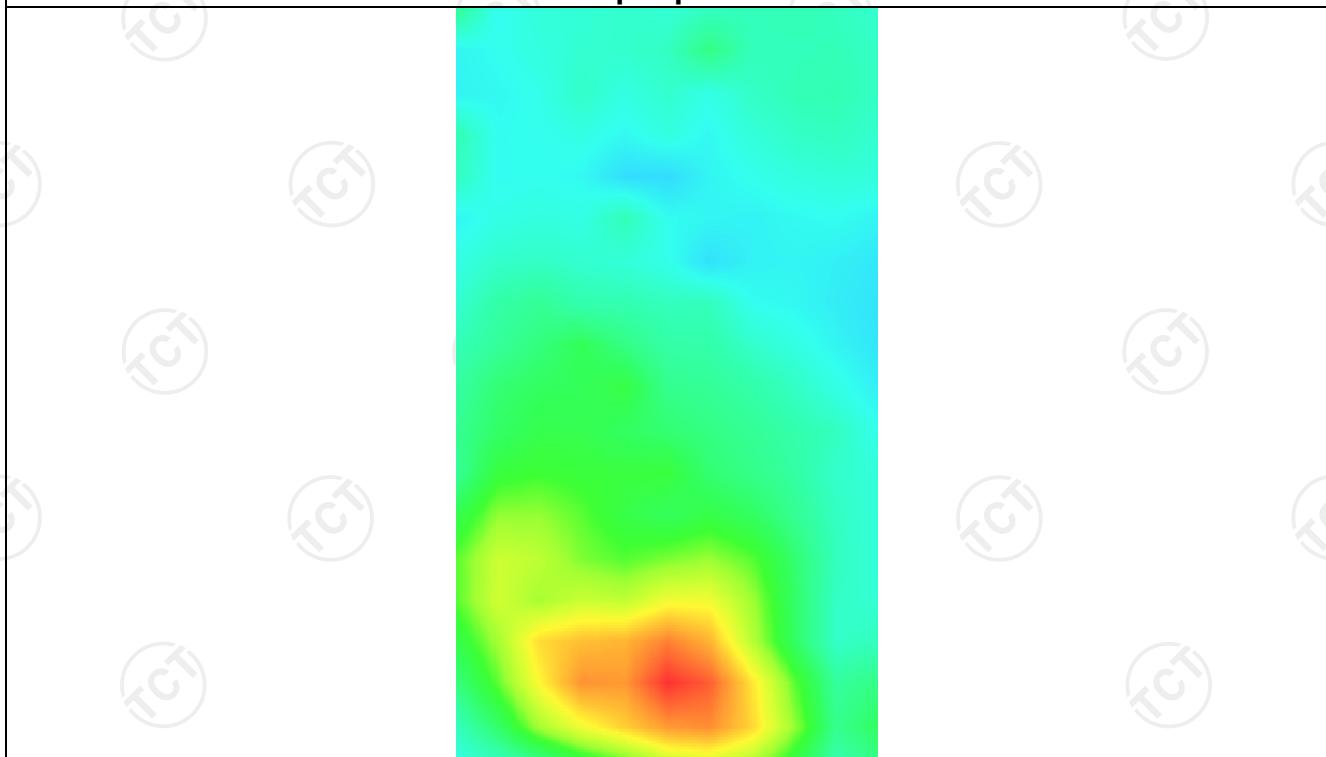
Date: 07/06/2017

Frequency (MHz)	1732.600000
Relative permittivity (real part)	50.741001
Relative permittivity (imaginary part)	14.232400
Conductivity (S/m)	1.486495
Variation (%)	1.410000
Crest Factor	1.0
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(5mm)</u>
Band	<u>BAND1 WCDMA2100</u>
SURFACE SAR	
	

Maximum location: X=1.00, Y=-56.00 SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.117148
SAR 1g (W/Kg)	0.211292



**Hot spot position**

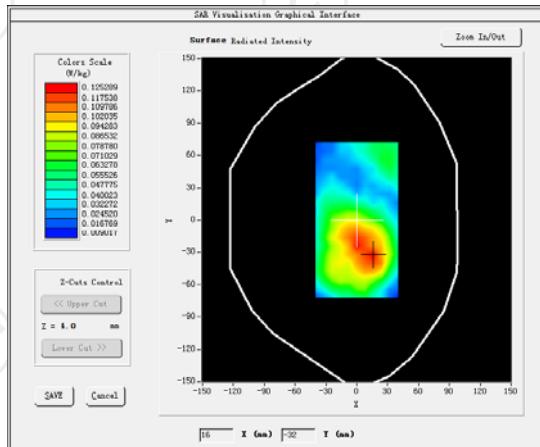
MEASUREMENT 3

Middle Band SAR (Channel 1413):

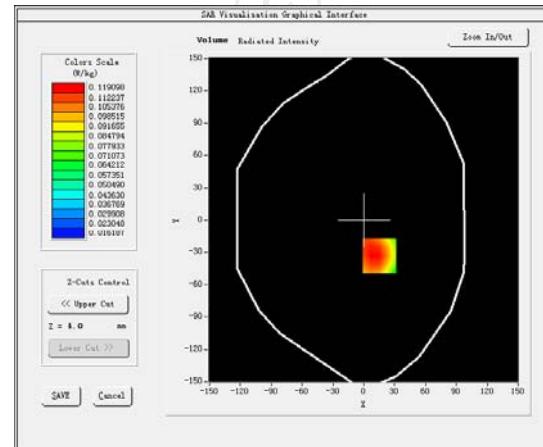
Date: 07/06/2017

Frequency (MHz)	1732.600000
Relative permittivity (real part)	50.741001
Relative permittivity (imaginary part)	14.232400
Conductivity (S/m)	1.486495
Variation (%)	-2.110000
Crest Factor	1.0
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>BAND1 WCDMA2100(hotspot)</u>

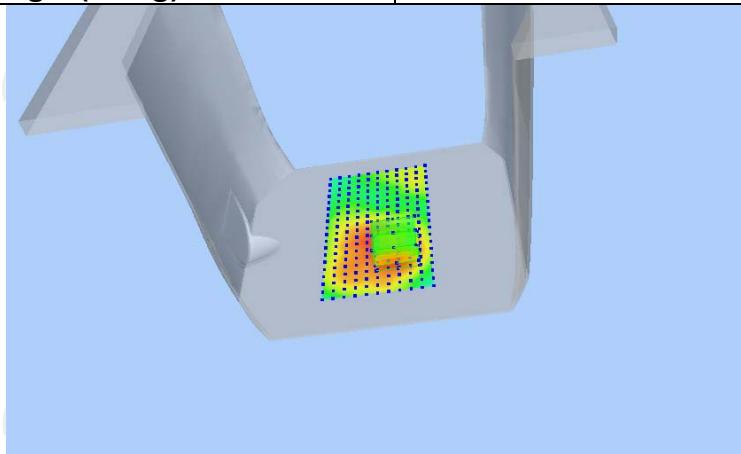
SURFACE SAR



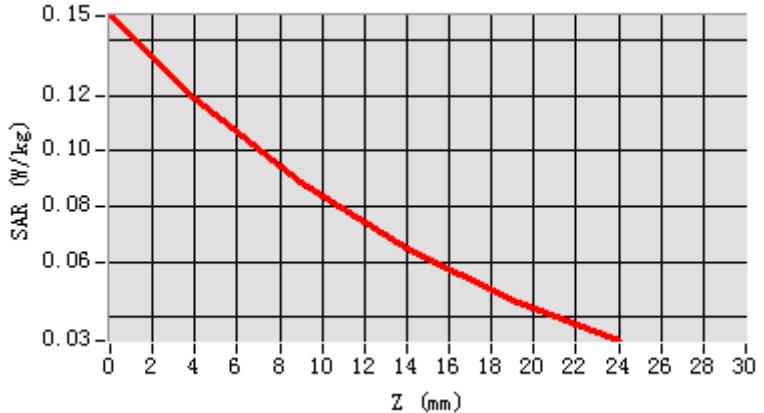
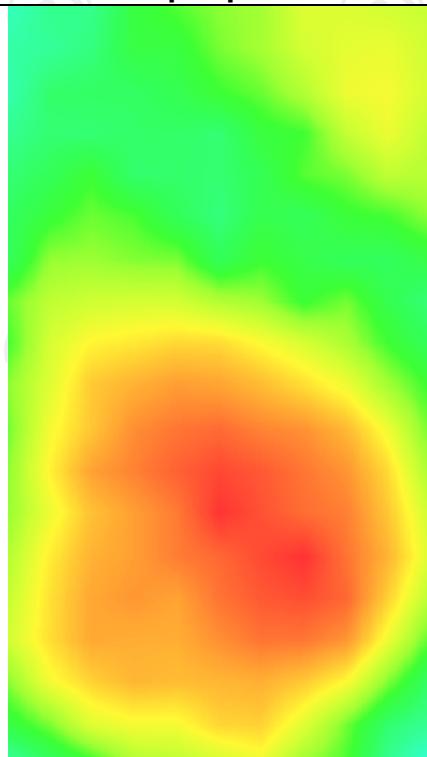
VOLUME SAR


Maximum location: X=15.00, Y=-33.00 SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.080209
SAR 1g (W/Kg)	0.115722



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1486	0.1186	0.0883	0.0646	0.0462

**Hot spot position**

WCDMA Band V

MEASUREMENT 1

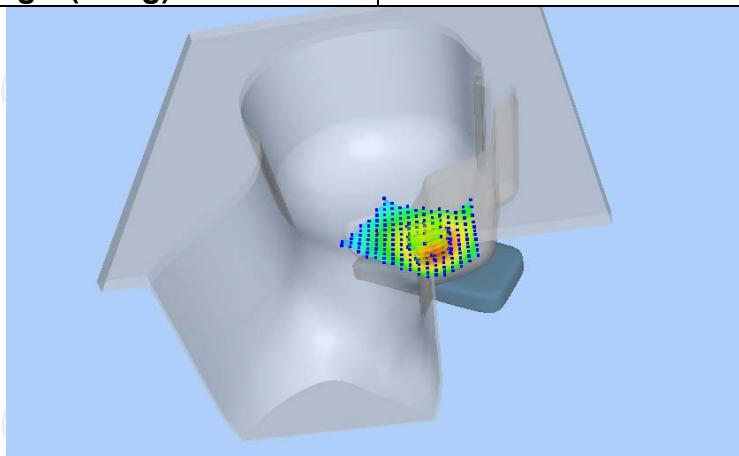
Middle Band SAR (Channel 4182):

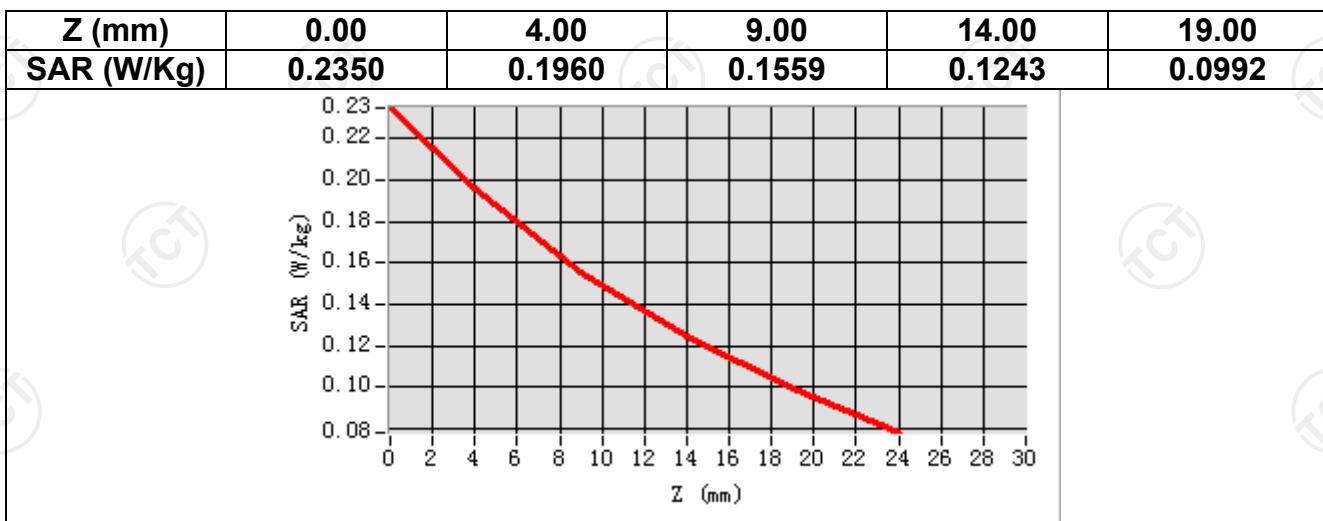
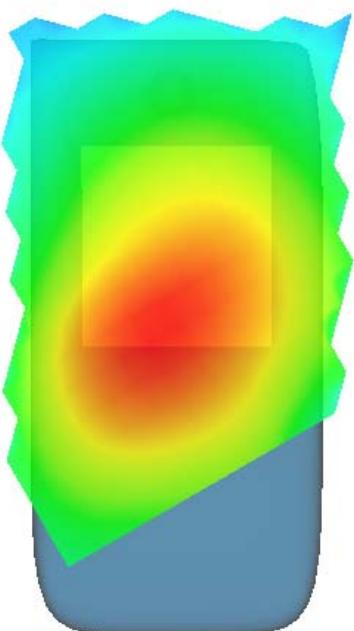
Date: 05/05/2017

Frequency (MHz)	836.600000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	0.660000
Crest Factor:	1.0
Probe Conversion factor	5.50
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>BAND5 WCDMA850</u>
SURFACE SAR	VOLUME SAR

Maximum location: X=-55.00, Y=-37.00 SAR Peak: 0.24 W/kg

SAR 10g (W/Kg)	0.140475
SAR 1g (W/Kg)	0.188721

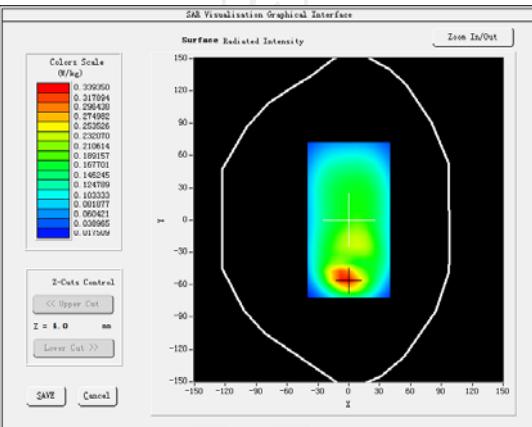
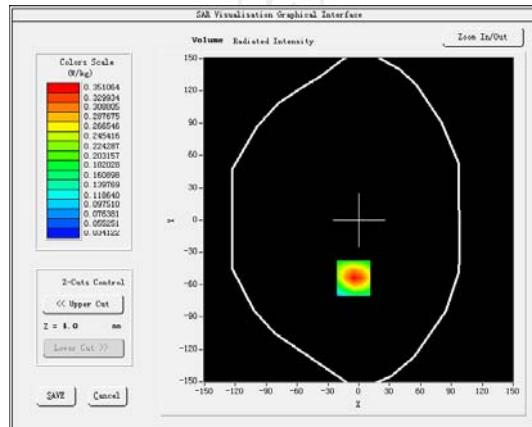


**Hot spot position**

MEASUREMENT 2

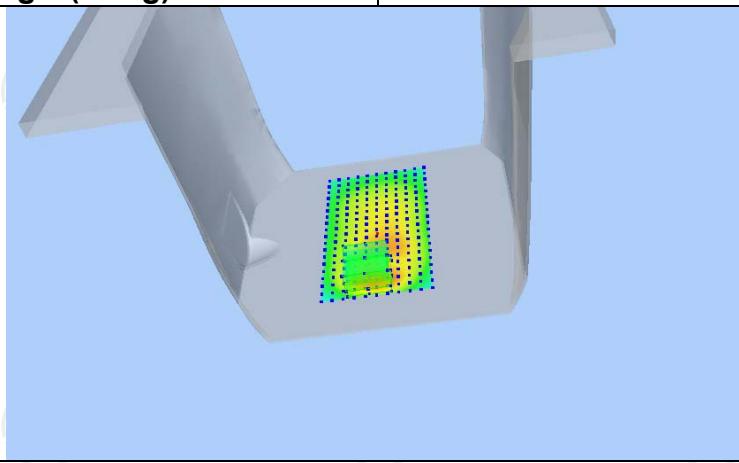
Middle Band SAR (Channel 4182):

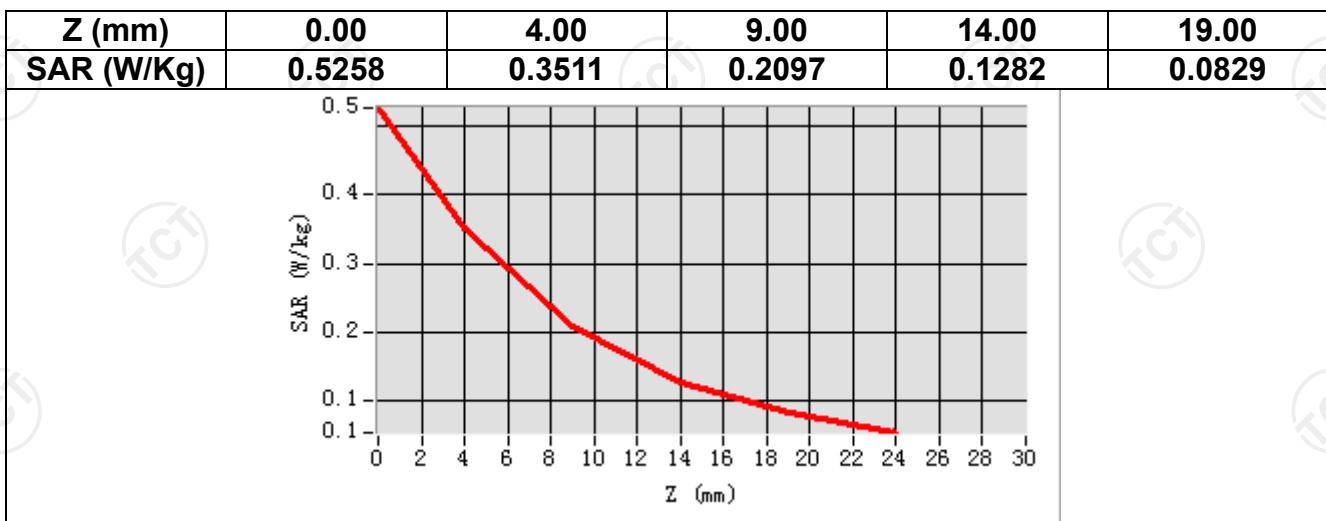
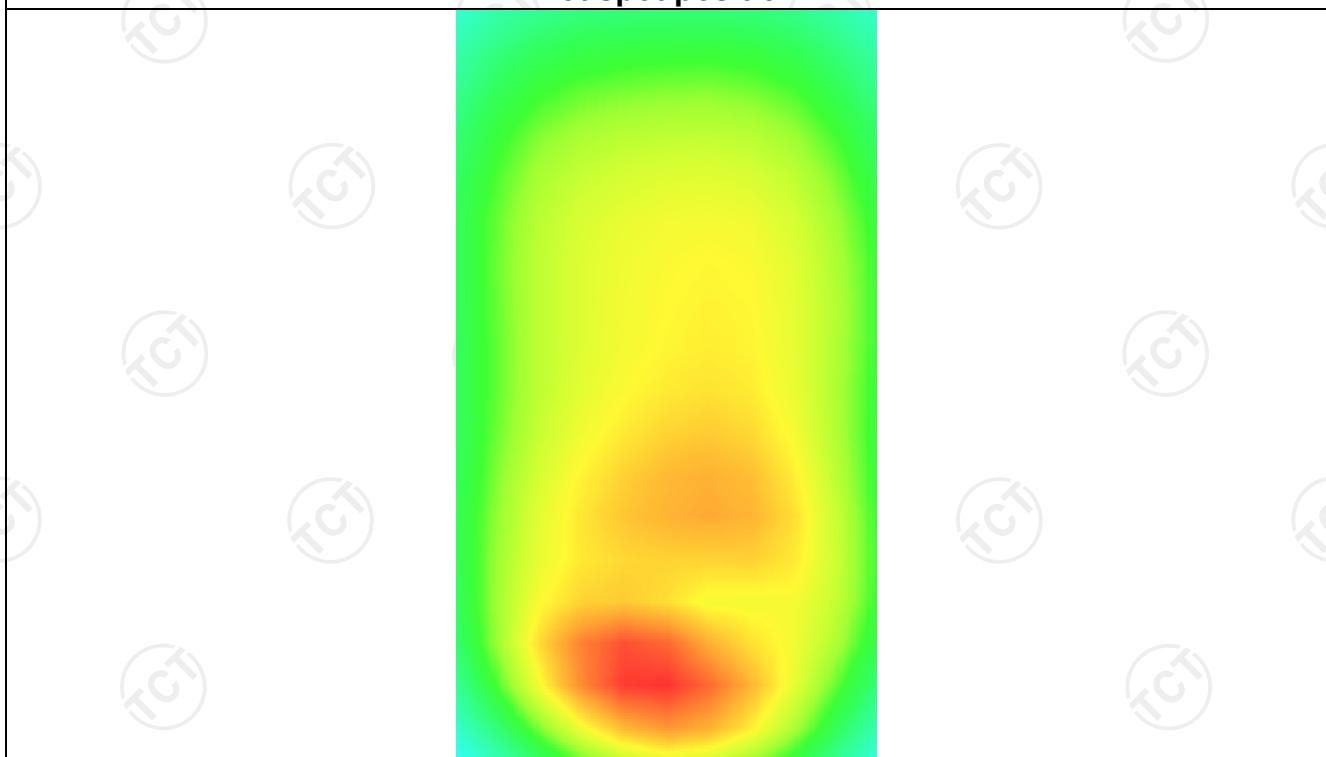
Date: 05/05/2017

Frequency (MHz)	836.400024
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.940253
Variation (%)	0.110000
Crest Factor:	1.0
Probe Conversion factor	5.65
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(5mm)</u>
Band	<u>BAND5 WCDMA850</u>
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-5.00, Y=-54.00 SAR Peak: 0.53 W/kg

SAR 10g (W/Kg)	0.190772
SAR 1g (W/Kg)	0.331372



**Hot spot position**

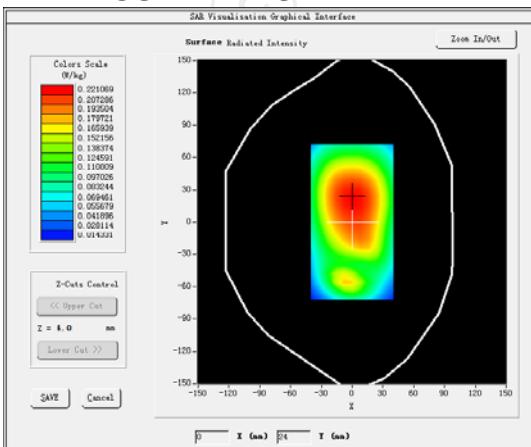
MEASUREMENT 3

Middle Band SAR (Channel 4182):

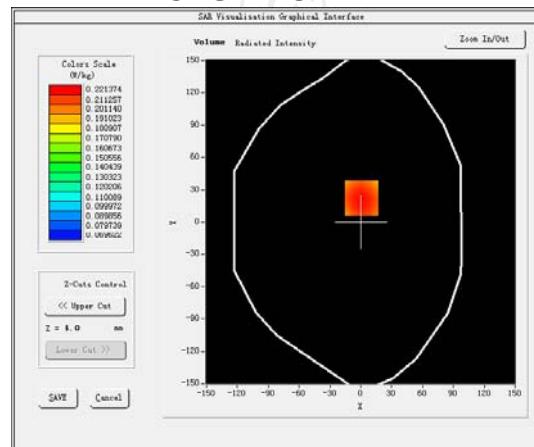
Date: 05/05/2017

Frequency (MHz)	836.400024
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.940253
Variation (%)	0.420000
Crest Factor:	1.0
Probe Conversion factor	5.65
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm,</u> <u>h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>BAND5 WCDMA850(hotspot)</u>

SURFACE SAR

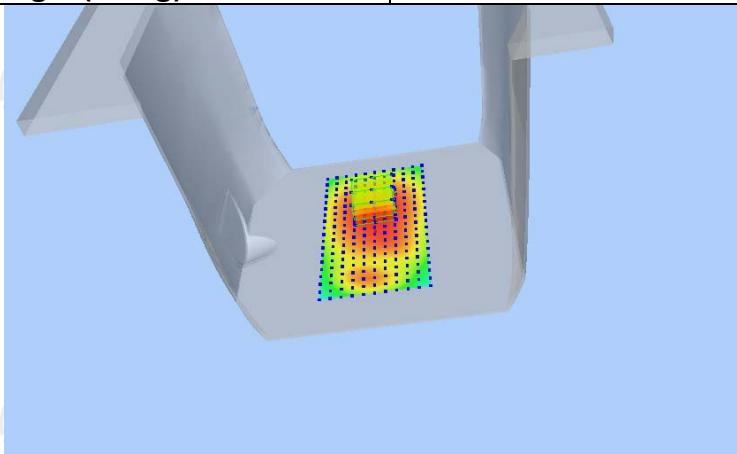


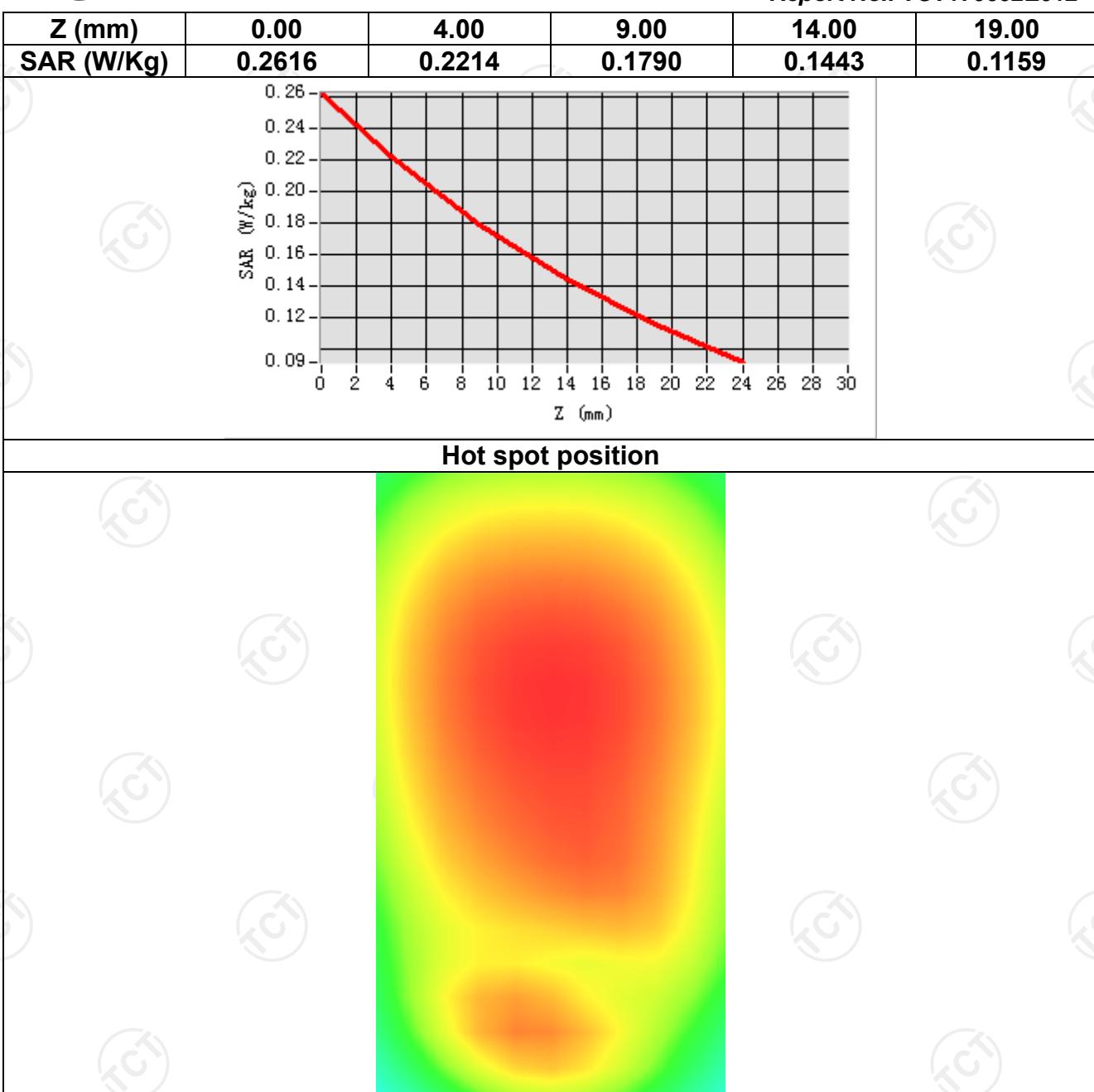
VOLUME SAR



Maximum location: X=1.00, Y=22.00 SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.168199
SAR 1g (W/Kg)	0.216306





LTE Band 2

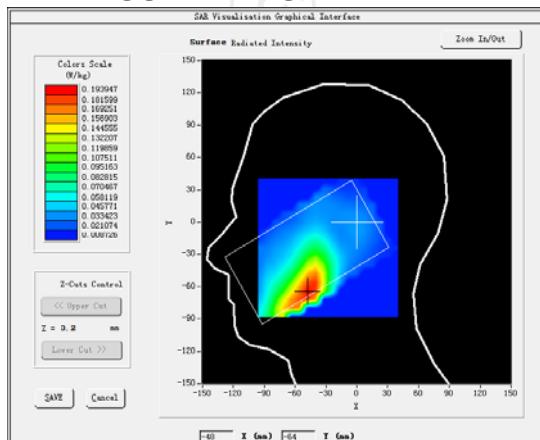
MEASUREMENT 1

Middle Band SAR (Channel 19100):

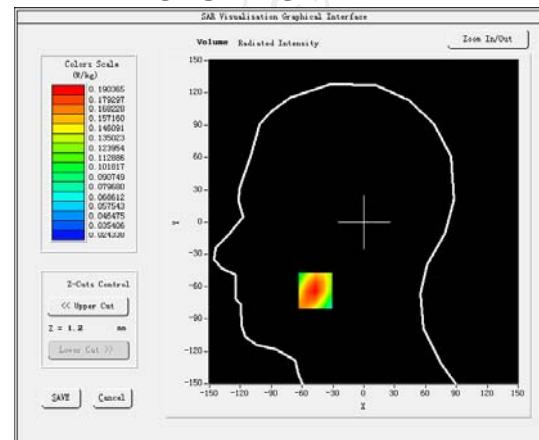
Date: 07/06/2017

Frequency (MHz)	1900.000000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	0.430000
Crest Factor	1.0
Probe Conversion factor	4.85
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Right head</u>
Device Position	<u>Cheek</u>
Band	<u>LTE band 2 (50 RB#25)</u>

SURFACE SAR

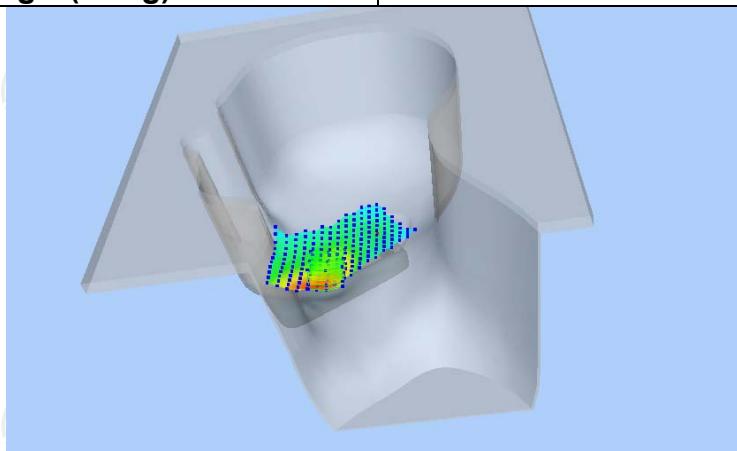


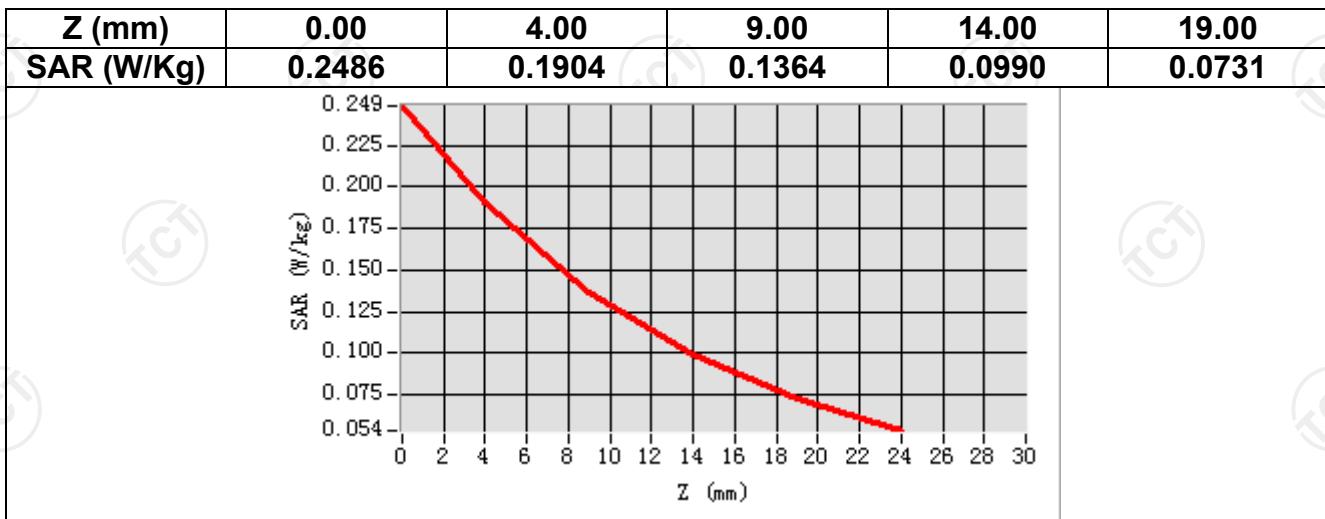
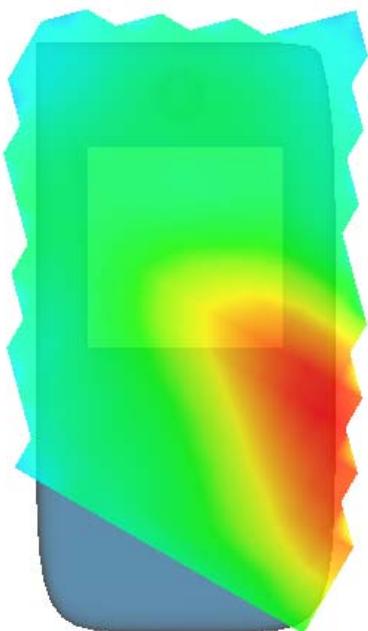
VOLUME SAR



Maximum location: X=-47.00, Y=-64.00 SAR Peak: 0.25 W/kg

SAR 10g (W/Kg)	0.121009
SAR 1g (W/Kg)	0.181344

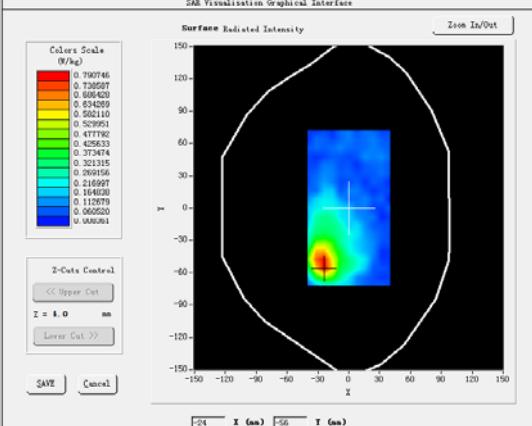
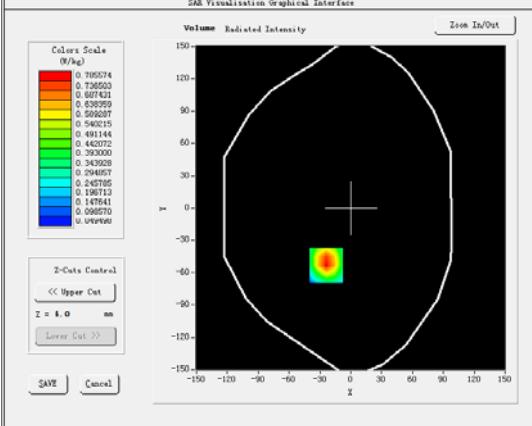


**Hot spot position**

MEASUREMENT 2

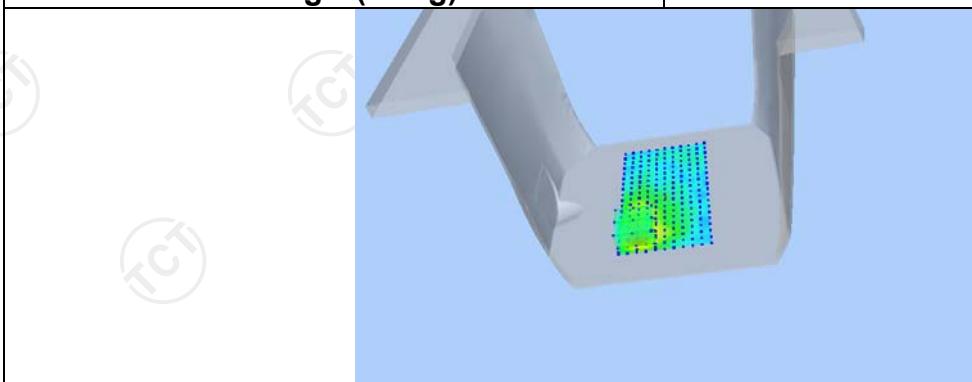
Middle Band SAR (Channel 19100):

Date: 07/07/2017

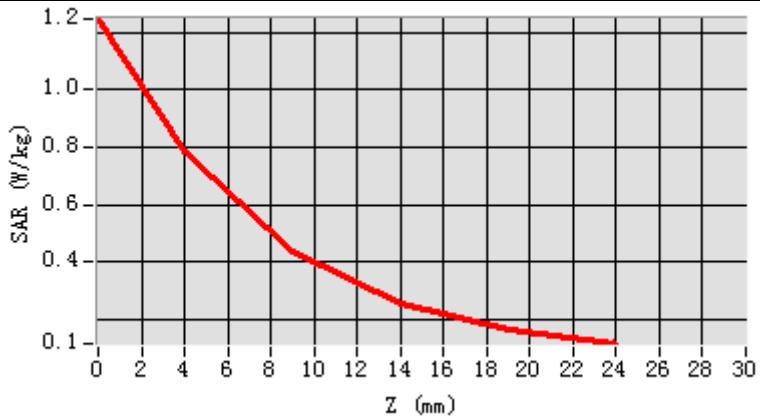
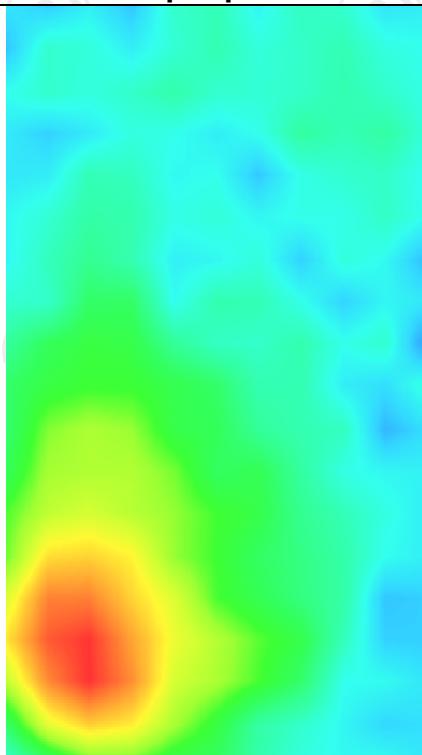
Frequency (MHz)	1900.000000
Relative permittivity (real part)	53.309999
Relative permittivity (imaginary part)	14.329440
Conductivity (S/m)	1.510354
Variation (%)	-4.050000
Crest Factor	1.0
Probe Conversion factor	5.01
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(5mm)</u>
Band	<u>LTE band 2 (50 RB#25)</u>
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-24.00, Y=-53.00 SAR Peak: 1.25 W/kg

SAR 10g (W/Kg)	0.412616
SAR 1g (W/Kg)	0.743271



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.2462	0.7856	0.4360	0.2537	0.1653

**Hot spot position**

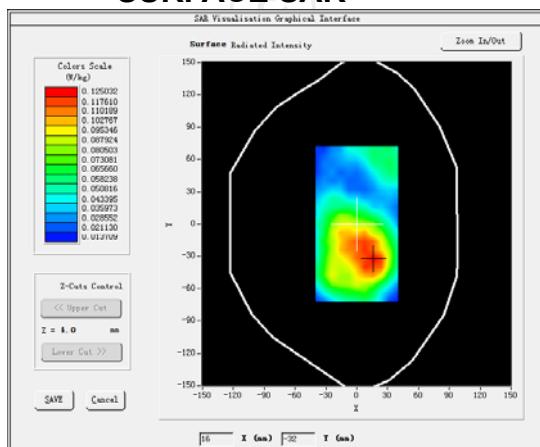
MEASUREMENT 3

Middle Band SAR (Channel 19100):

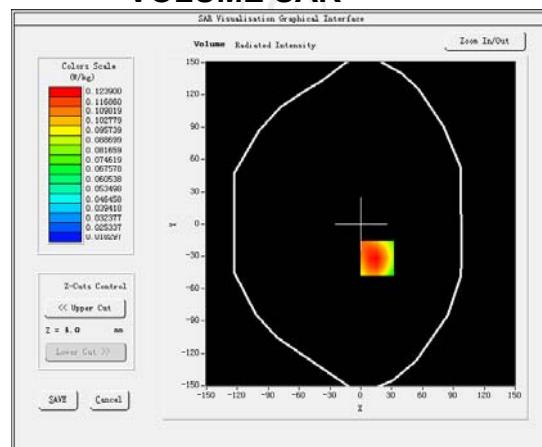
Date: 07/06/2017

Frequency (MHz)	1904.500000
Relative permittivity (real part)	53.309999
Relative permittivity (imaginary part)	14.329440
Conductivity (S/m)	1.510354
Variation (%)	4.540000
Crest Factor	1.0
Probe Conversion factor	5.01
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back (hotspot 10mm)</u>
Band	<u>LTE band 2 (50 RB#25)</u>

SURFACE SAR

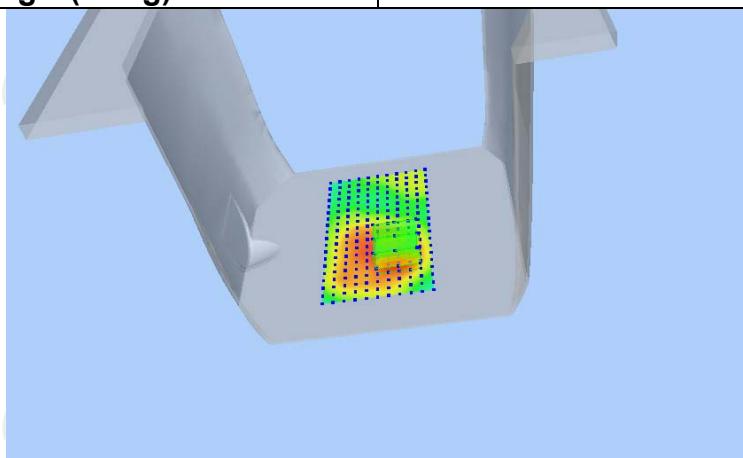


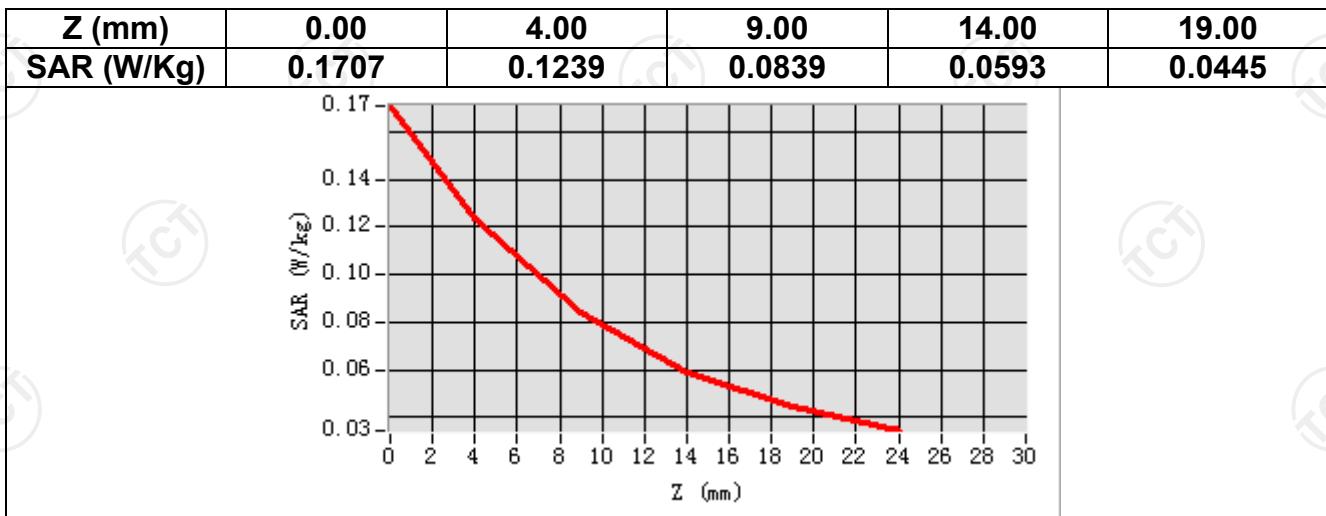
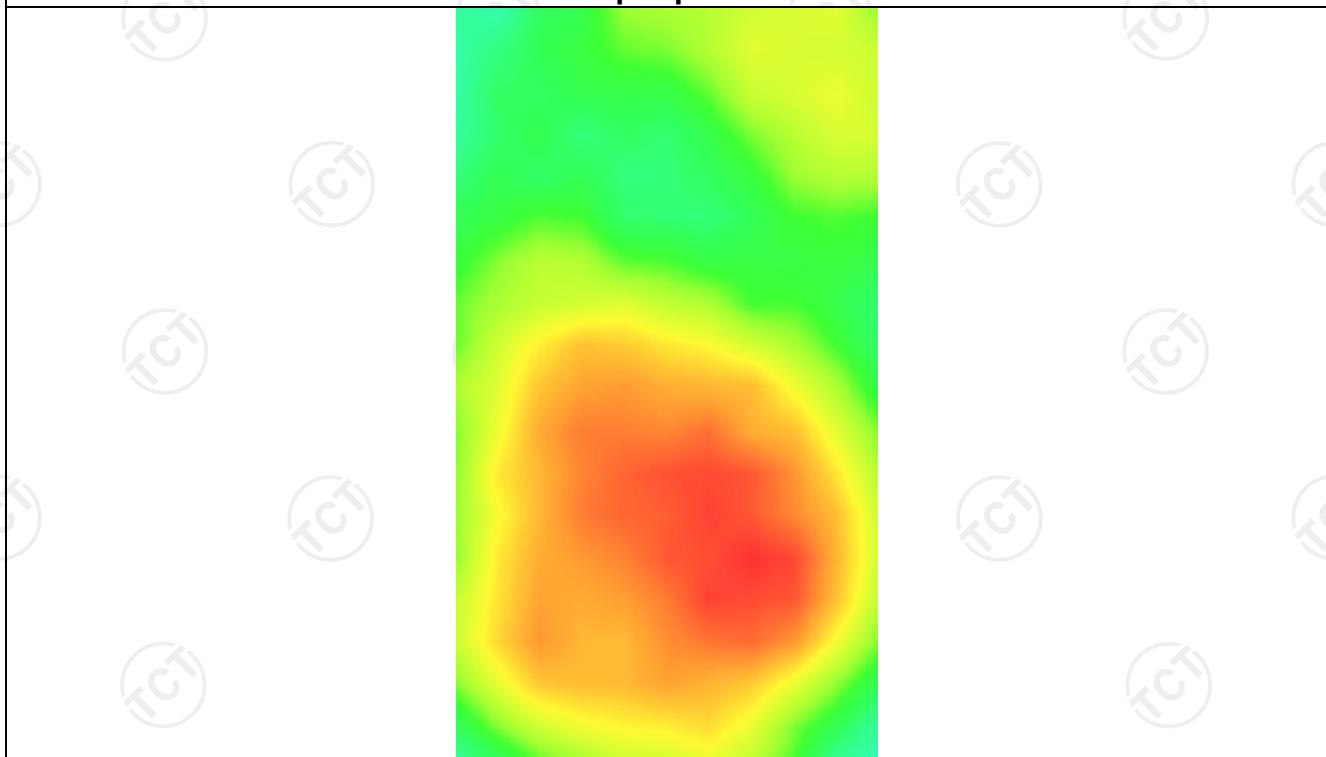
VOLUME SAR



Maximum location: X=16.00, Y=-32.00 SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.079652
SAR 1g (W/Kg)	0.141303



**Hot spot position**

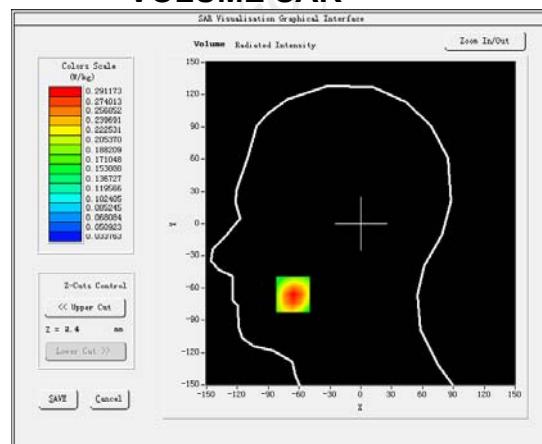
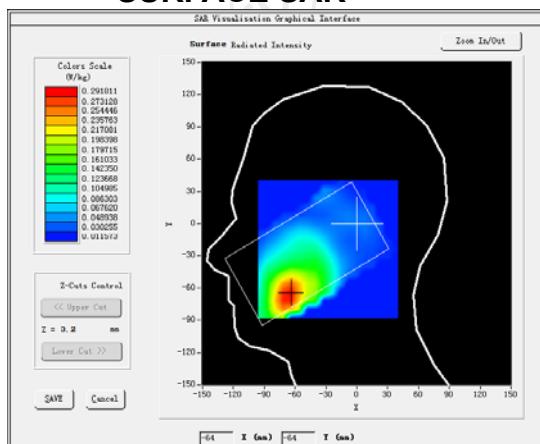
LTE Band 4

MEASUREMENT 1

Lower Band SAR (Channel 20050):

Date: 06/07/2016

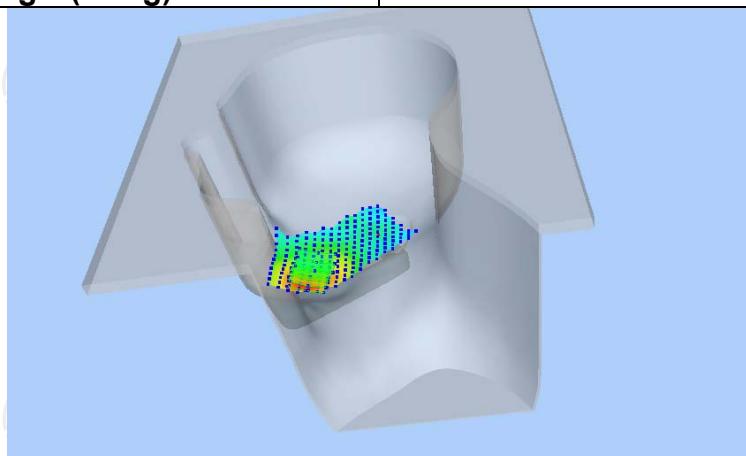
Frequency (MHz)	1720.000000
Relative permittivity (real part)	39.101249
Relative permittivity (imaginary part)	12.468850
Conductivity (S/m)	1.350792
Variation (%)	1.360000
Crest Factor	1.0
Probe Conversion factor	4.38
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Right head</u>
Device Position	<u>Cheek</u>
Band	LTE band 4(50RB#25)
SURFACE SAR	VOLUME SAR

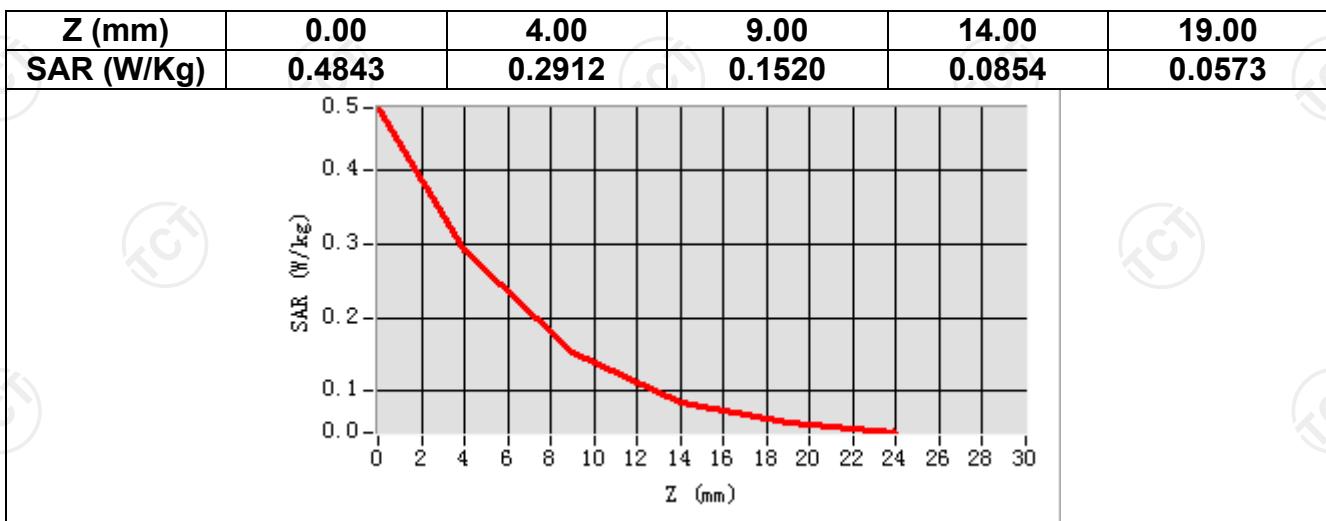
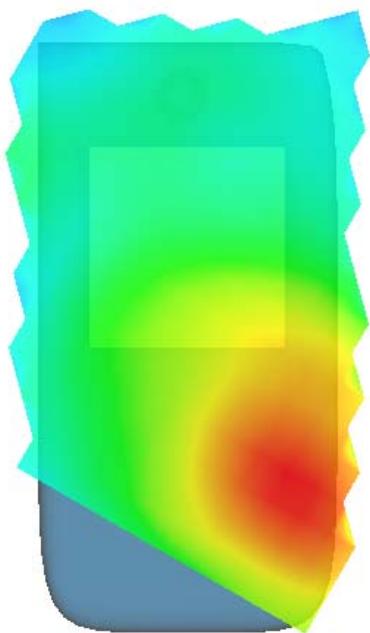


Maximum location: X=-66.00, Y=-66.00 SAR Peak: 0.49 W/kg

SAR 10g (W/Kg) 0.160885

SAR 1g (W/Kg) 0.278256



**Hot spot position**

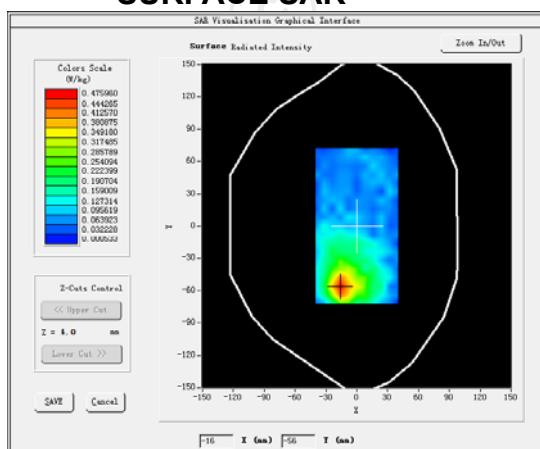
MEASUREMENT 2

Lower Band SAR (Channel 20050):

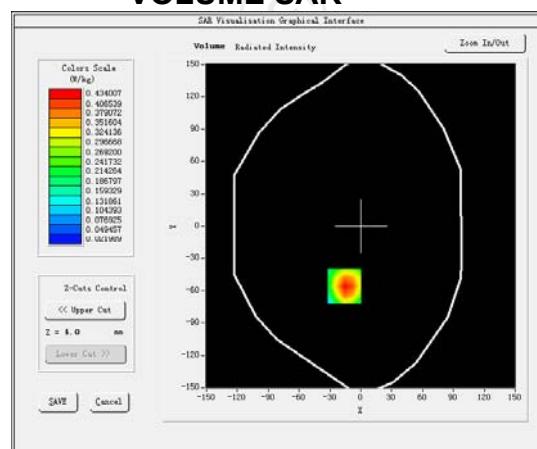
Date: 06/07/2017

Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.321249
Relative permittivity (imaginary part)	12.468850
Conductivity (S/m)	1.502592
Variation (%)	-2.820000
Crest Factor	1.0
Probe Conversion factor	4.52
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(5mm)</u>
Band	<u>LTE band 4(50RB#25)</u>

SURFACE SAR

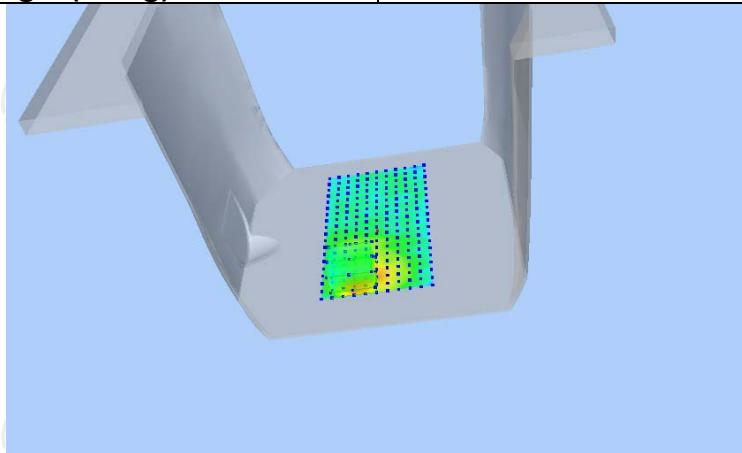


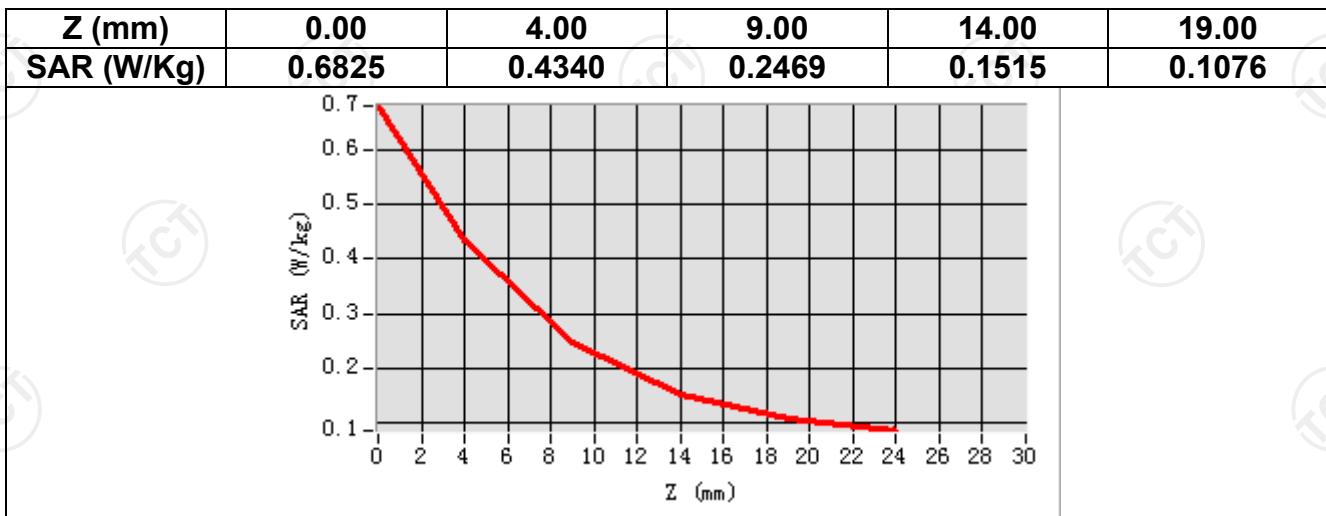
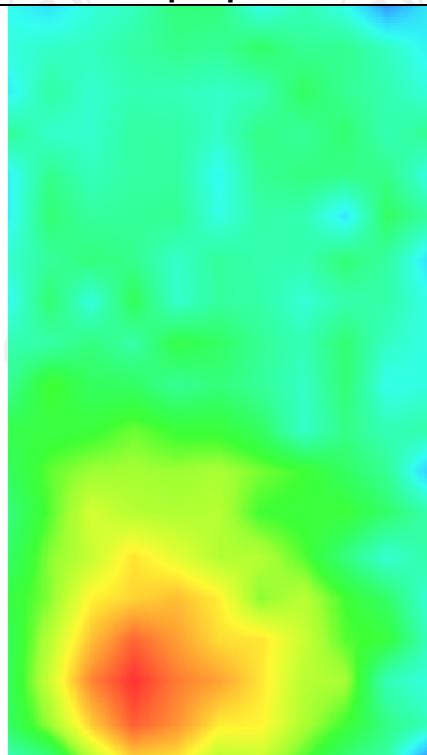
VOLUME SAR



Maximum location: X=-16.00, Y=-56.00 SAR Peak: 0.68 W/kg

SAR 10g (W/Kg)	0.239251
SAR 1g (W/Kg)	0.411845



**Hot spot position**

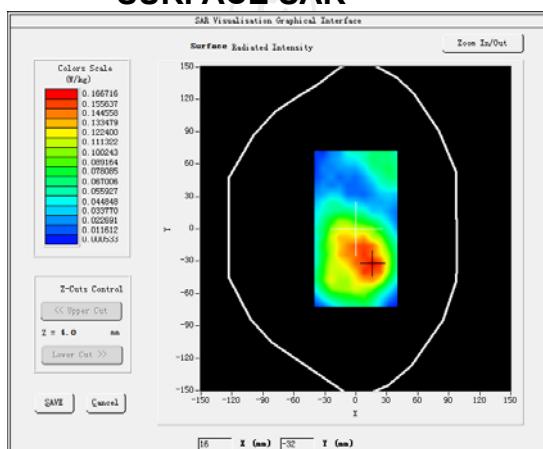
MEASUREMENT 3

Lower Band SAR (Channel 20050):

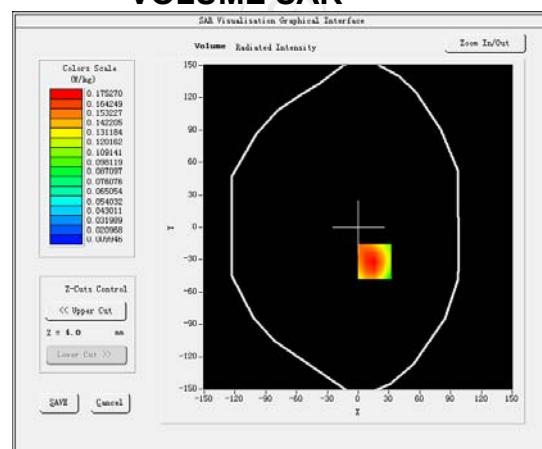
Date: 06/07/2016

Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.321249
Relative permittivity (imaginary part)	12.468850
Conductivity (S/m)	1.502592
Variation (%)	2.620000
Crest Factor	1.0
Probe Conversion factor	4.52
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back (hotspot 10mm)</u>
Band	<u>LTE band 4(50RB)</u>

SURFACE SAR

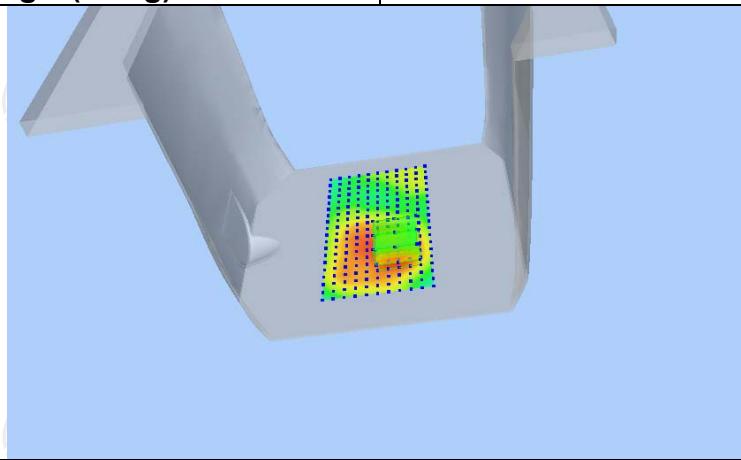


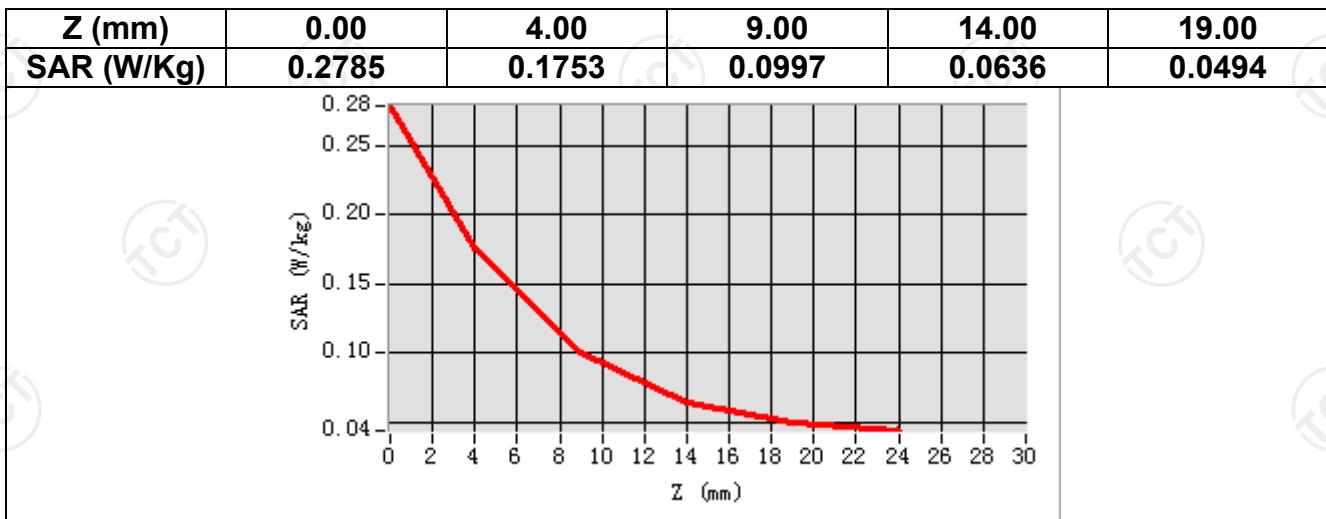
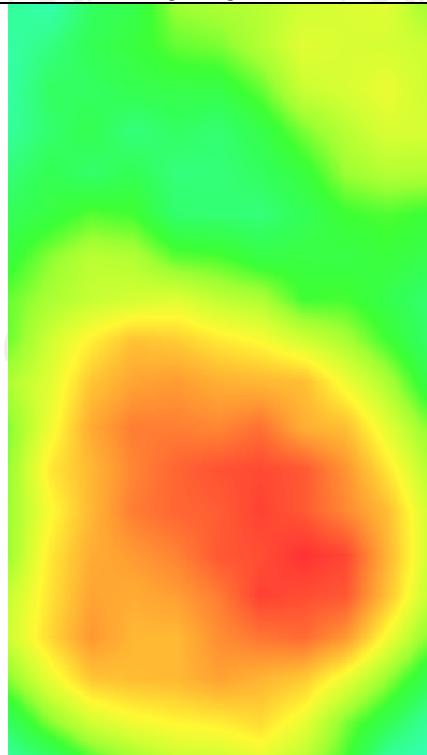
VOLUME SAR



Maximum location: X=16.00, Y=-32.00 SAR Peak: 0.31 W/kg

SAR 10g (W/Kg)	0.095847
SAR 1g (W/Kg)	0.170227



**Hot spot position**

WLAN 2.4

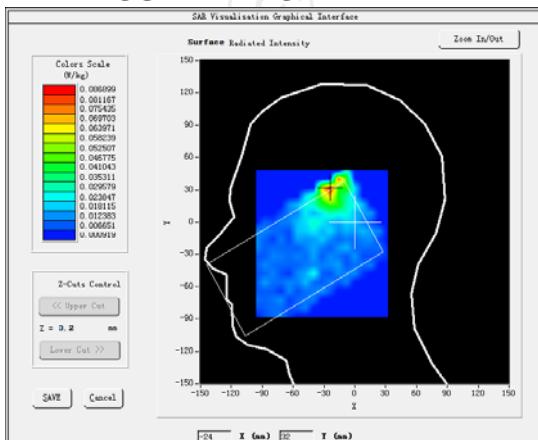
MEASUREMENT 1

Middle Band SAR (Channel 6):

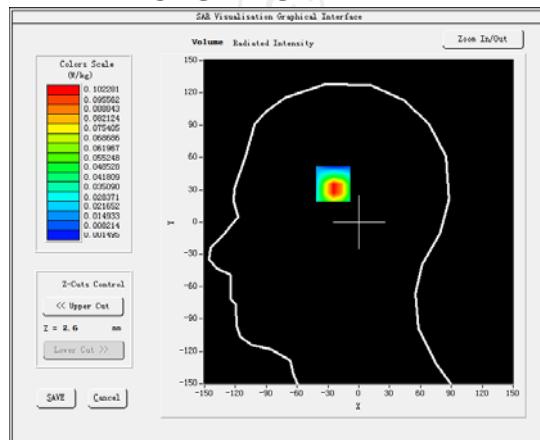
Date: 08/06/2017

Frequency (MHz)	2437.000000
Relative permittivity (real part)	37.851613
Relative permittivity (imaginary part)	13.546980
Conductivity (S/m)	1.814111
Variation (%)	4.520000
Crest Factor	1.0
Probe Conversion factor	4.58
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	<u>Right head</u>
Device Position	<u>Cheek</u>
Band	<u>IEEE 802.11b ISM</u>

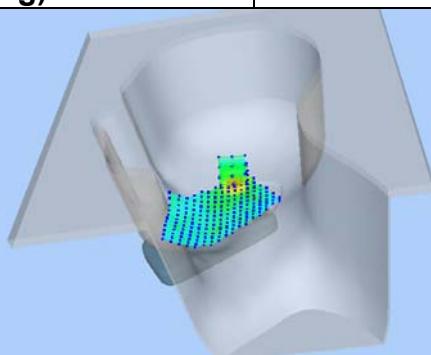
SURFACE SAR

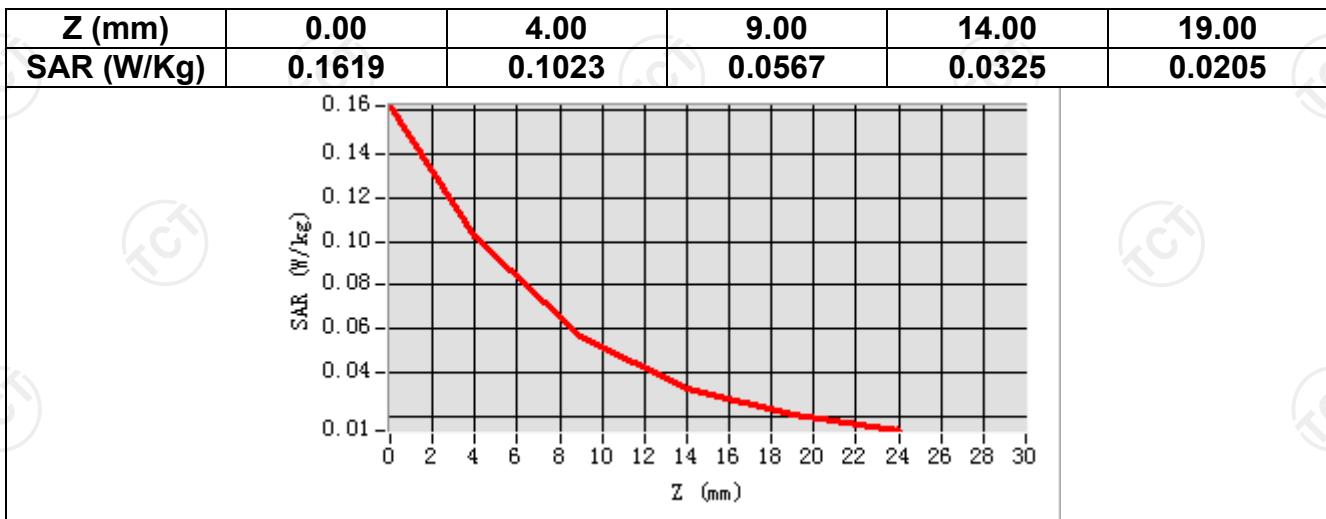
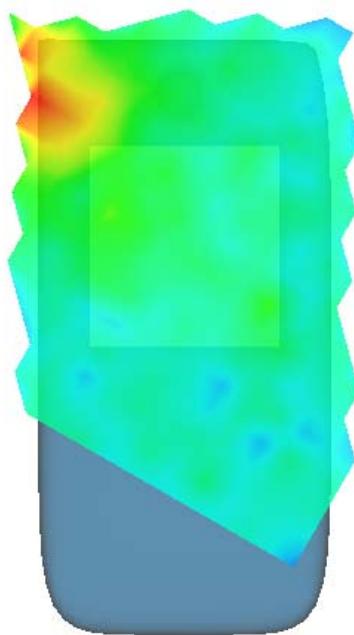


VOLUME SAR


Maximum location: X=-25.00, Y=40.00 SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.051603
SAR 1g (W/Kg)	0.104020



**Hot spot position**

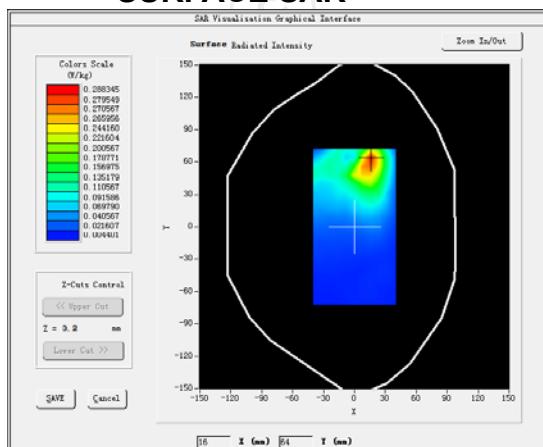
MEASUREMENT 2

Middle Band SAR (Channel 6):

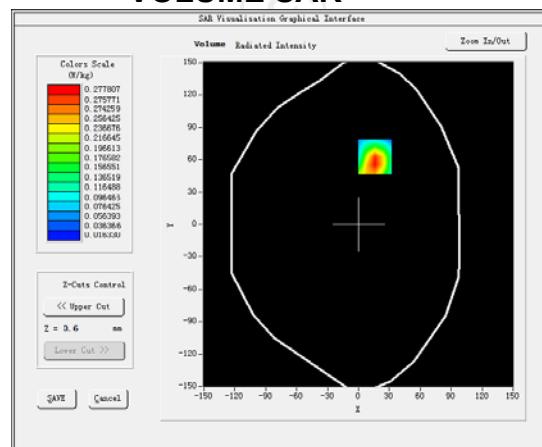
Date: 01/09/2016

Frequency (MHz)	243700000
Relative permittivity (real part)	54.630667
Relative permittivity (imaginary part)	14.318444
Conductivity (S/m)	1.982536
Variation (%)	-0.560000
Crest Factor	1.0
Probe Conversion factor	4.70
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	Validation plane
Device Position	Body back(5mm)
Band	IEEE 802.11b ISM

SURFACE SAR

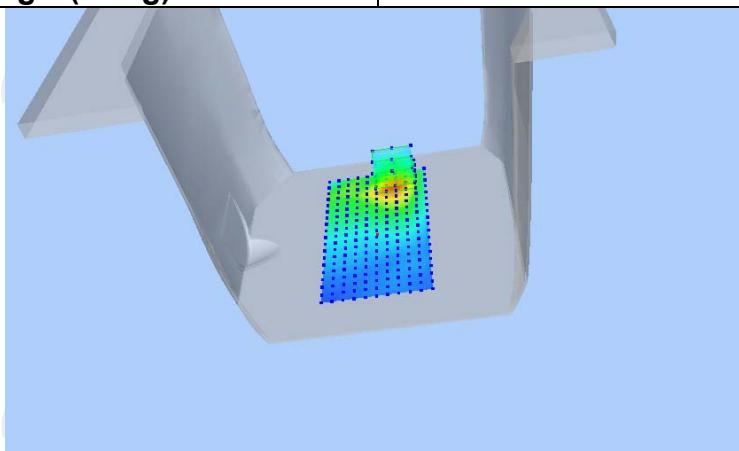


VOLUME SAR



Maximum location: X=16.00, Y=63.00 SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.114444
SAR 1g (W/Kg)	0.140409



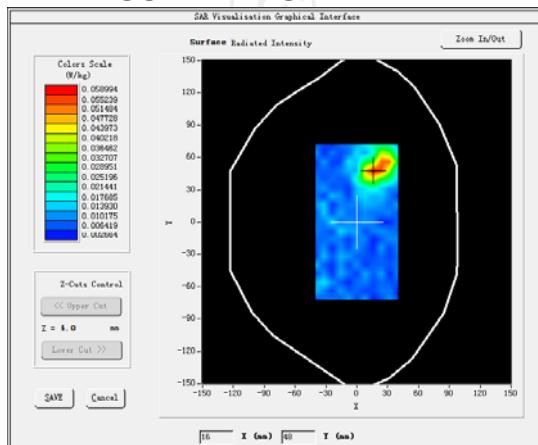
MEASUREMENT 3

Middle Band SAR (Channel 6):

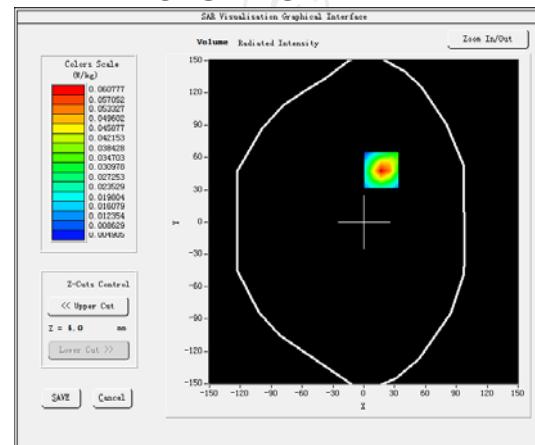
Date: 01/09/2016

Frequency (MHz)	2437.000000
Relative permittivity (real part)	54.630667
Relative permittivity (imaginary part)	14.318444
Conductivity (S/m)	1.982536
Variation (%)	-0.950000
Crest Factor	1.0
Probe Conversion factor	4.70
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm</u>
Phantom	Validation plane
Device Position	Body back(10mm)
Band	IEEE 802.11b ISM

SURFACE SAR

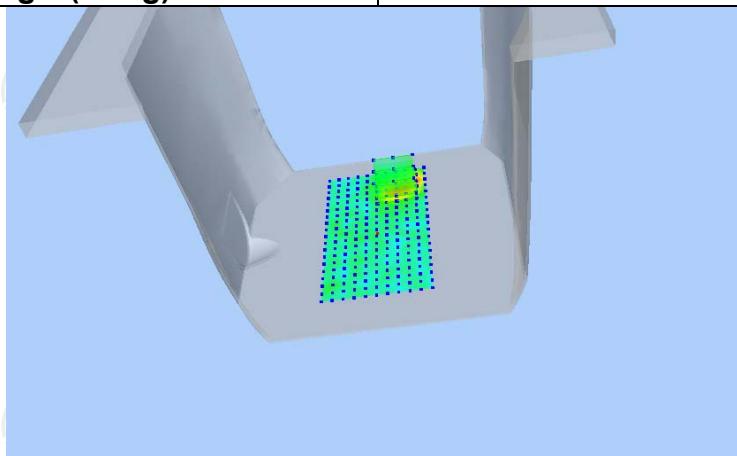


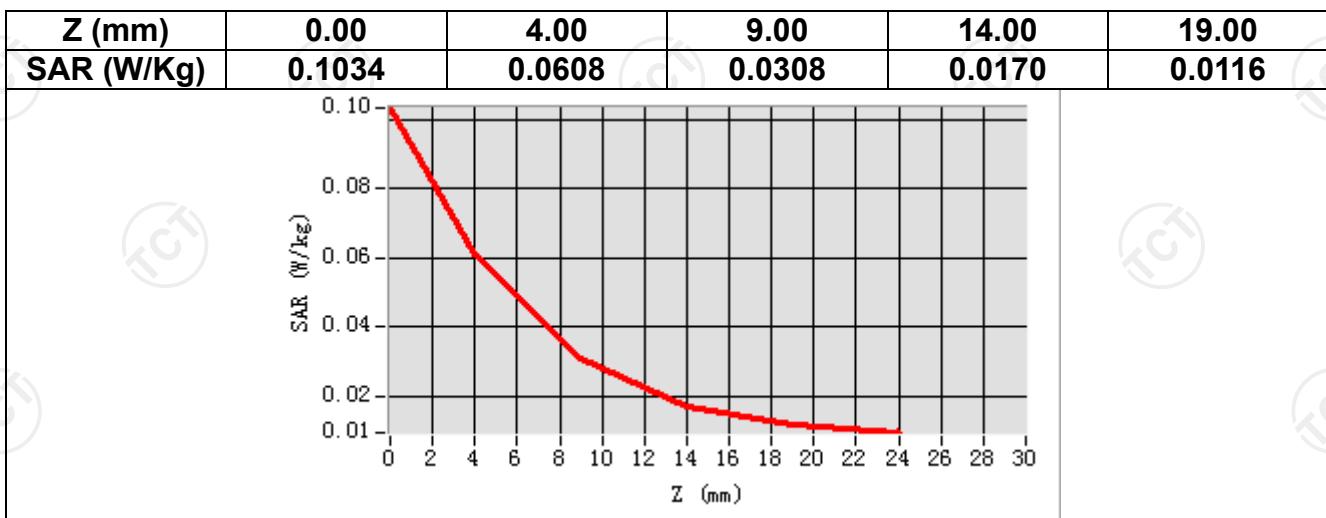
VOLUME SAR



Maximum location: X=17.00, Y=48.00 SAR Peak: 0.10 W/kg

SAR 10g (W/Kg)	0.040642
SAR 1g (W/Kg)	0.078531



**Hot spot position**