

11. System Check Results

Date of measurement: 03/14/2018 Test mode: 835 (Head)

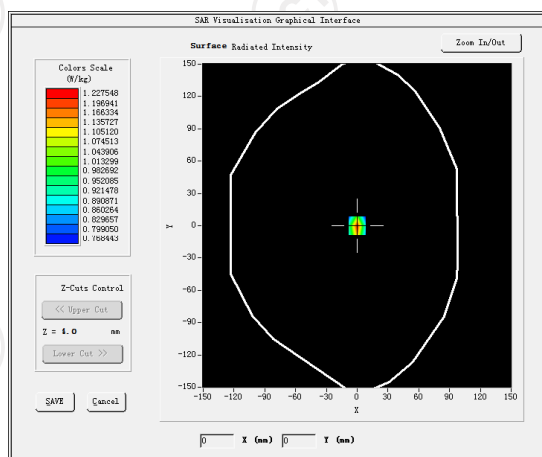
Product Description: Validation

Dipole Model: SID835

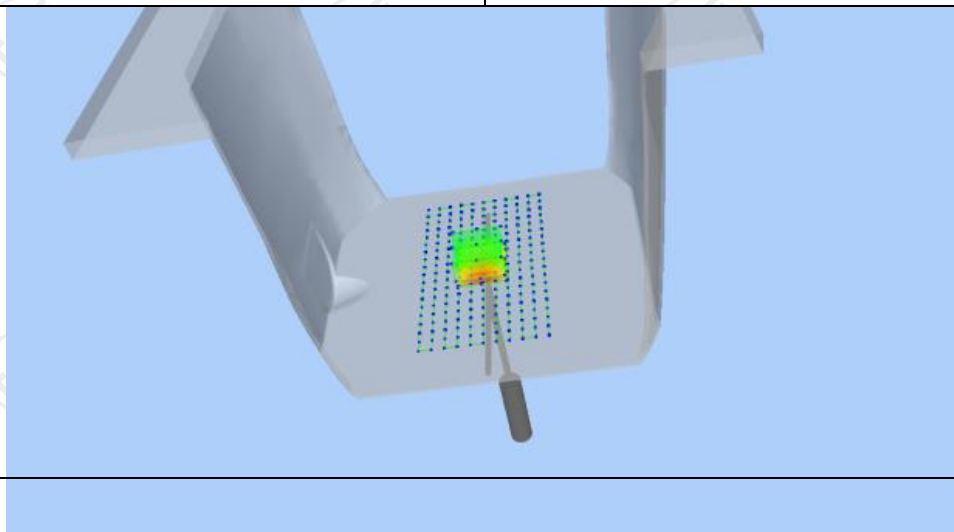
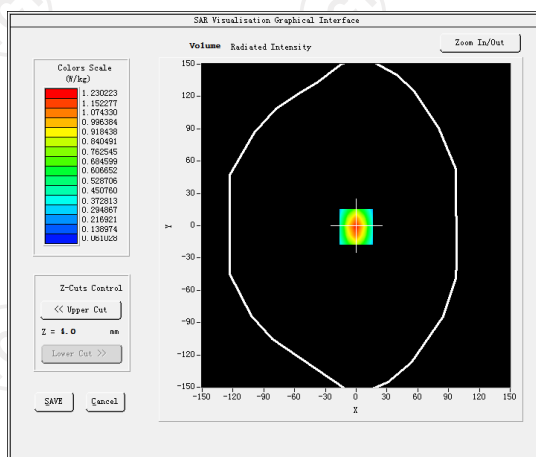
E-Field Probe: SSE5 (SN 07/15 EP248)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	5.05
Frequency (MHz)	835.000000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	-0.090000
SAR 10g (W/Kg)	0.570250
SAR 1g (W/Kg)	0.886135

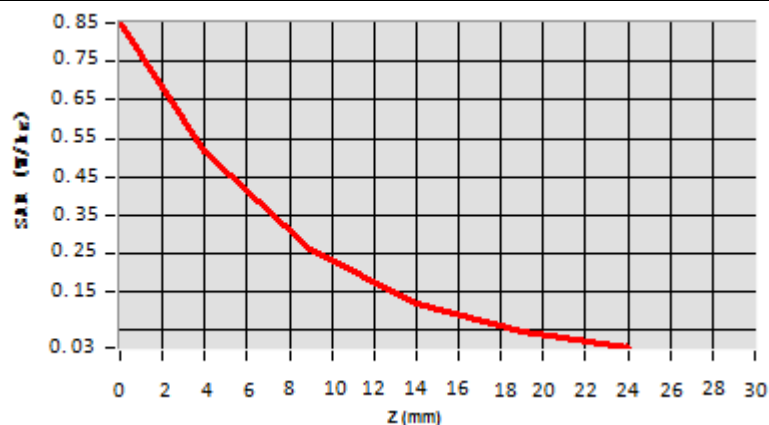
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8625	0.5302	0.2594	0.1302	0.1025



Hot spot position



Date of measurement: 03/14/2018 Test mode: 835 (Body)

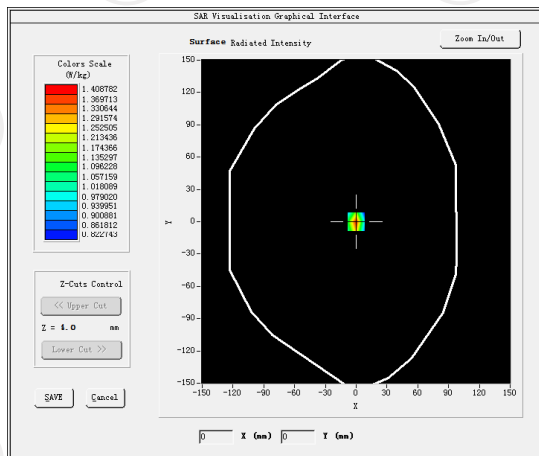
Product Description: Validation

Dipole Model: SID835

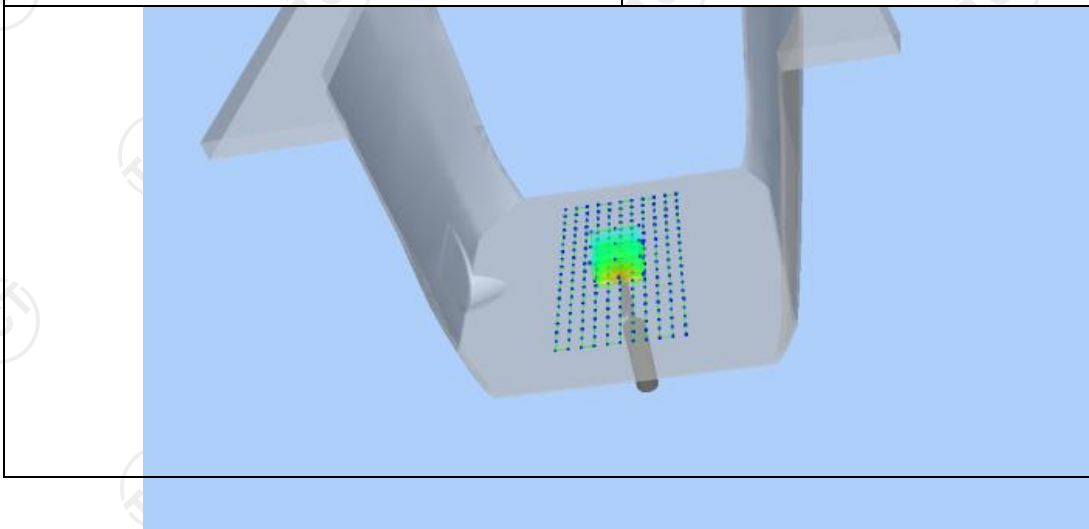
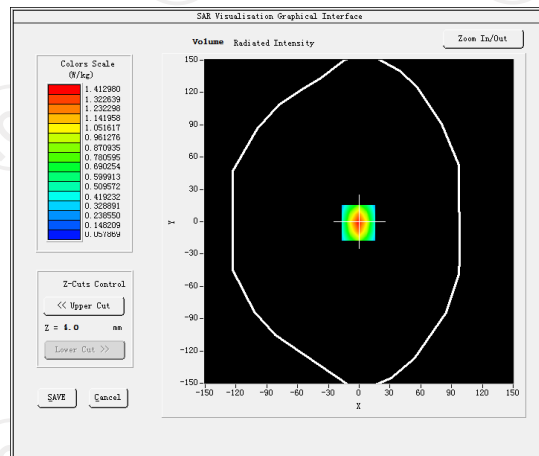
E-Field Probe: SSE5 (SN 07/15 EP248)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	5.22
Frequency (MHz)	835.000000
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.938883
Variation (%)	-0.150000
SAR 10g (W/Kg)	0.633123
SAR 1g (W/Kg)	0.949446

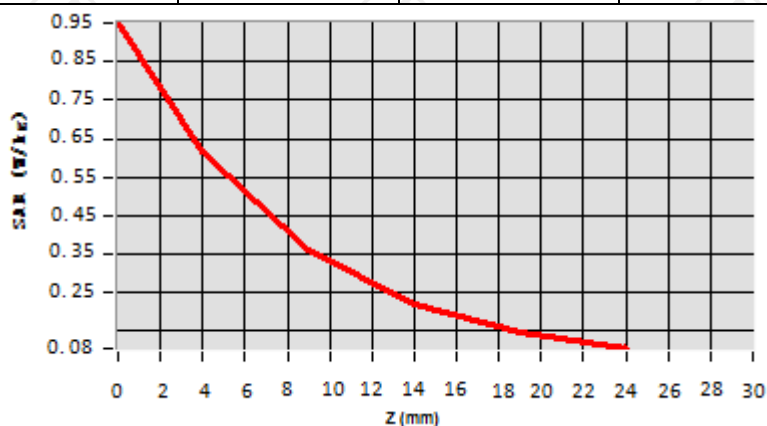
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9625	0.6022	0.3594	0.2202	0.0725



Hot spot position



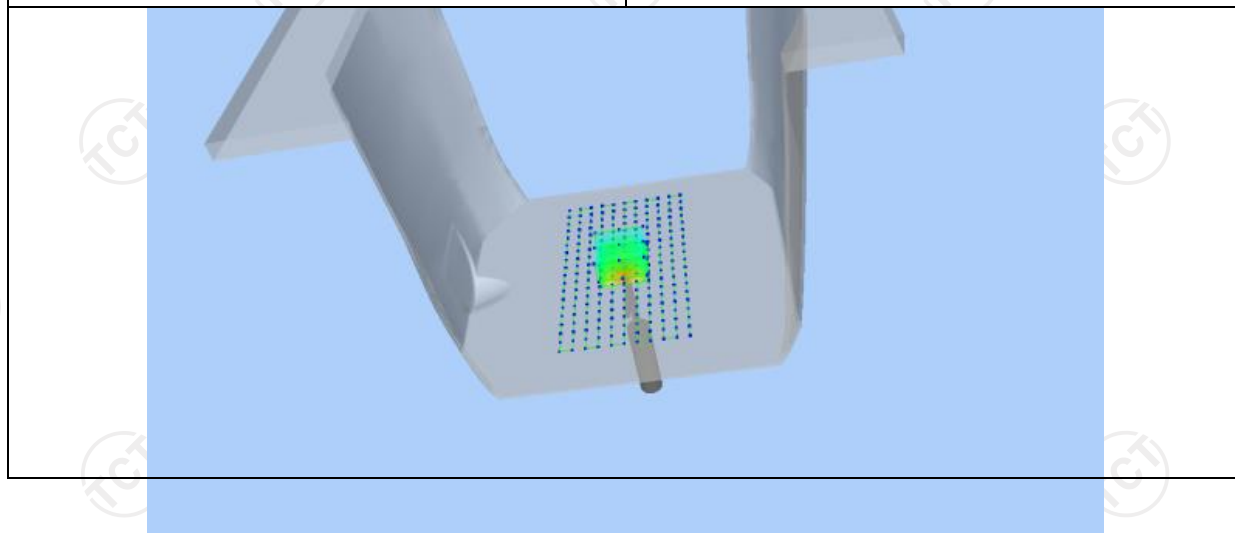
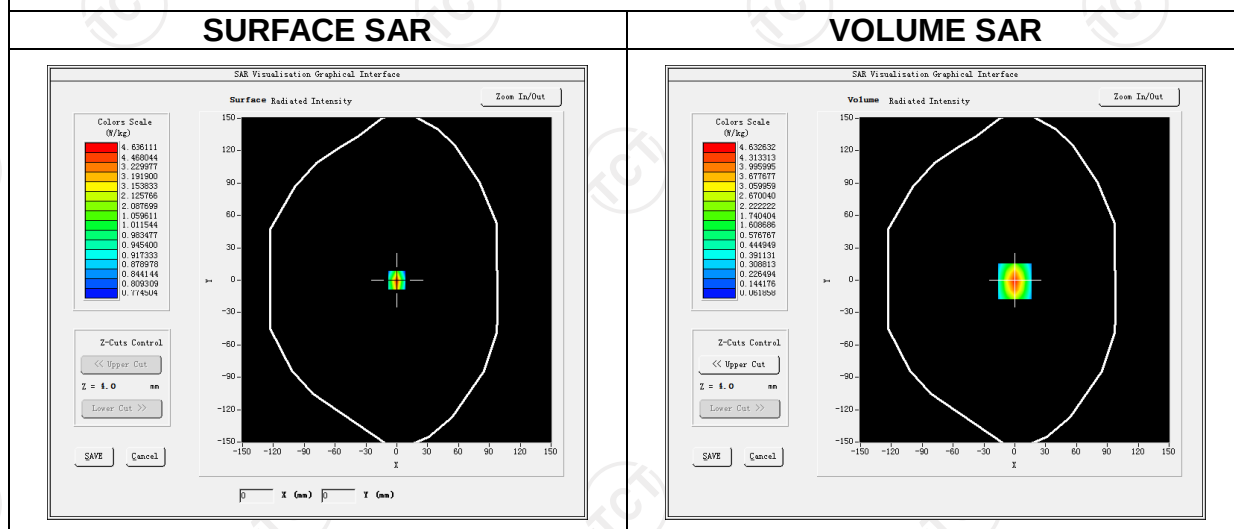
Date of measurement: 03/19/2018 Test mode: 1800MHz (Head)

Product Description: Validation

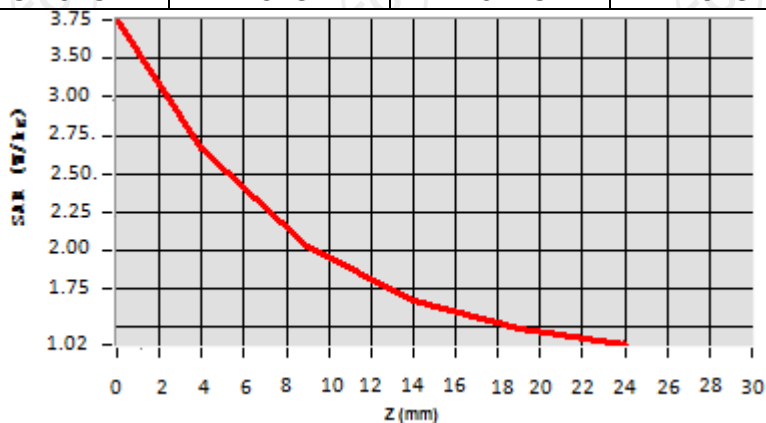
Dipole Model: SID1800

E-Field Probe: SSE5 (SN 07/15 EP248)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	5.05
Frequency (MHz)	1800.000000
Relative permittivity (real part)	39.070000
Relative permittivity (imaginary part)	14.000000
Conductivity (S/m)	1.38000
Variation (%)	1.250000
SAR 10g (W/Kg)	2.201458
SAR 1g (W/Kg)	3.752497



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.7625	2.6254	2.0245	1.6254	1.0214



Hot spot position



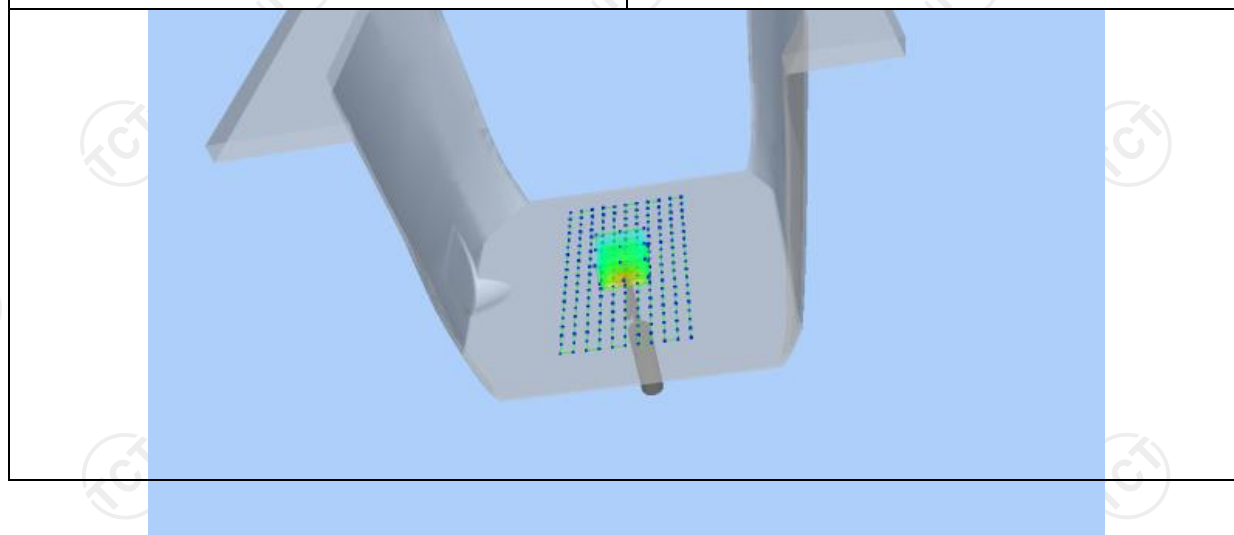
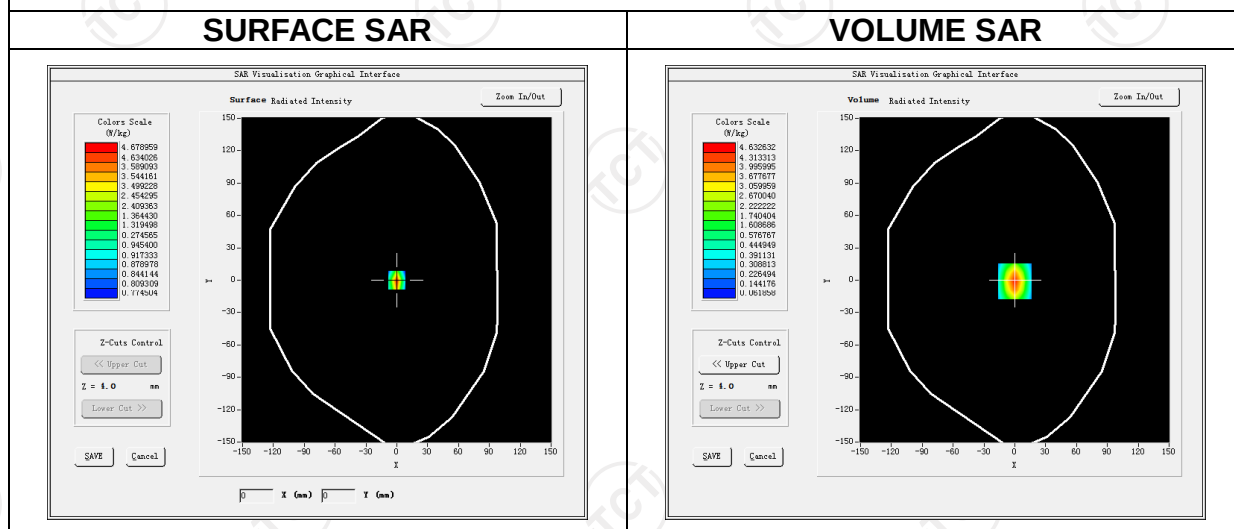
Date of measurement: 03/19/2018 Test mode: 1800MHz (Body)

Product Description: Validation

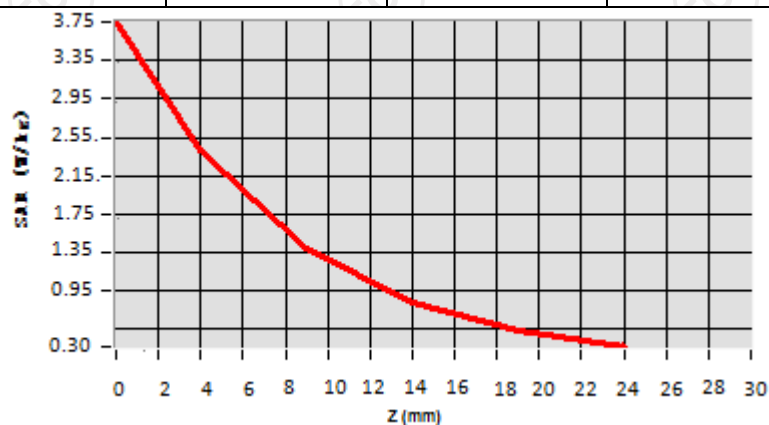
Dipole Model: SID1800

E-Field Probe: SSE5 (SN 07/15 EP248)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	5.05
Frequency (MHz)	1800.000000
Relative permittivity (real part)	53.292699
Relative permittivity (imaginary part)	15.200000
Conductivity (S/m)	1.530000
Variation (%)	3.050000
SAR 10g (W/Kg)	2.053687
SAR 1g (W/Kg)	3.782547



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.7545	2.4524	1.3520	0.8214	0.5525



Hot spot position



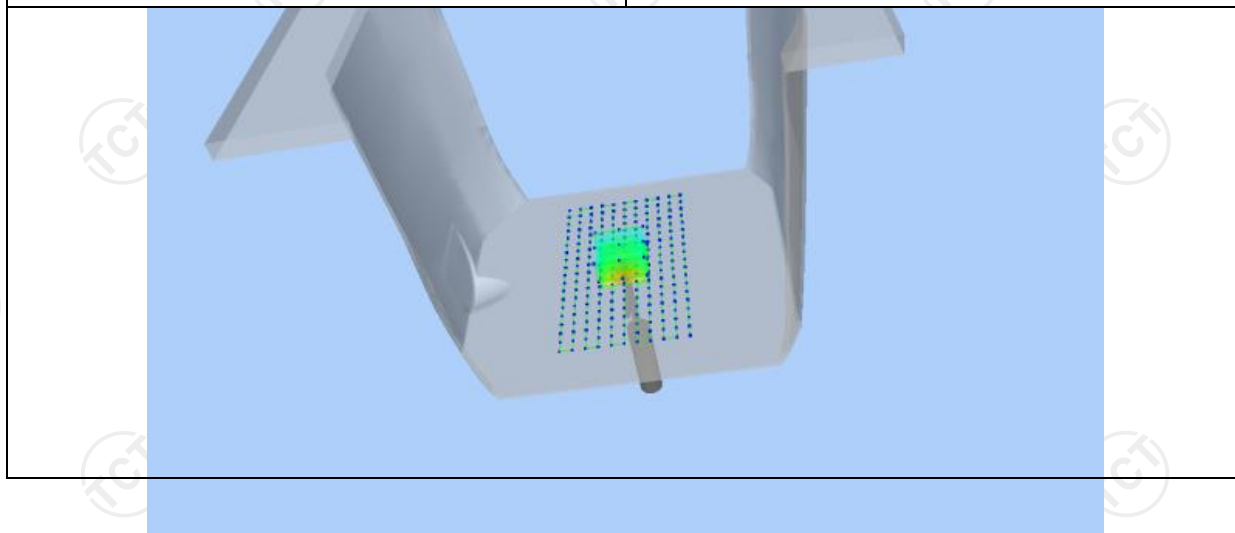
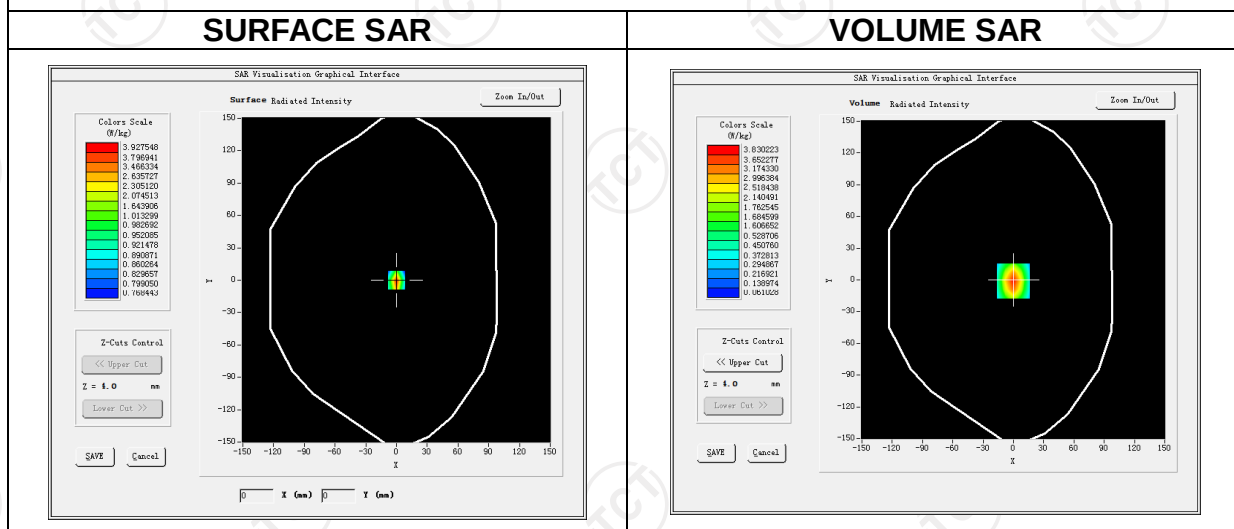
Date of measurement: 03/22/2018 Test mode: 1900MHz (Head)

Product Description: Validation

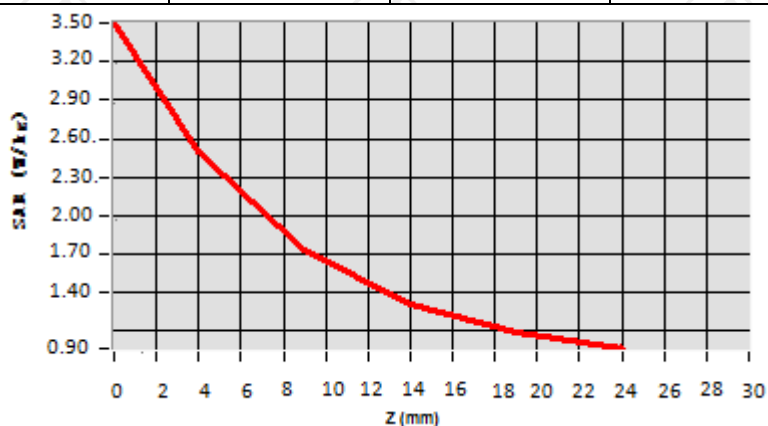
Dipole Model: SID1900

E-Field Probe: SSE5 (SN 07/15 EP248)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	4.86
Frequency (MHz)	1900.000000
Relative permittivity (real part)	39.076721
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.367609
Variation (%)	-0.910000
SAR 10g (W/Kg)	1.899324
SAR 1g (W/Kg)	3.576354



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.5325	2.5687	1.7025	1.3025	0.1125



Hot spot position



Date of measurement: 03/22/2018 Test mode: 1900MHz (Body)

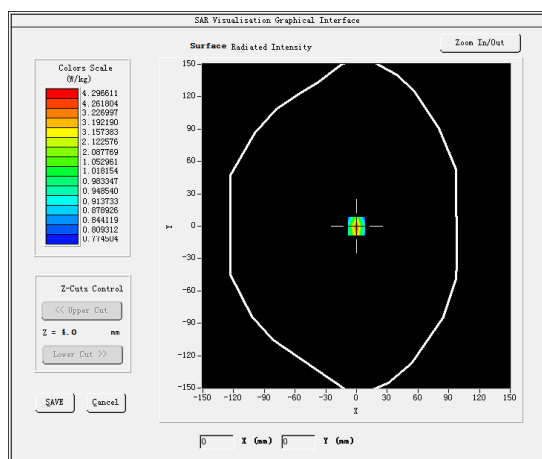
Product Description: Validation

Dipole Model: SID1900

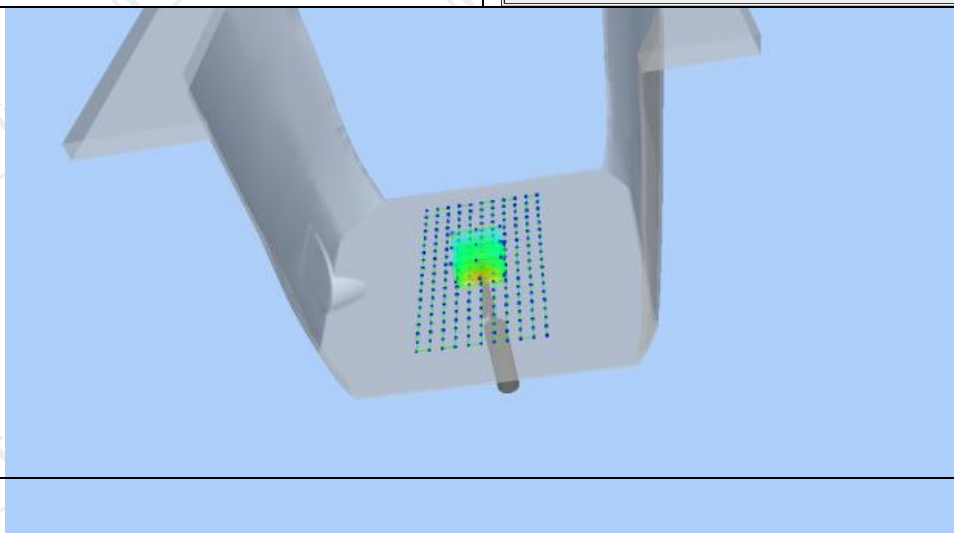
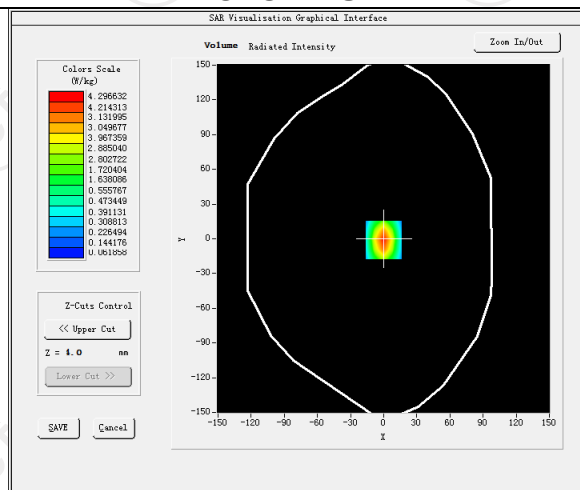
E-Field Probe: SSE5 (SN 07/15 EP248)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	5.05
Frequency (MHz)	1900.000000
Relative permittivity (real part)	53.309999
Relative permittivity (imaginary part)	14.329440
Conductivity (S/m)	1.510354
Variation (%)	1.250000
SAR 10g (W/Kg)	1.994255
SAR 1g (W/Kg)	3.766112

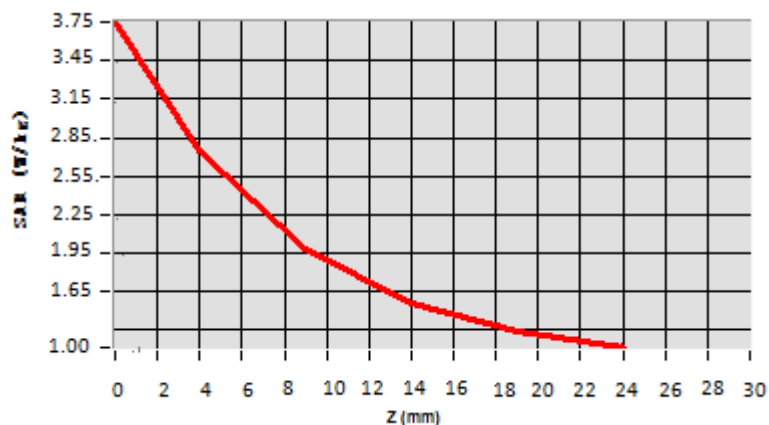
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.7752	2.7154	1.9525	1.5694	0.9014



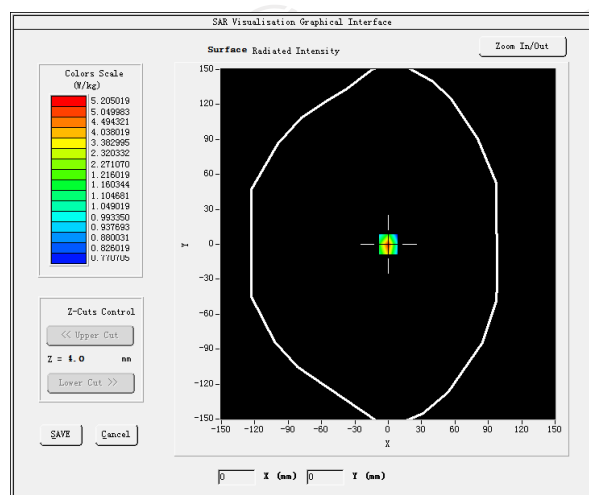
Hot spot position



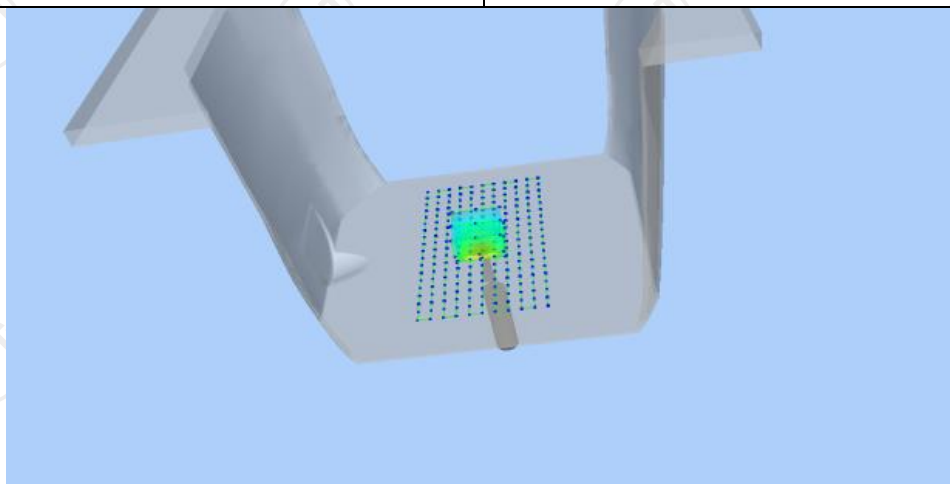
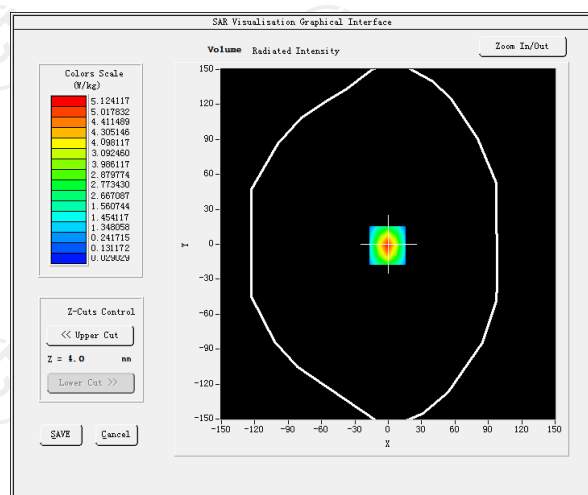
Date of measurement: 03/27/2018 Test mode: 2450MHz (Head)
 Product Description: Validation
 Dipole Model: SID2450
 E-Field Probe: SSE5 (SN 07/15 EP248)

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

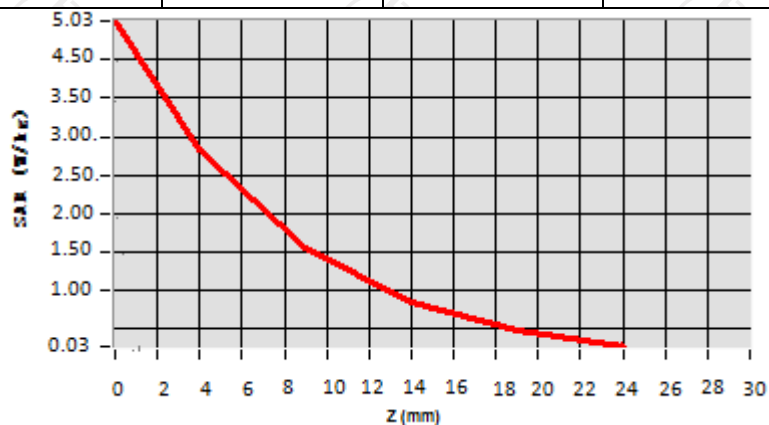
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.0262	2.7584	1.5026	0.8252	0.4125

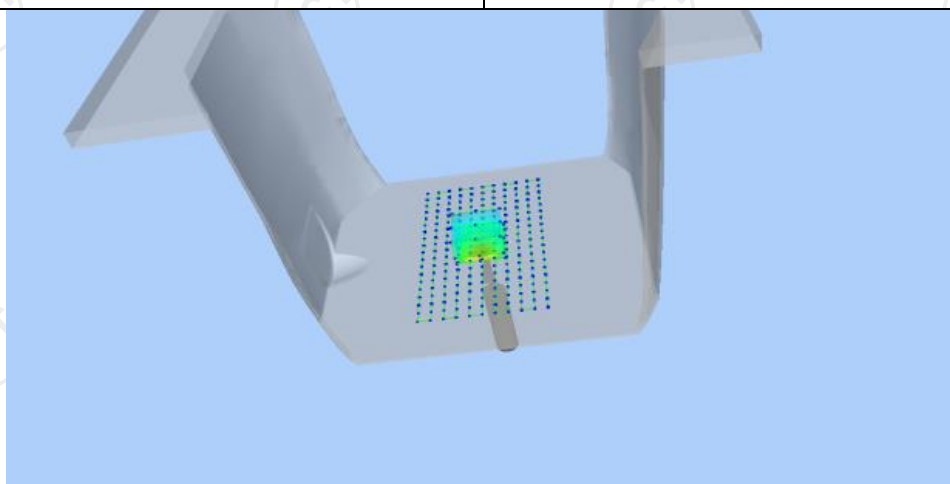
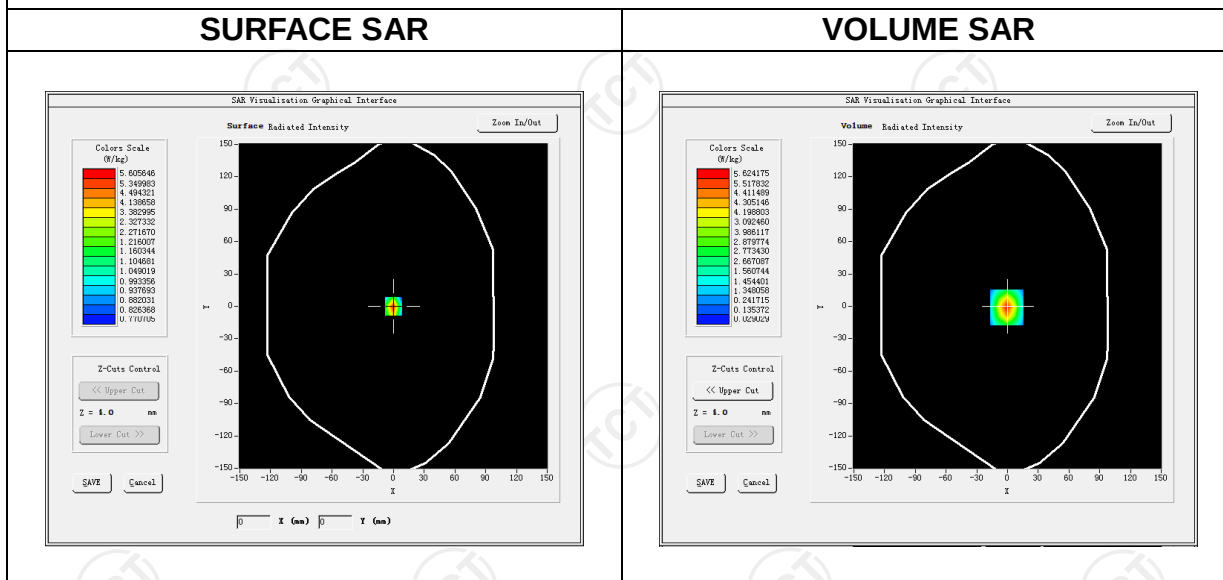


Hot spot position

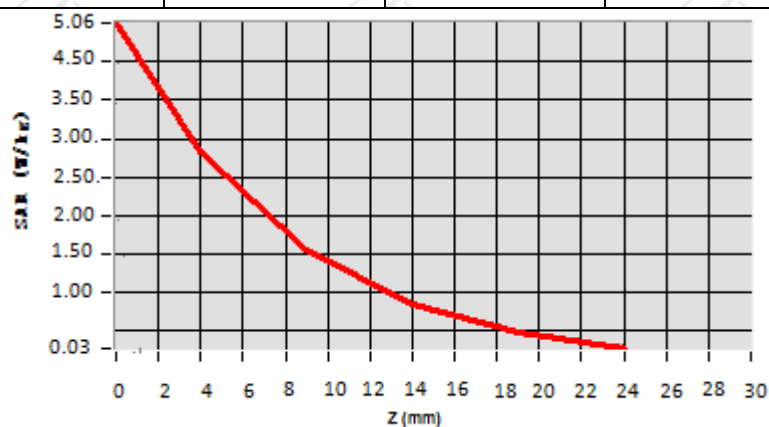


Date of measurement: 03/27/2018 Test mode: 2450MHz (Body)
 Product Description: Validation
 Dipole Model: SID2450
 E-Field Probe: SSE5 (SN 07/15 EP248)

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



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.0622	2.7984	1.5251	0.8352	0.4200



Hot spot position



12. SAR Test Data

GSM850

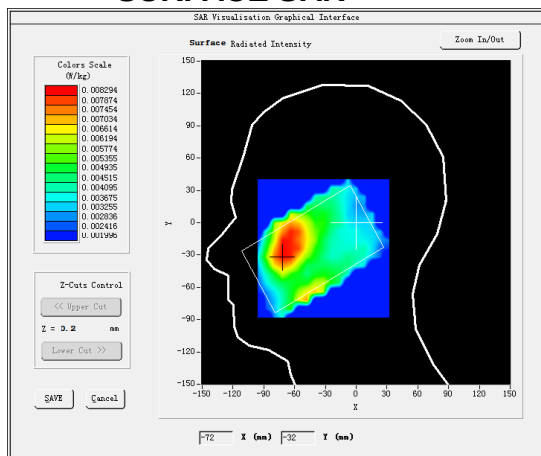
MEASUREMENT 1

Middle Band SAR (Channel 190):

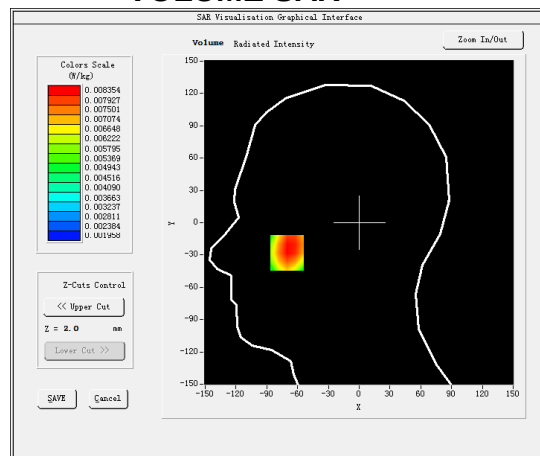
Date: 03/14/2018

Frequency (MHz)	836.600000
Relative permittivity (real part)	41.417760
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.874923
Variation (%)	-1.720000
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=</u> <u>5.00 mm</u>
Phantom	<u>Right head</u>
Device Position	<u>Cheek</u>
Band	<u>GSM850(voice)</u>

SURFACE SAR

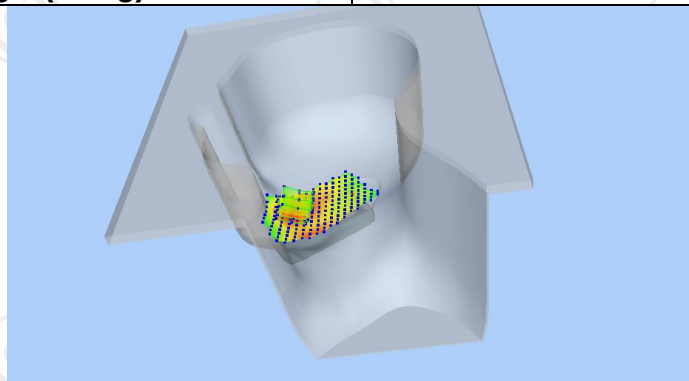


VOLUME SAR

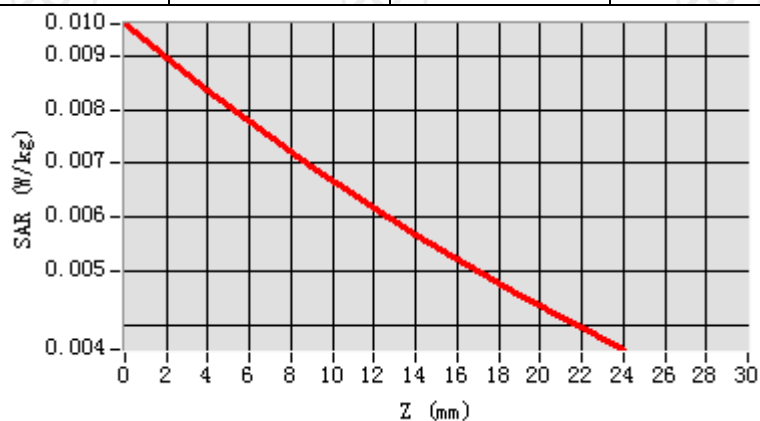


Maximum location: X=-70.00, Y=-28.00 SAR Peak: 0.01 W/kg

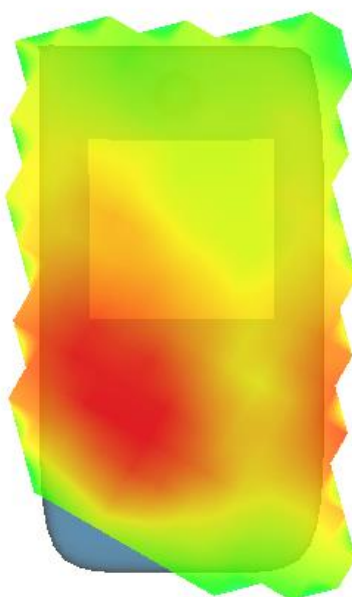
SAR 10g (W/Kg)	0.007651
SAR 1g (W/Kg)	0.009213



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0092	0.0079	0.0070	0.0059	0.0048



Hot spot position



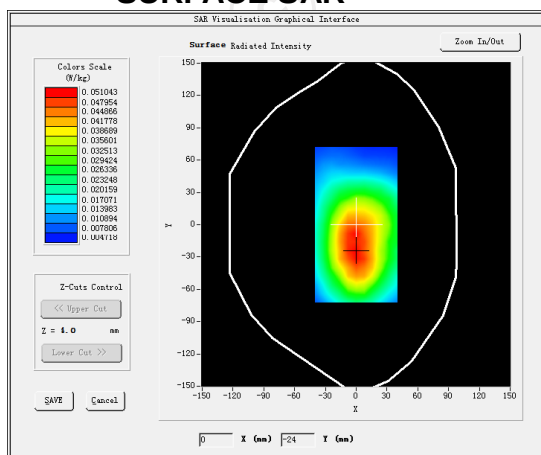
MEASUREMENT 2

Middle Band SAR (Channel 190):

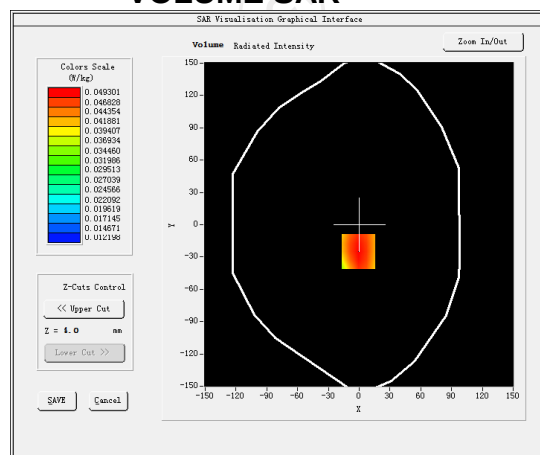
Date: 03/14/2018

Frequency (MHz)	836.600000
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.938883
Variation (%)	0.210000
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=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>GSM850(Voice)</u>

SURFACE SAR



VOLUME SAR



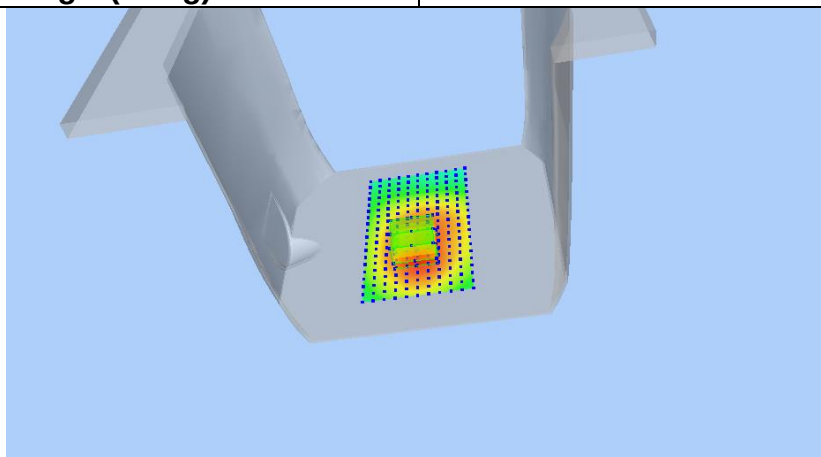
Maximum location: X=-1.00, Y=-25.00 SAR Peak: 0.06 W/kg

SAR 10g (W/Kg)

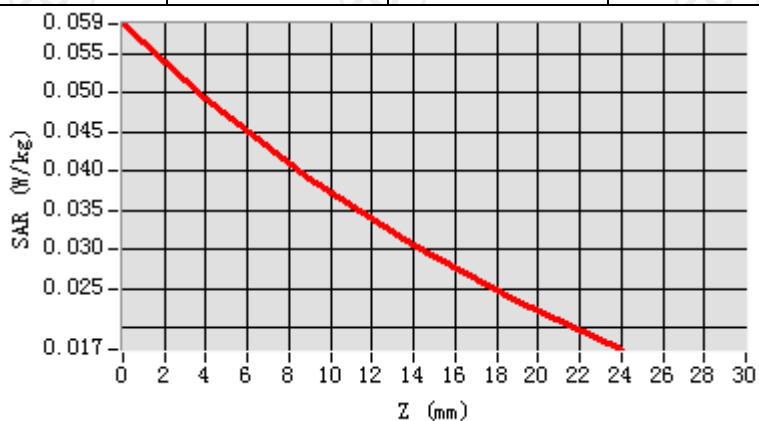
0.036509

SAR 1g (W/Kg)

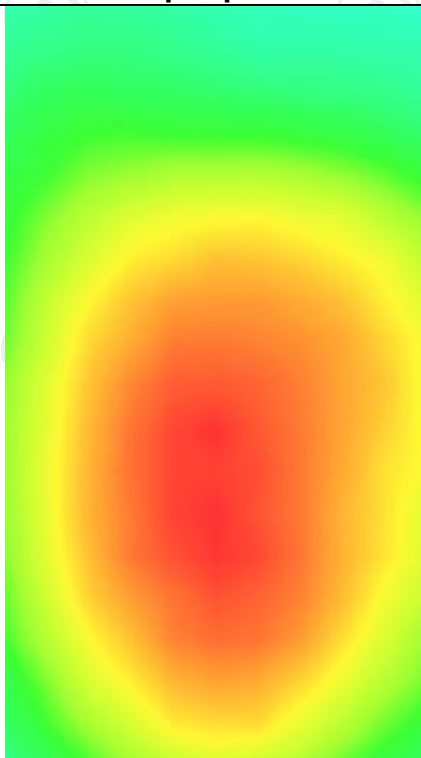
0.048955



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0588	0.0493	0.0391	0.0305	0.0233



Hot spot position



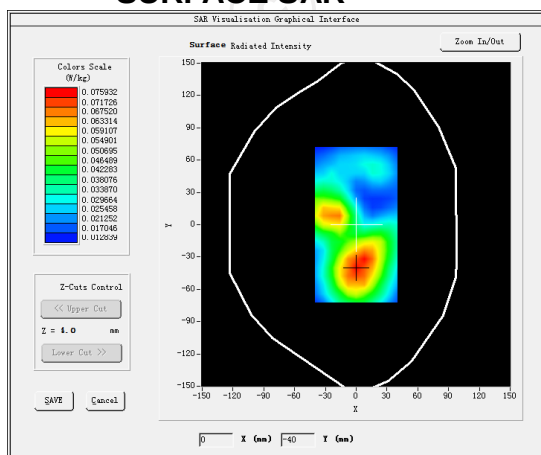
MEASUREMENT 3

Middle Band SAR (Channel 190):

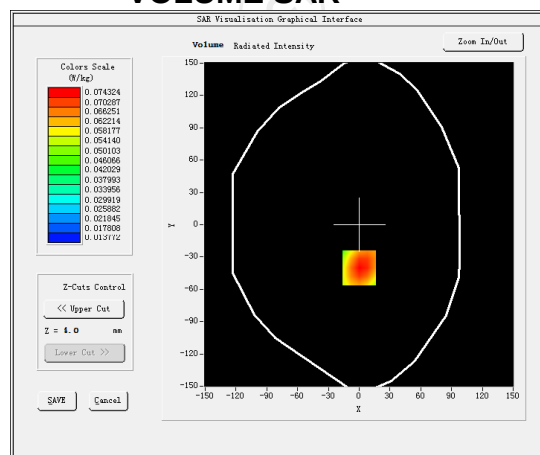
Date: 03/14/2018

Frequency (MHz)	836.600000
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.938883
Variation (%)	4.380000
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=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>GSM850(GPRS 4slot)</u>

SURFACE SAR



VOLUME SAR



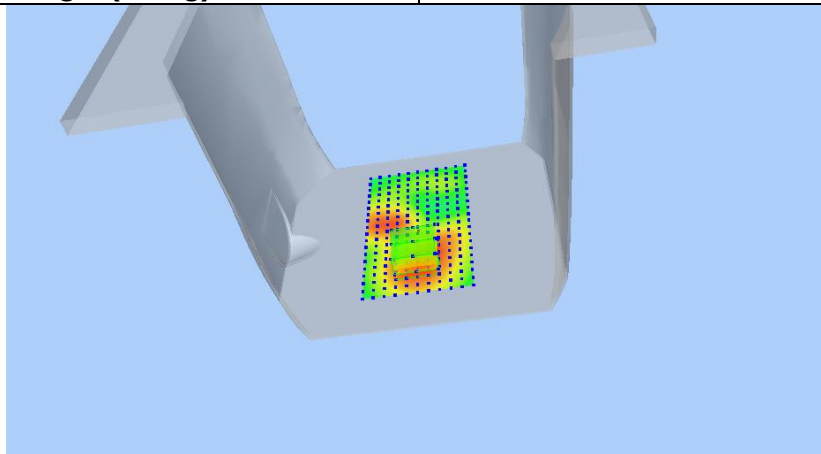
Maximum location: X=0.00, Y=-40.00 SAR Peak: 0.10 W/kg

SAR 10g (W/Kg)

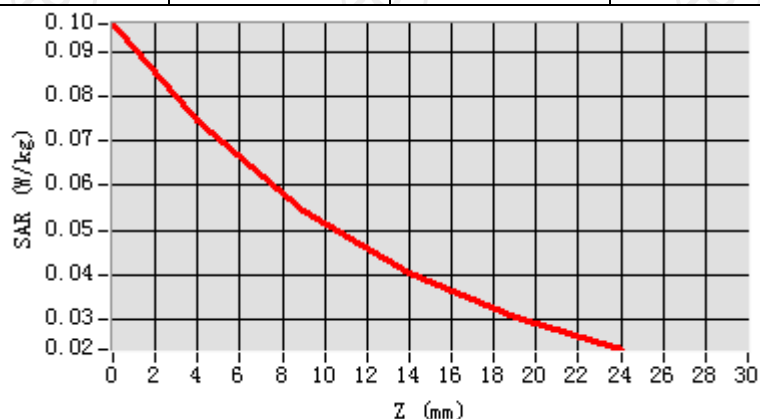
0.074315

SAR 1g (W/Kg)

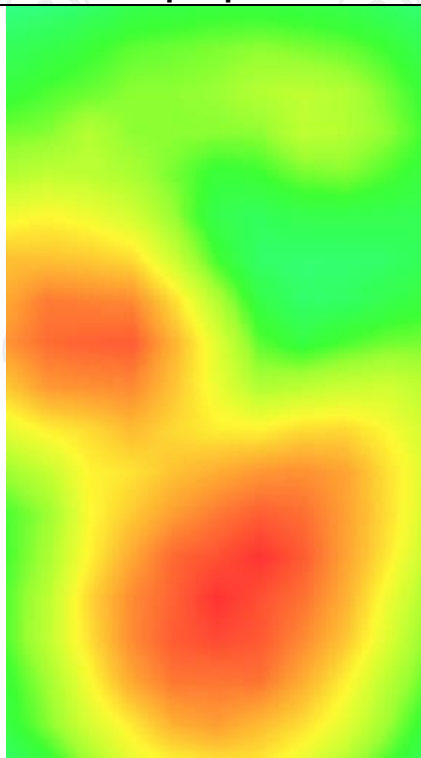
0.093706



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0961	0.0743	0.0541	0.0401	0.0305



Hot spot position



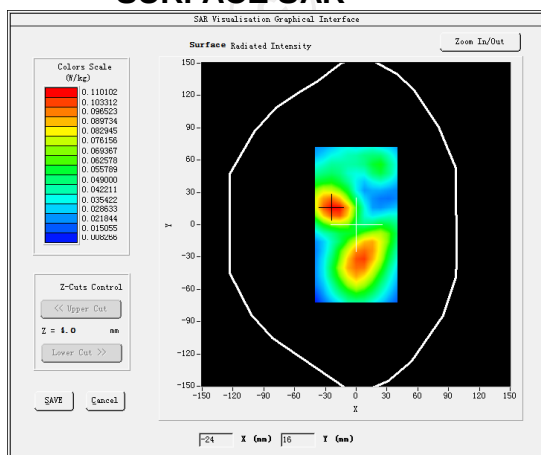
MEASUREMENT 4

Middle Band SAR (Channel 190):

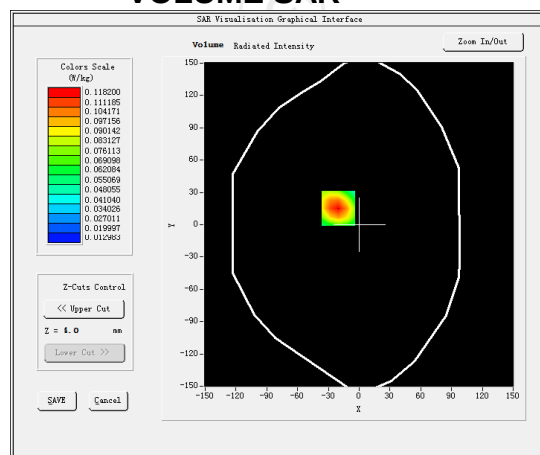
Date: 03/14/2018

Frequency (MHz)	836.600000
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.938883
Variation (%)	2.620000
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=</u> <u>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



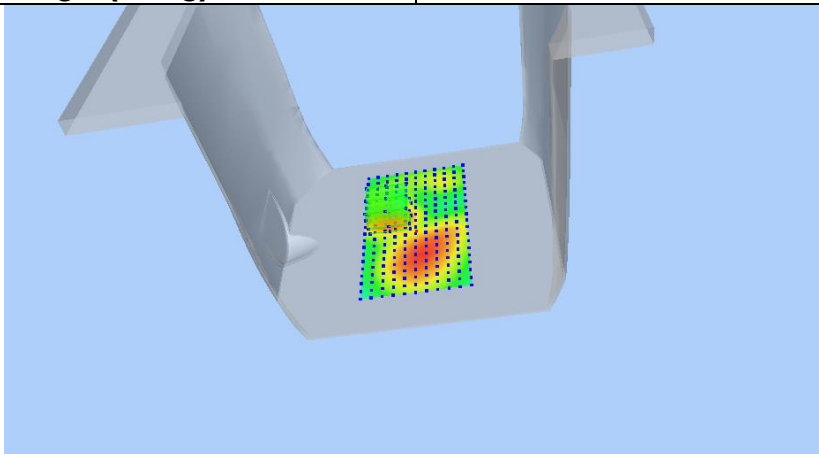
Maximum location: X=-20.00, Y=15.00 SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)

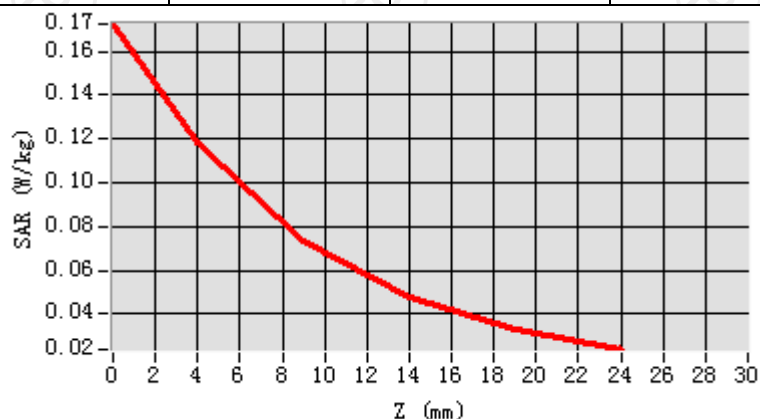
0.083985

SAR 1g (W/Kg)

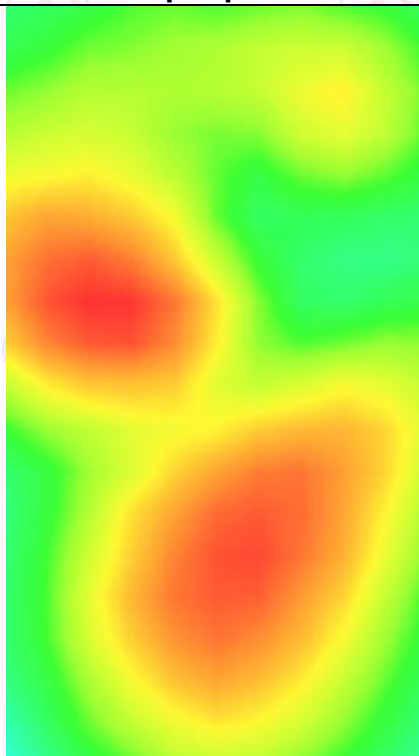
0.114272



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1725	0.1182	0.0738	0.0479	0.0333



Hot spot position

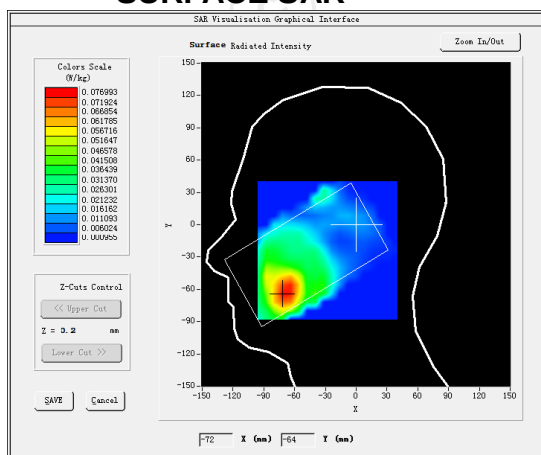


GSM1900

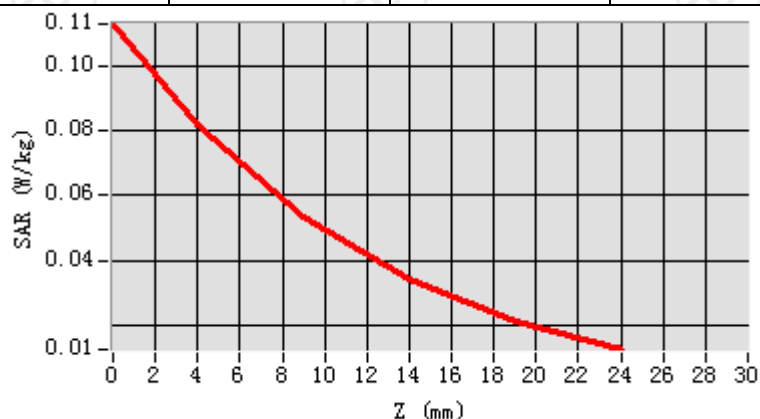
MEASUREMENT 1

Middle Band SAR (Channel 661):		Date: 03/22/2018
Frequency (MHz)	1880.000000	
Relative permittivity (real part)	39.076721	
Relative permittivity (imaginary part)	12.607061	
Conductivity (S/m)	1.367609	
Variation (%)	3.330000	
Crest Factor	8.3	
Probe Conversion factor	4.85	
E-Field Probe:	SSE5 (SN 07/15 EP248)	
Area Scan	dx=8mm dy=8mm, h= 5.00 mm	
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm	
Phantom	Right head	
Device Position	Cheek	
Band	GSM1900(voice)	

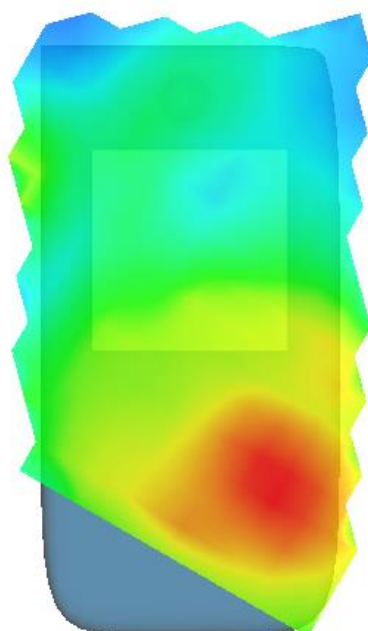
SURFACE SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1153	0.0837	0.0301	0.0327	0.0238



Hot spot position



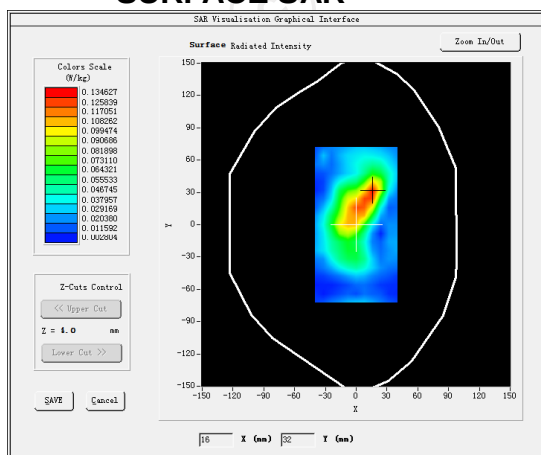
MEASUREMENT 2

Middle Band SAR (Channel 661):

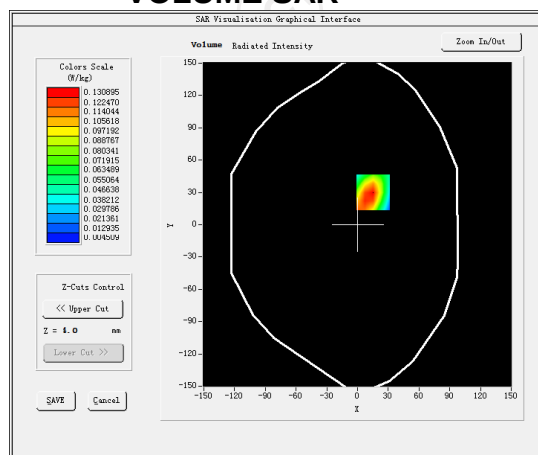
Date: 03/22/2018

Frequency (MHz)	1880.000000
Relative permittivity (real part)	53.309999
Relative permittivity (imaginary part)	14.329440
Conductivity (S/m)	1.510354
Variation (%)	0.870000
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=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>GSM1900(voice)</u>

SURFACE SAR



VOLUME SAR



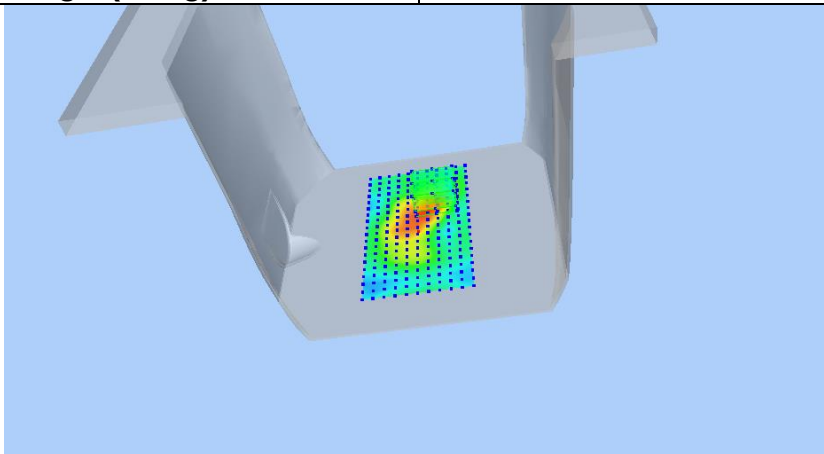
Maximum location: X=15.00, Y=30.00 SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)

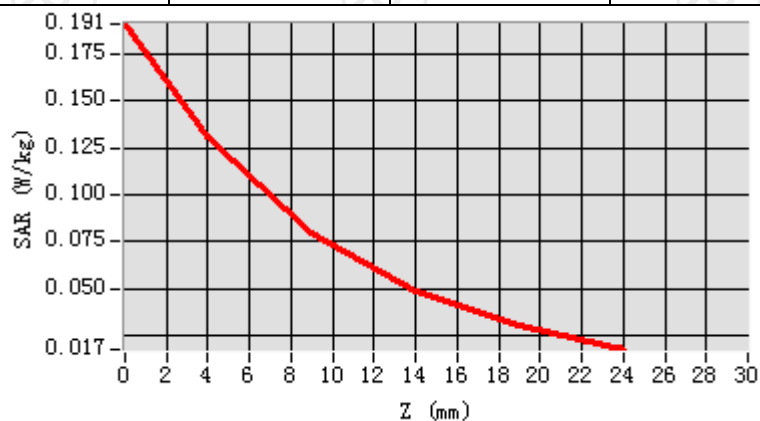
0.073245

SAR 1g (W/Kg)

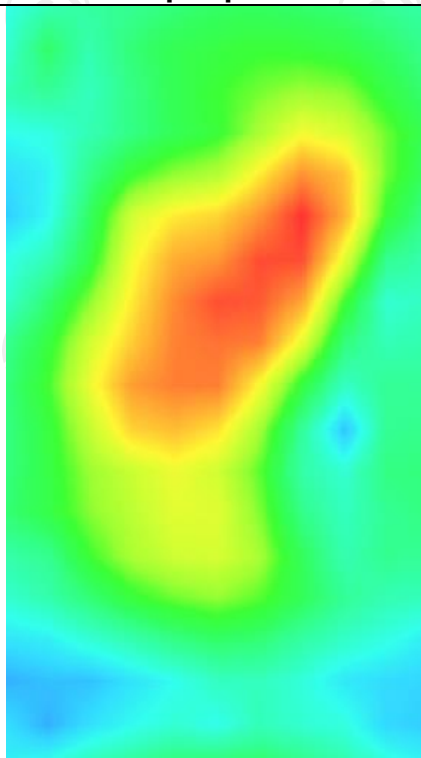
0.125642



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1910	0.1309	0.0800	0.0487	0.0298



Hot spot position



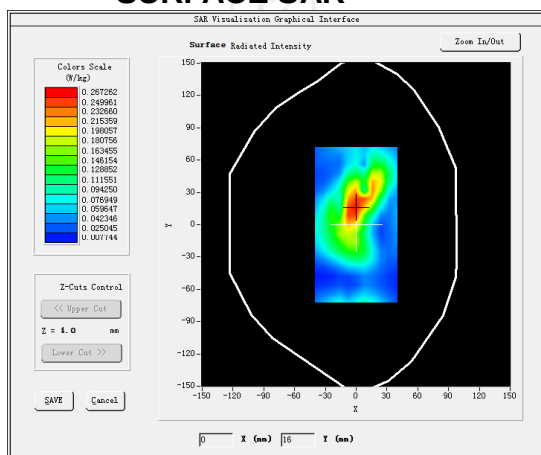
MEASUREMENT 3

Middle Band SAR (Channel 661):

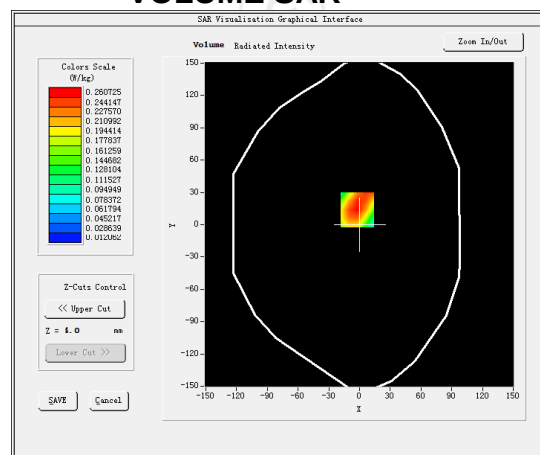
Date: 03/22/2018

Frequency (MHz)	1880.000000
Relative permittivity (real part)	53.309999
Relative permittivity (imaginary part)	14.329440
Conductivity (S/m)	1.510354
Variation (%)	-0.580000
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=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>GSM1900(GPRS 4slot)</u>

SURFACE SAR



VOLUME SAR



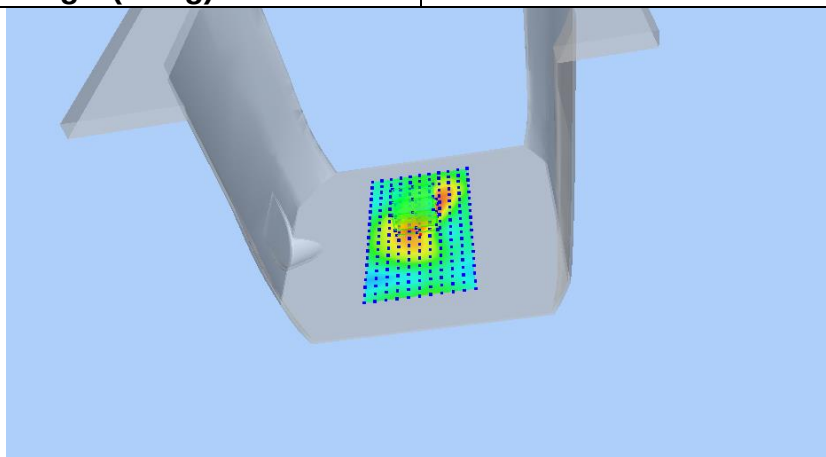
Maximum location: X=-2.00, Y=14.00 SAR Peak: 0.38 W/kg

SAR 10g (W/Kg)

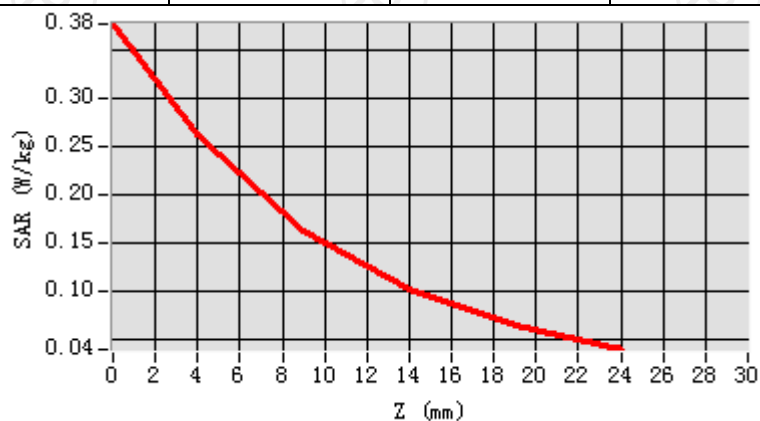
0.150202

SAR 1g (W/Kg)

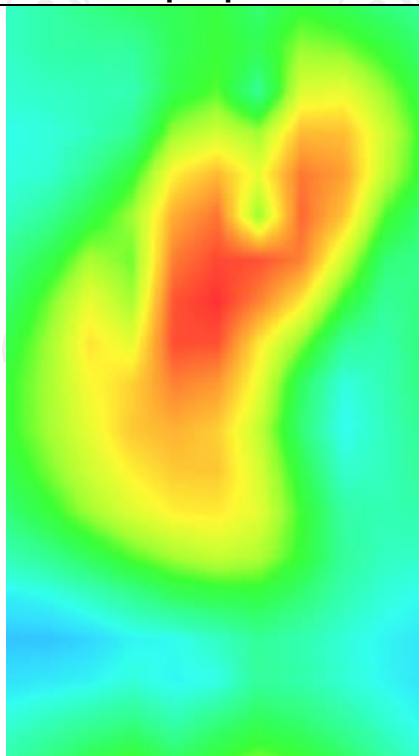
0.248075



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3760	0.2607	0.1626	0.1015	0.0644



Hot spot position



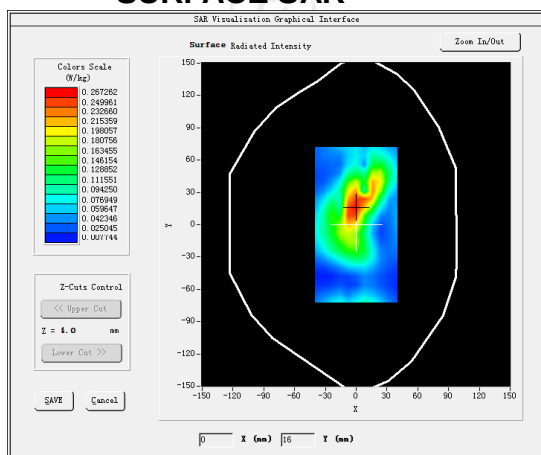
MEASUREMENT 4

Middle Band SAR (Channel 661):

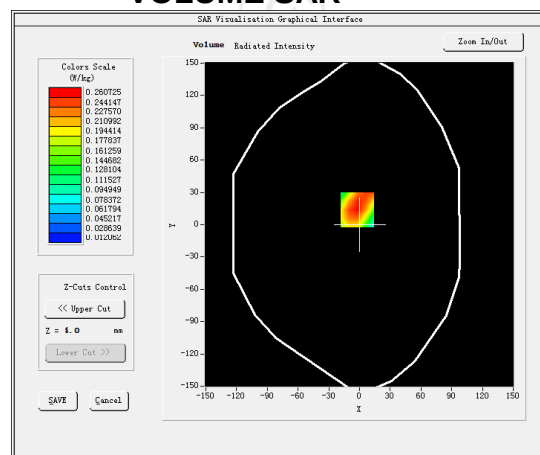
Date: 03/22/2018

Frequency (MHz)	1880.000000
Relative permittivity (real part)	53.309999
Relative permittivity (imaginary part)	14.329440
Conductivity (S/m)	1.510354
Variation (%)	-0.890000
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=</u> <u>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



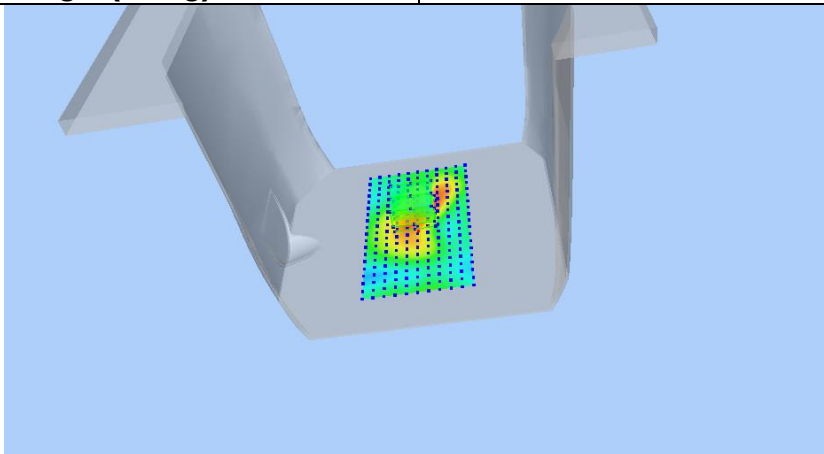
Maximum location: X=-3.00, Y=12.00 SAR Peak: 0.40 W/kg

SAR 10g (W/Kg)

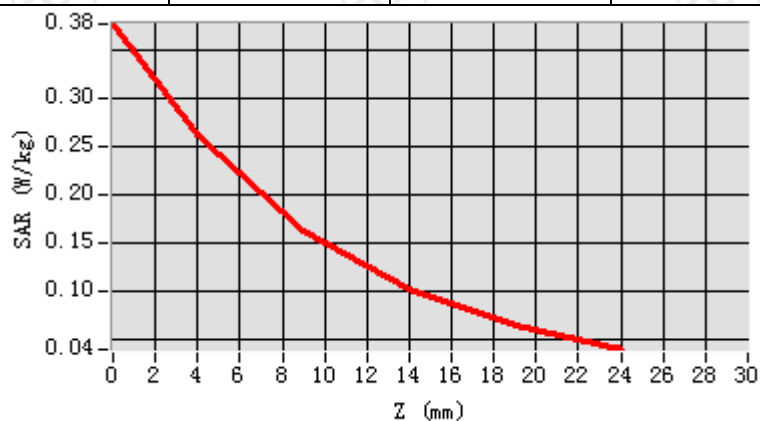
0.153694

SAR 1g (W/Kg)

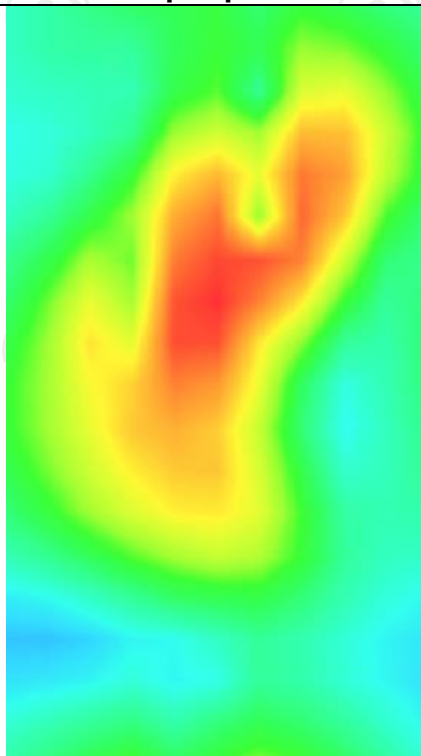
0.251073



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3802	0.2610	0.1631	0.1018	0.0649



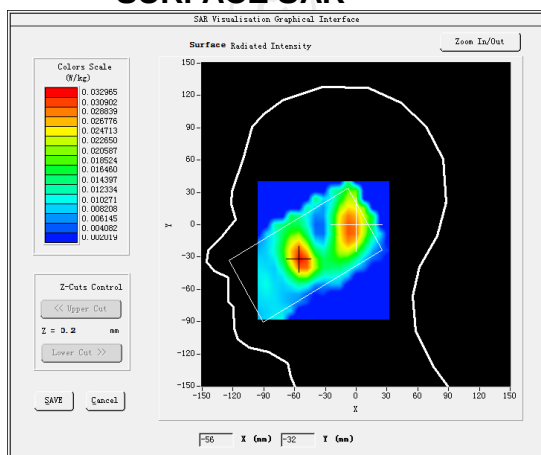
Hot spot position



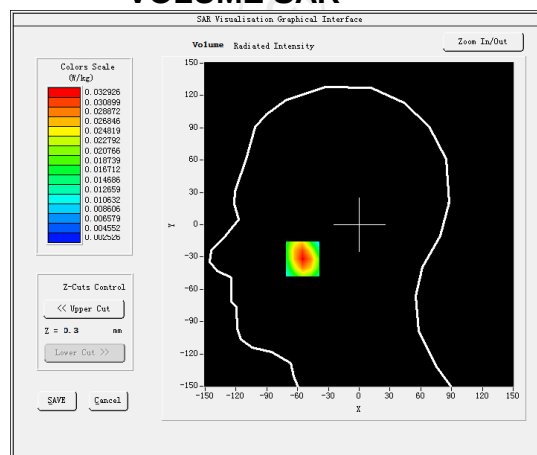
WCDMA Band II MEASUREMENT 1

Middle Band SAR (Channel 9400):		Date: 03/22/2018
Frequency (MHz)	1880.000000	
Relative permittivity (real part)	39.070000	
Relative permittivity (imaginary part)	14.000000	
Conductivity (S/m)	1.38000	
Variation (%)	-1.250000	
Crest Factor	1.0	
Probe Conversion factor	4.85	
E-Field Probe:	SSE5 (SN 07/15 EP248)	
Area Scan	dx=8mm dy=8mm, h= 5.00 mm	
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm	
Phantom	Right head	
Device Position	Cheek	
Band	BAND1 WCDMA2100	

SURFACE SAR



VOLUME SAR



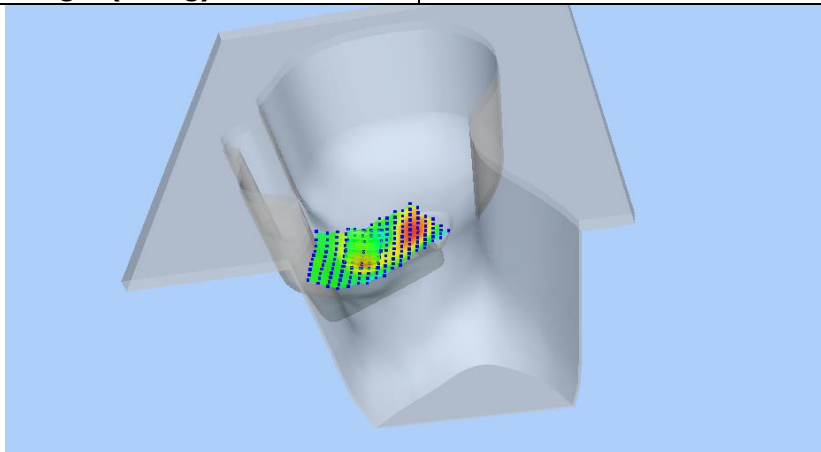
Maximum location: X=-56.00, Y=-38.00 SAR Peak: 0.04 W/kg

SAR 10g (W/Kg)

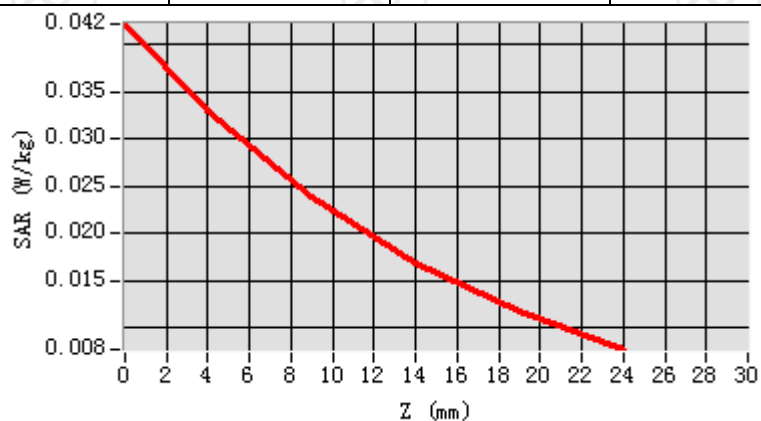
0.021491

SAR 1g (W/Kg)

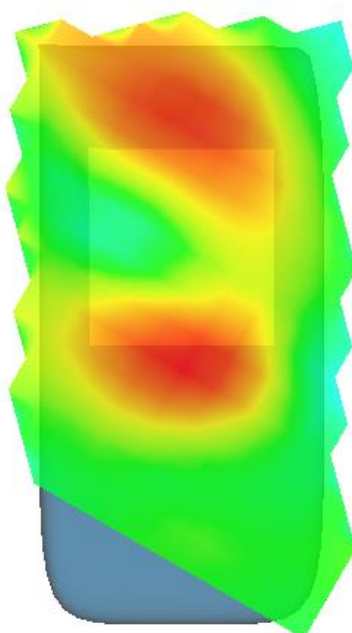
0.034730



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0422	0.0329	0.0238	0.0169	0.0117



Hot spot position



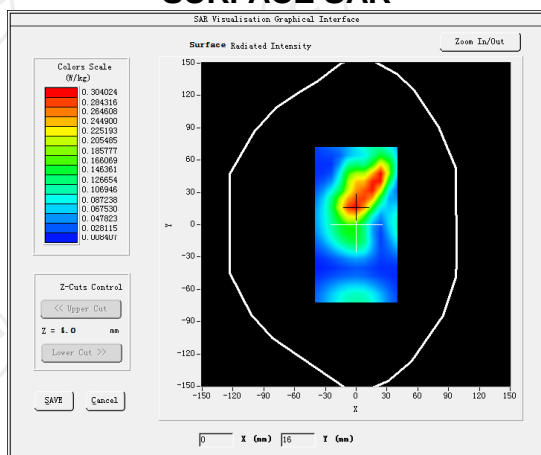
MEASUREMENT 2

Middle Band SAR (Channel 9400):

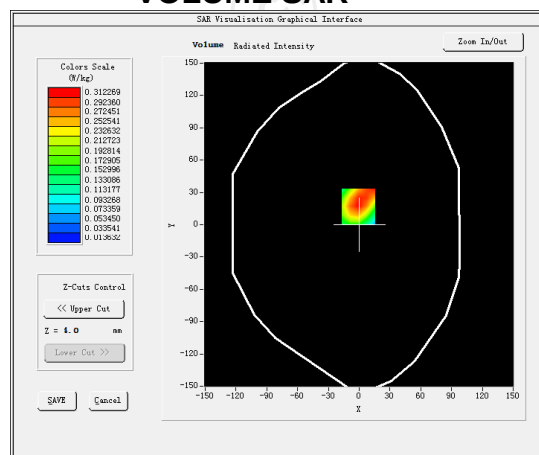
Date: 03/22/2018

Frequency (MHz)	1880.000000
Relative permittivity (real part)	53.292699
Relative permittivity (imaginary part)	15.200000
Conductivity (S/m)	1.530000
Variation (%)	0.650000
Crest Factor	1.0
Probe Conversion factor	5.01
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	BAND1 WCDMA2100

SURFACE SAR



VOLUME SAR



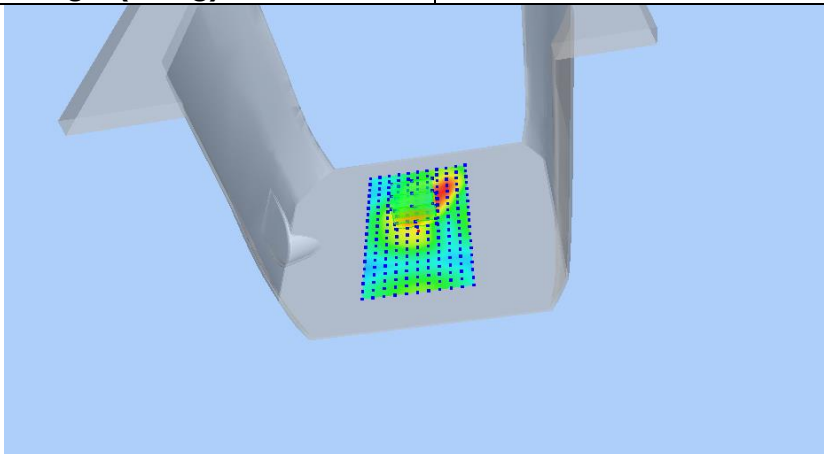
Maximum location: X=-1.00, Y=17.00 SAR Peak: 0.46 W/kg

SAR 10g (W/Kg)

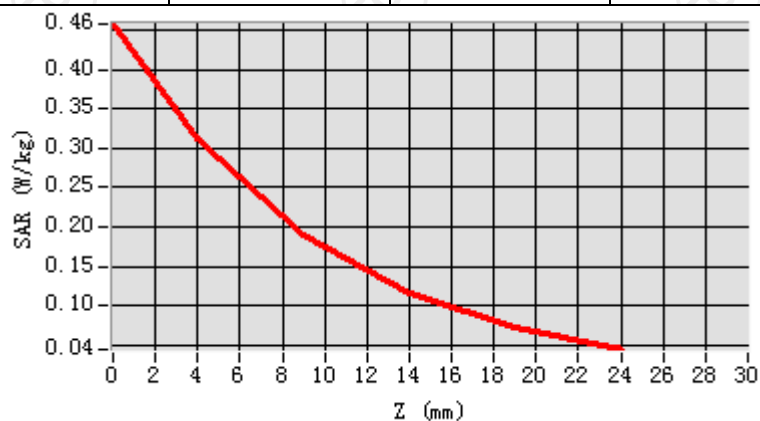
0.177487

SAR 1g (W/Kg)

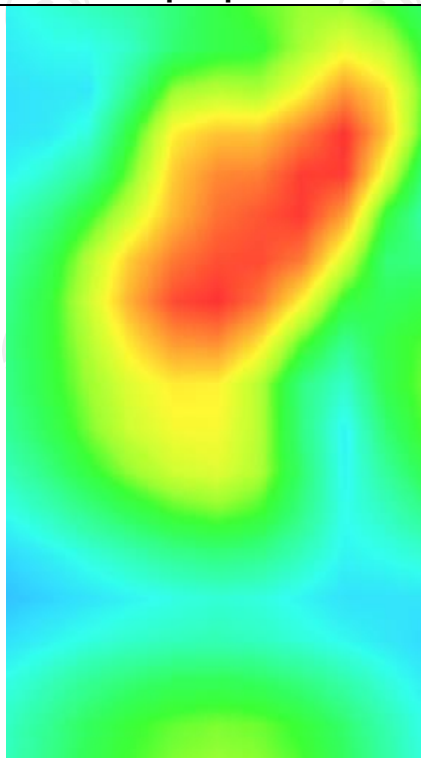
0.297676



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4585	0.3123	0.1901	0.1161	0.0725



Hot spot position



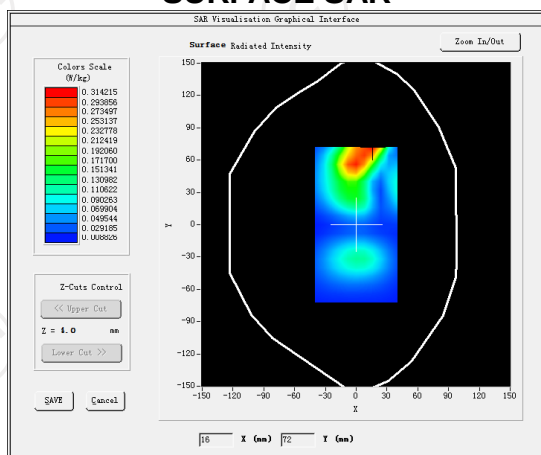
MEASUREMENT 3

Middle Band SAR (Channel 9400):

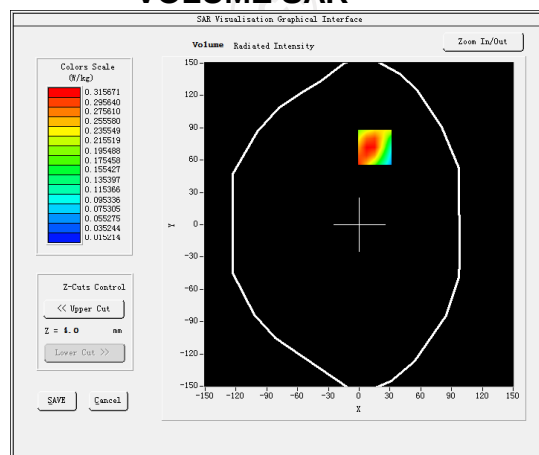
Date: 03/22/2018

Frequency (MHz)	1880.000000
Relative permittivity (real part)	53.292699
Relative permittivity (imaginary part)	15.200000
Conductivity (S/m)	1.530000
Variation (%)	1.730000
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 bottom(10mm)</u>
Band	<u>BAND1 WCDMA2100(hotspot)</u>

SURFACE SAR



VOLUME SAR



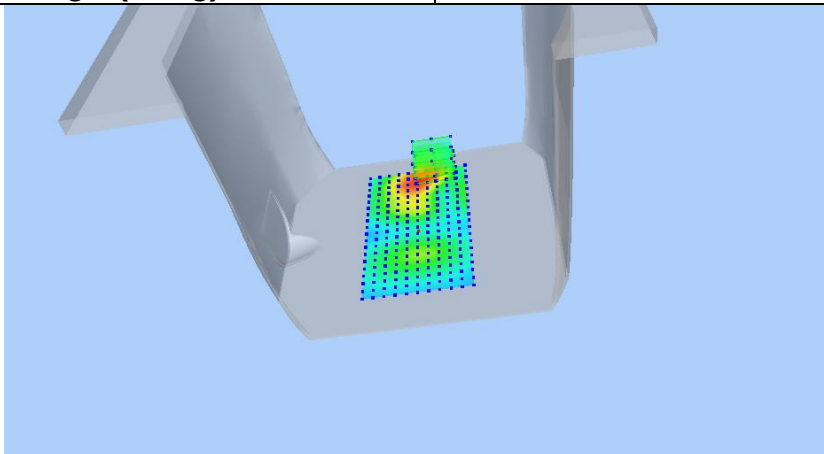
Maximum location: X=15.00, Y=72.00 SAR Peak: 0.47 W/kg

SAR 10g (W/Kg)

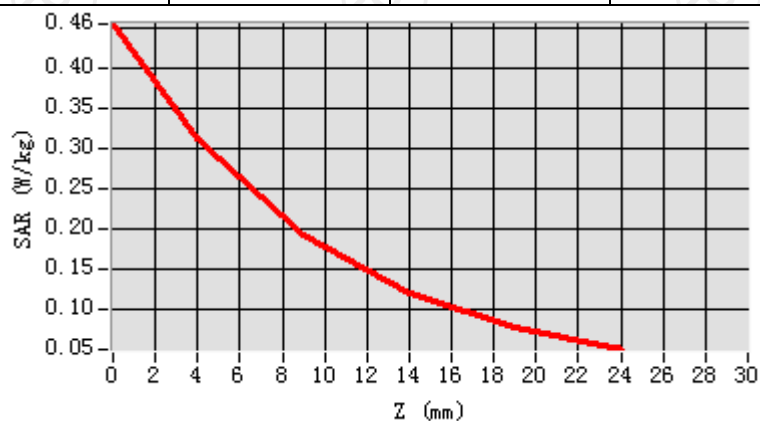
0.184409

SAR 1g (W/Kg)

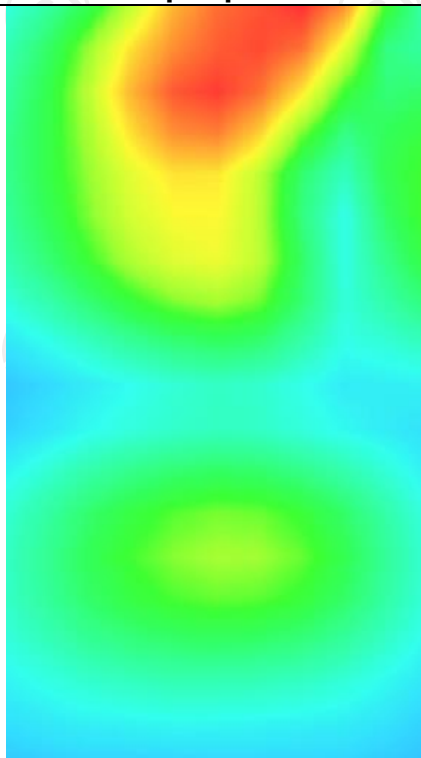
0.305799



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4560	0.3122	0.1925	0.1206	0.0785



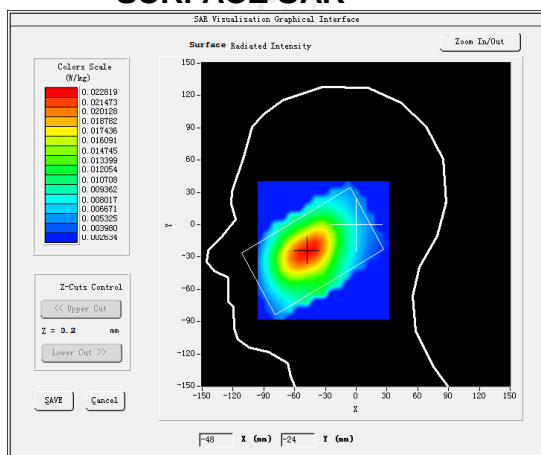
Hot spot position



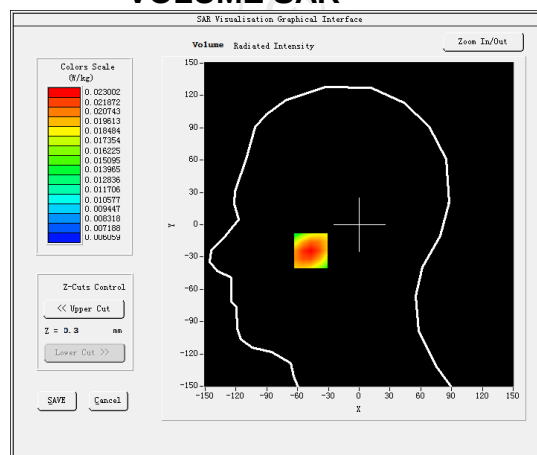
WCDMA Band V
MEASUREMENT 1

Middle Band SAR (Channel 4182):		Date: 03/14/2018
Frequency (MHz)	836.400000	
Relative permittivity (real part)	41.417760	
Relative permittivity (imaginary part)	18.129852	
Conductivity (S/m)	0.874923	
Variation (%)	-0.580000	
Crest Factor:	1.0	
Probe Conversion factor	5.50	
E-Field Probe:	SSE5 (SN 07/15 EP248)	
Area Scan	dx=8mm dy=8mm, h= 5.00 mm	
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm	
Phantom	Right head	
Device Position	Cheek	
Band	BAND5 WCDMA850	

SURFACE SAR



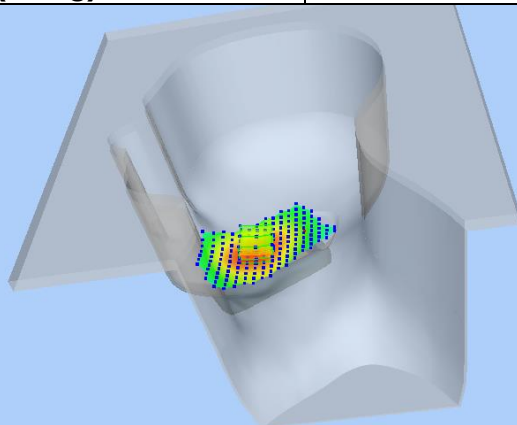
VOLUME SAR



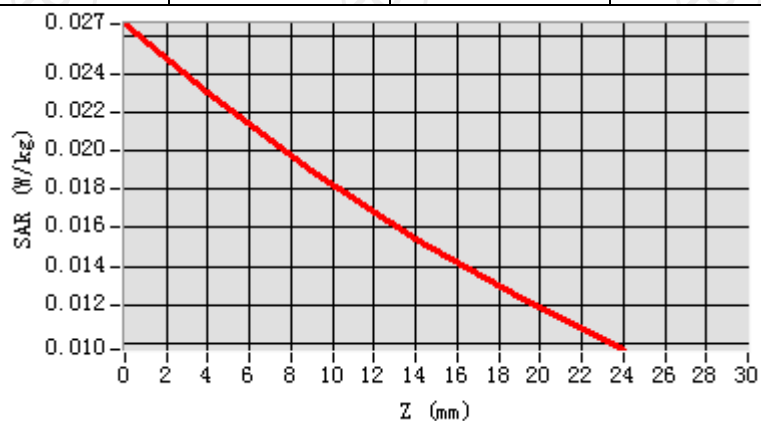
Maximum location: X=-47.00, Y=-24.00 SAR Peak: 0.03 W/kg

SAR 10g (W/Kg) 0.016948

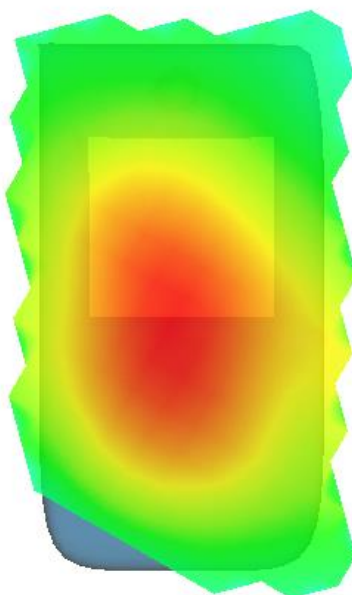
SAR 1g (W/Kg) 0.022205



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0266	0.0230	0.0190	0.0155	0.0124



Hot spot position



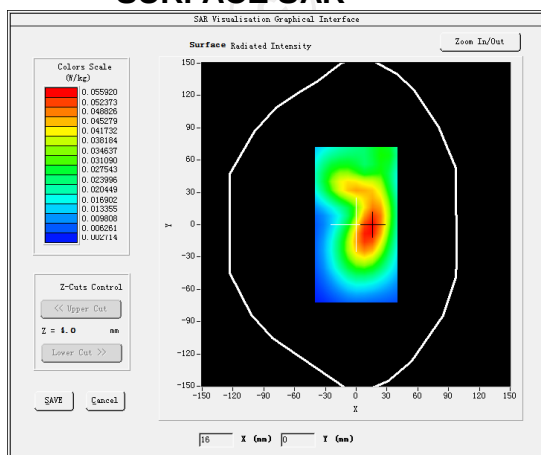
MEASUREMENT 2

Middle Band SAR (Channel 4182):

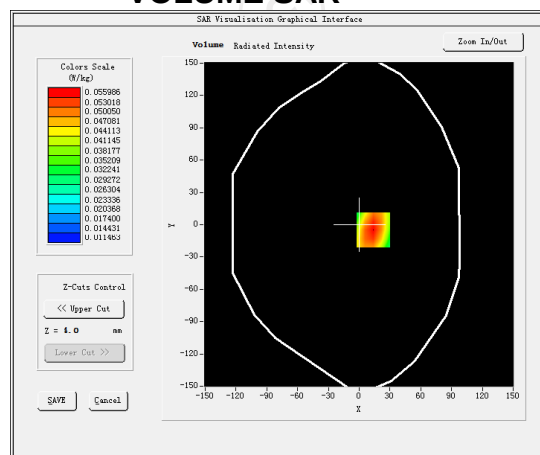
Date: 03/14/2018

Frequency (MHz)	836.400000
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.938883
Variation (%)	0.190000
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=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>BAND5 WCDMA850</u>

SURFACE SAR



VOLUME SAR



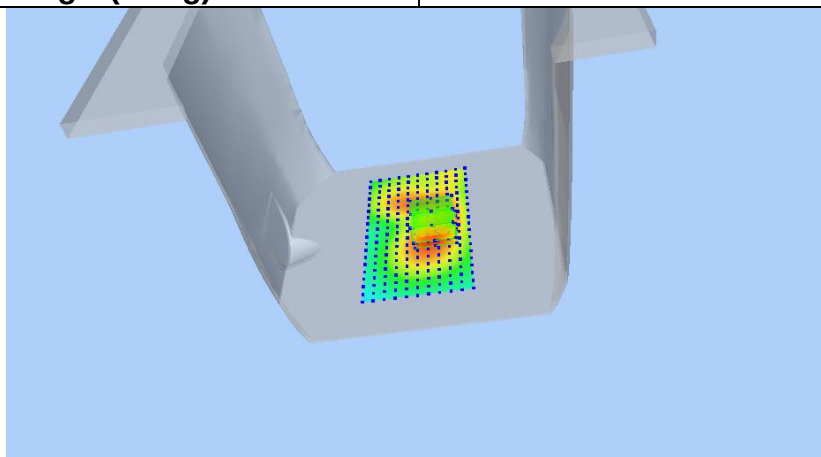
Maximum location: X=14.00, Y=-5.00 SAR Peak: 0.07 W/kg

SAR 10g (W/Kg)

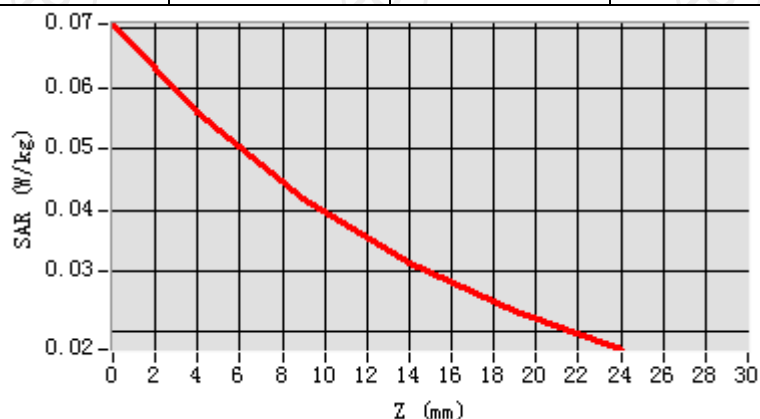
0.037479

SAR 1g (W/Kg)

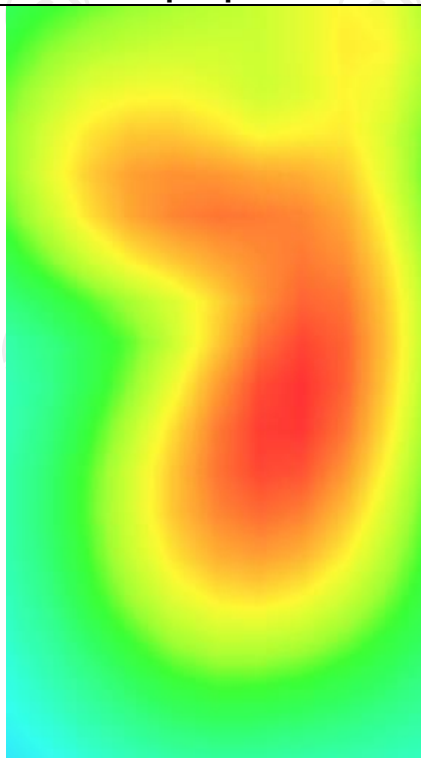
0.053552



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0706	0.0560	0.0417	0.0311	0.0232



Hot spot position



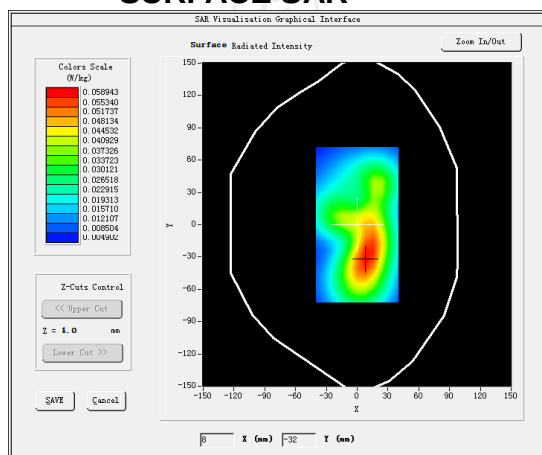
MEASUREMENT 3

Middle Band SAR (Channel 4182):

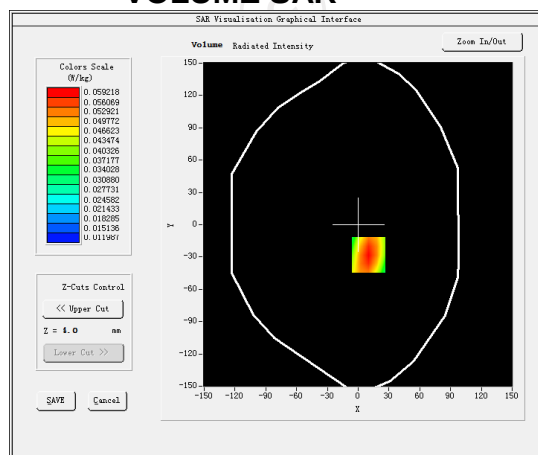
Date: 03/14/2018

Frequency (MHz)	836.400000
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.938883
Variation (%)	-0.570000
Crest Factor:	1.0
Probe Conversion factor	5.65
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back(10mm)
Band	BAND5 WCDMA850(hotspot)

SURFACE SAR

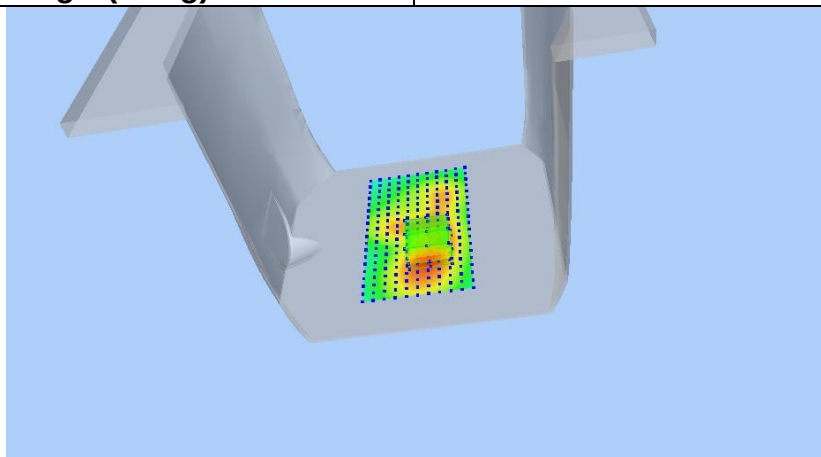


VOLUME SAR

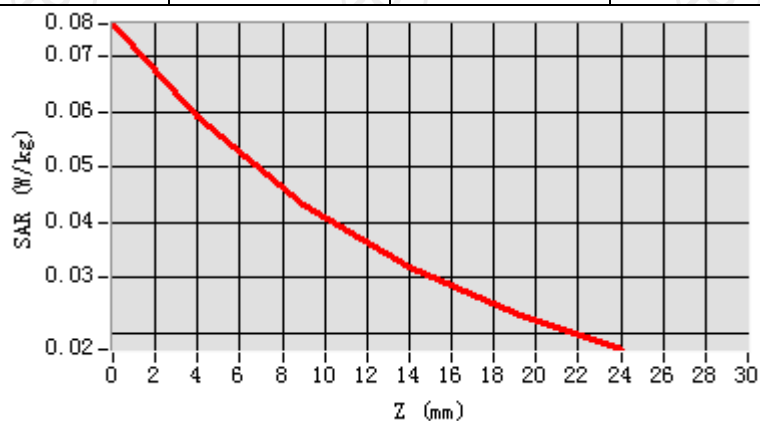


Maximum location: X=10.00, Y=-28.00 SAR Peak: 0.08 W/kg

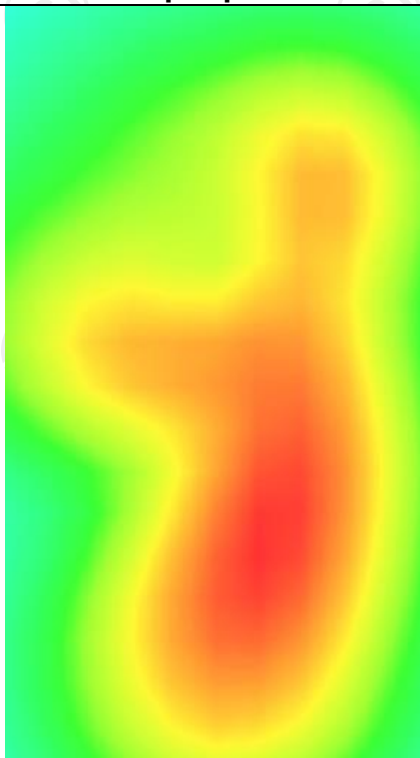
SAR 10g (W/Kg)	0.039146
SAR 1g (W/Kg)	0.056492



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0758	0.0592	0.0433	0.0318	0.0235



Hot spot position

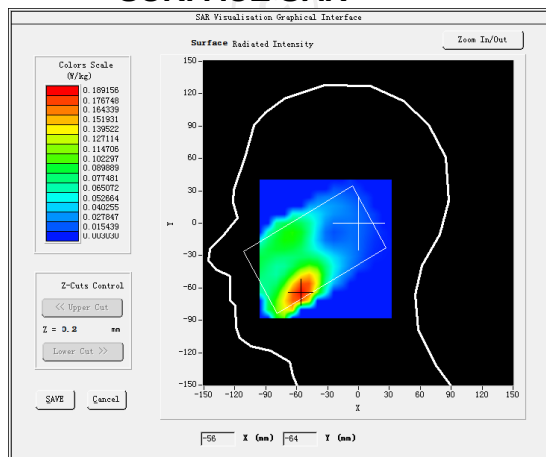


LTE Band 2

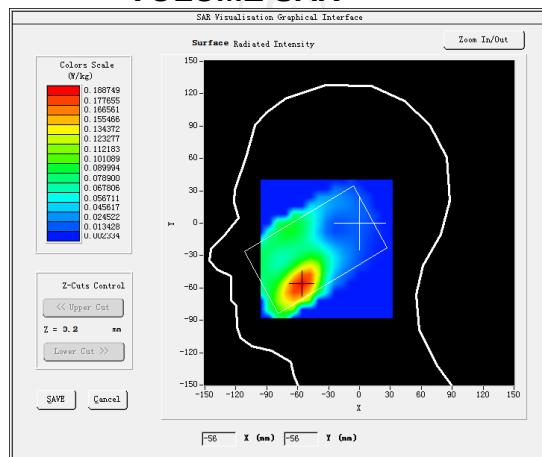
MEASUREMENT 1

Higher Band SAR (Channel 19193):		Date: 03/22/2018
Frequency (MHz)	1909.300000	
Relative permittivity (real part)	39.073664	
Relative permittivity (imaginary part)	12.607039	
Conductivity (S/m)	1.380488	
Variation (%)	0.430000	
Crest Factor	1.0	
Probe Conversion factor	4.85	
E-Field Probe:	SSE5 (SN 07/15 EP248)	
Area Scan	dx=8mm dy=8mm, h= 5.00 mm	
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm	
Phantom	Left head	
Device Position	Cheek	
Band	LTE band 2 (1 RB#3)	

SURFACE SAR



VOLUME SAR



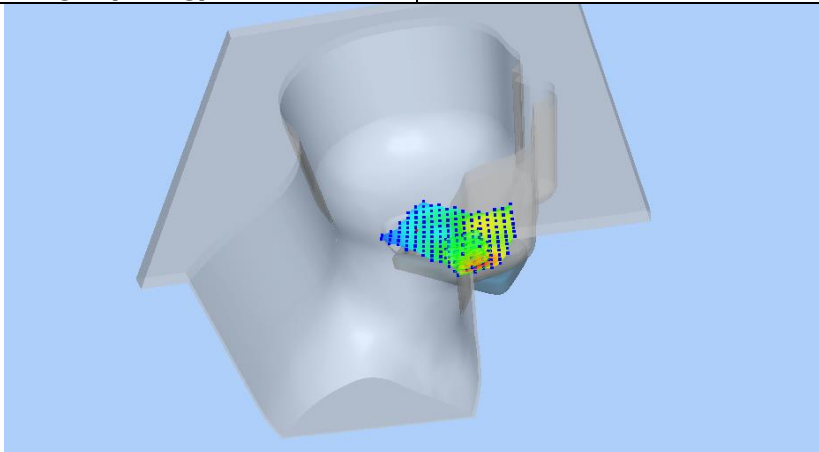
Maximum location: X=-56.00, Y=-64.00 SAR Peak: 0.19 W/kg

SAR 10g (W/Kg)

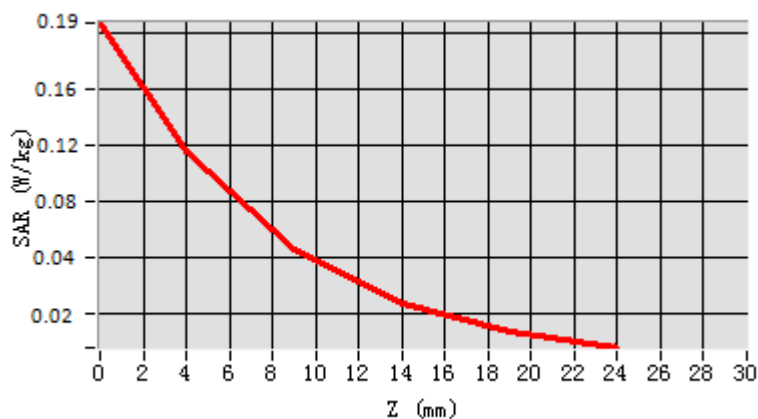
0.017862

SAR 1g (W/Kg)

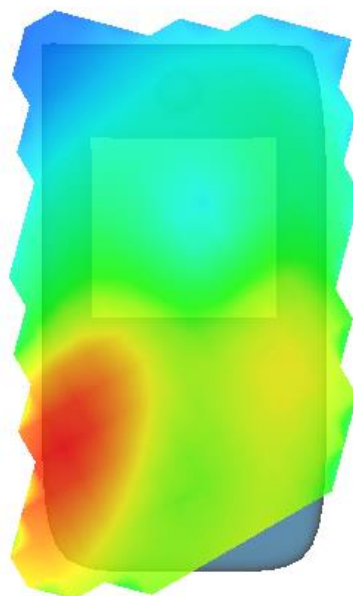
0.044062



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1842	0.0986	0.0427	0.0231	0.0129



Hot spot position



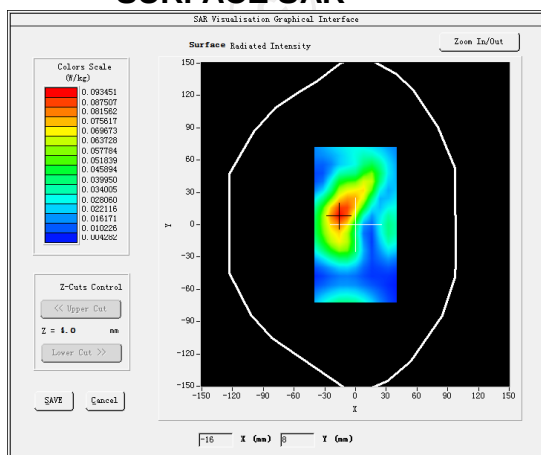
MEASUREMENT 2

Higher Band SAR (Channel 19193):

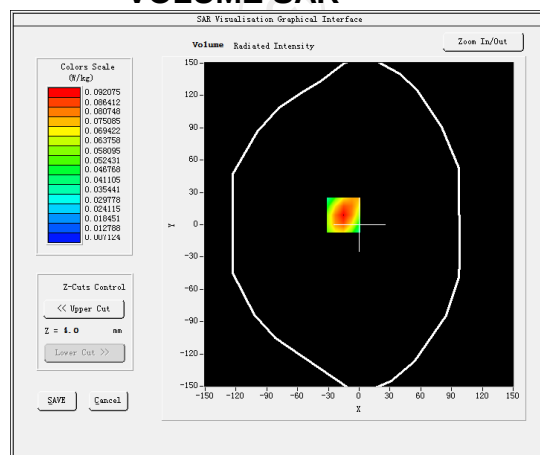
Date: 03/22/2018

Frequency (MHz)	1909.300000
Relative permittivity (real part)	53.294140
Relative permittivity (imaginary part)	14.329478
Conductivity (S/m)	1.527312
Variation (%)	-0.830000
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>LTE band 2 (1 RB#3)</u>

SURFACE SAR



VOLUME SAR



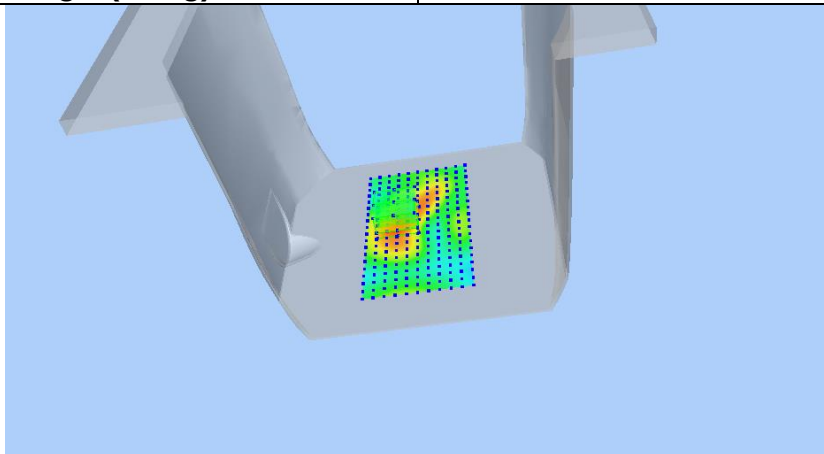
Maximum location: X=-15.00, Y=9.00 SAR Peak: 0.22 W/kg

SAR 10g (W/Kg)

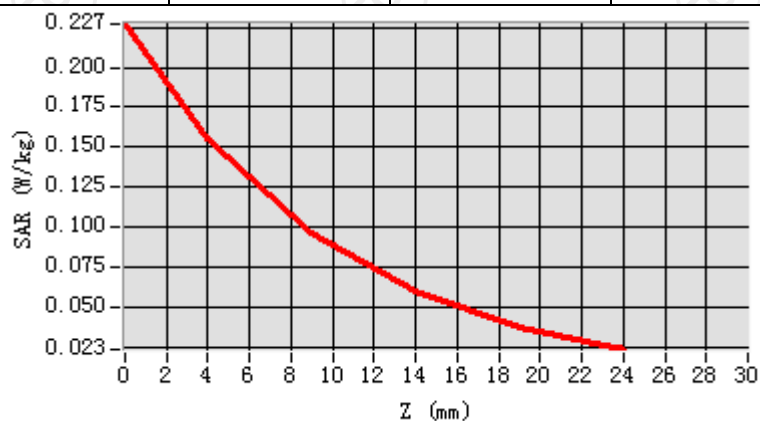
0.073849

SAR 1g (W/Kg)

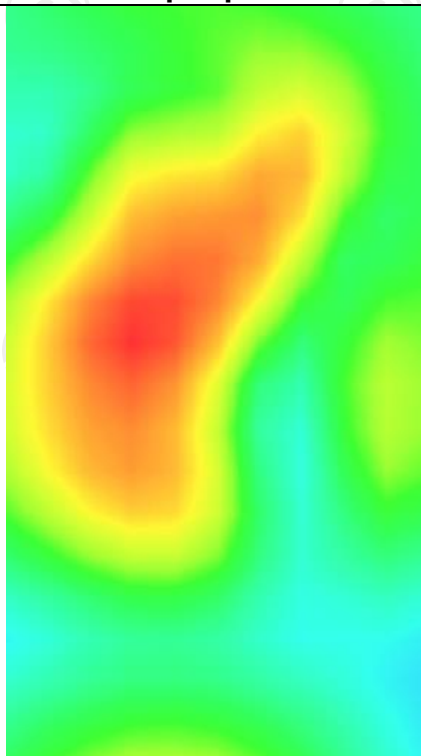
0.130887



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2272	0.1559	0.0960	0.0595	0.0377



Hot spot position



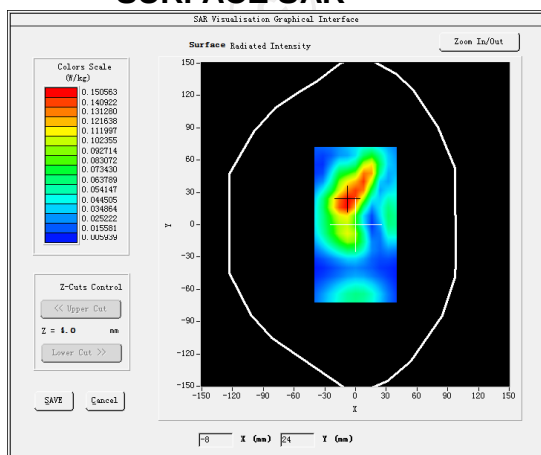
MEASUREMENT 3

Higher Band SAR (Channel 19193):

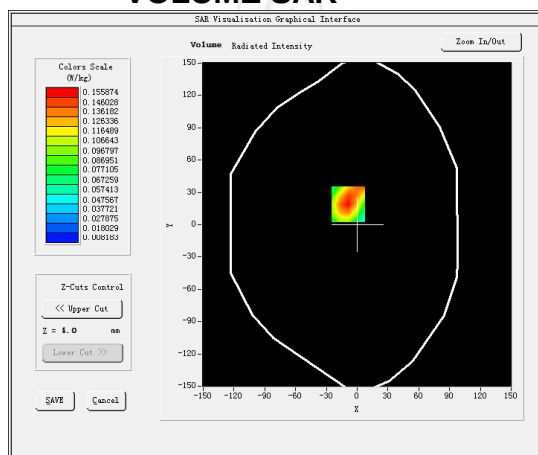
Date: 03/22/2018

Frequency (MHz)	1909.300000
Relative permittivity (real part)	53.294140
Relative permittivity (imaginary part)	14.329478
Conductivity (S/m)	1.527312
Variation (%)	-0.550000
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 bottom (hotspot 10mm)</u>
Band	<u>LTE band 2 (1 RB#3)</u>

SURFACE SAR



VOLUME SAR



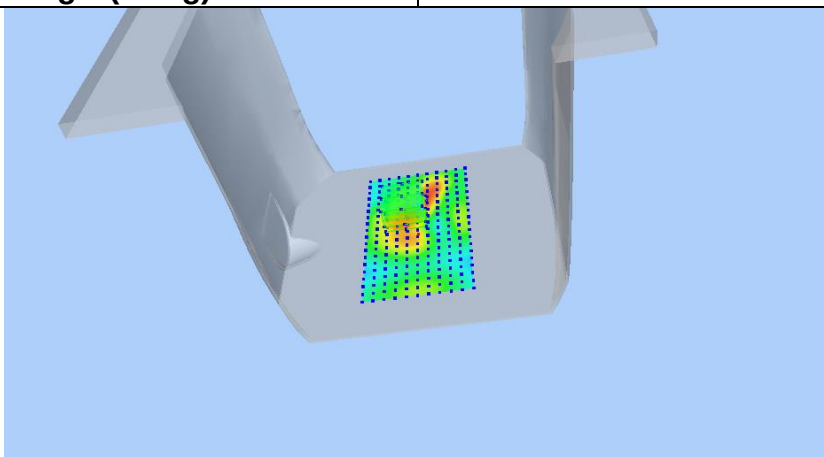
Maximum location: X=-9.00, Y=19.00 SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)

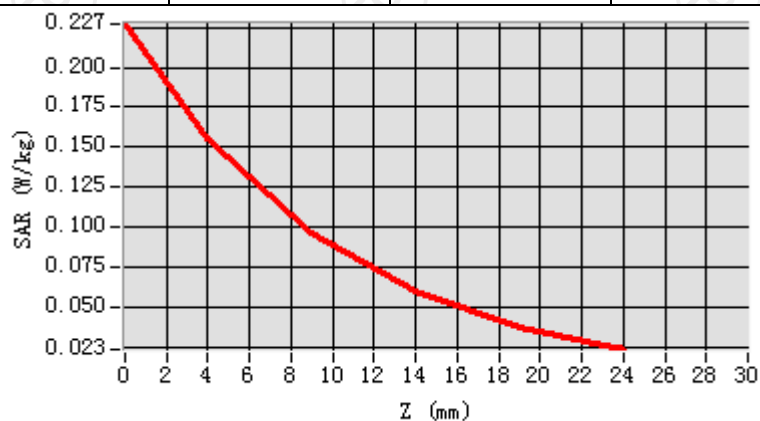
0.087086

SAR 1g (W/Kg)

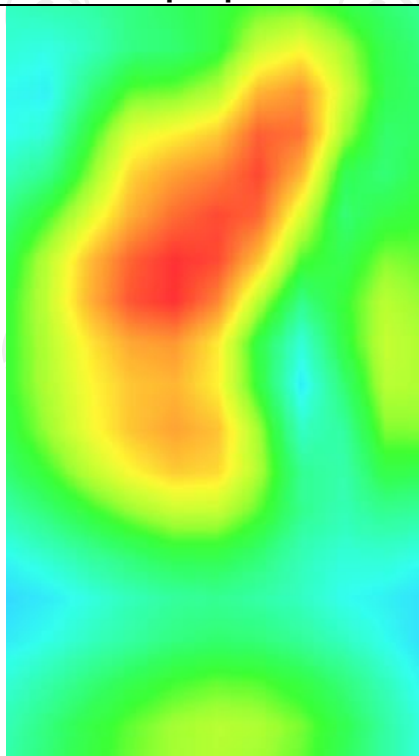
0.147186



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2279	0.1561	0.0964	0.0597	0.0379



Hot spot position



LTE Band 4

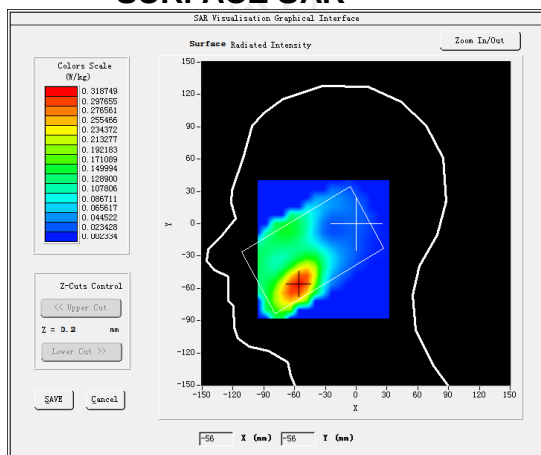
MEASUREMENT 1

Lower Band SAR (Channel 20050):

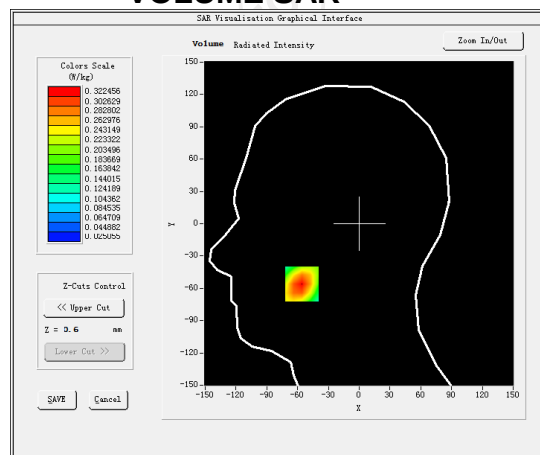
Date: 03/19/2018

Frequency (MHz)	1720.000000
Relative permittivity (real part)	39.101249
Relative permittivity (imaginary part)	12.468850
Conductivity (S/m)	1.350792
Variation (%)	-0.620000
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>Left head</u>
Device Position	<u>Cheek</u>
Band	<u>LTE band 4(1 RB#0)</u>

SURFACE SAR



VOLUME SAR



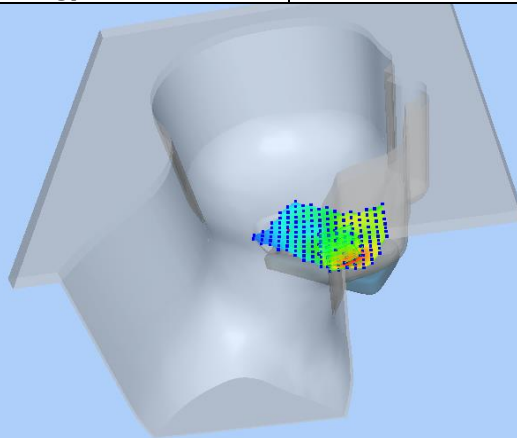
Maximum location: X=-56.00, Y=-56.00 SAR Peak: 0.44 W/kg

SAR 10g (W/Kg)

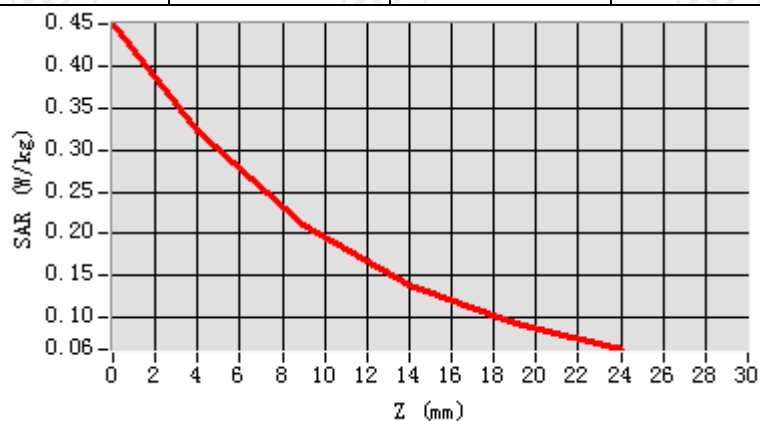
0.096468

SAR 1g (W/Kg)

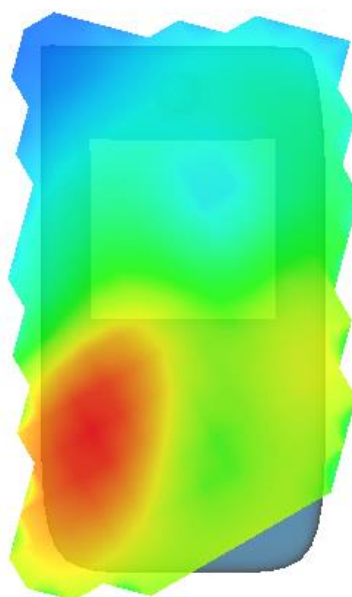
0.149027



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4497	0.3225	0.2112	0.1397	0.0943



Hot spot position



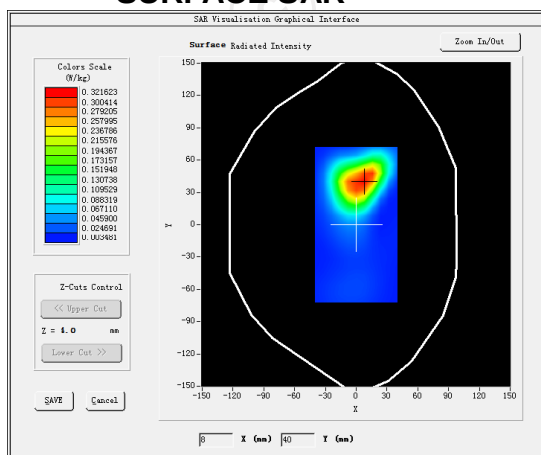
MEASUREMENT 2

Lower Band SAR (Channel 20050):

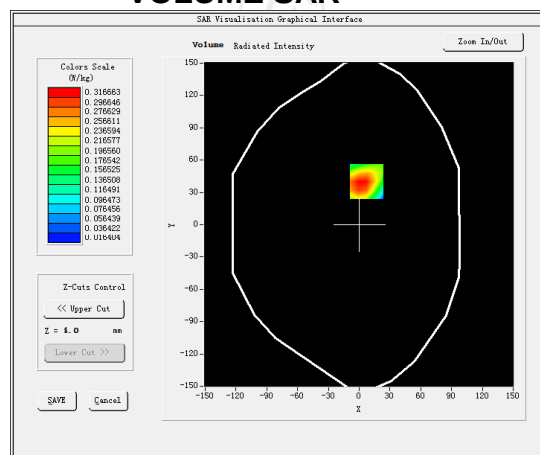
Date: 03/19/2018

Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.321249
Relative permittivity (imaginary part)	12.468850
Conductivity (S/m)	1.502592
Variation (%)	-1.550000
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=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>LTE band 4(1 RB#0)</u>

SURFACE SAR



VOLUME SAR



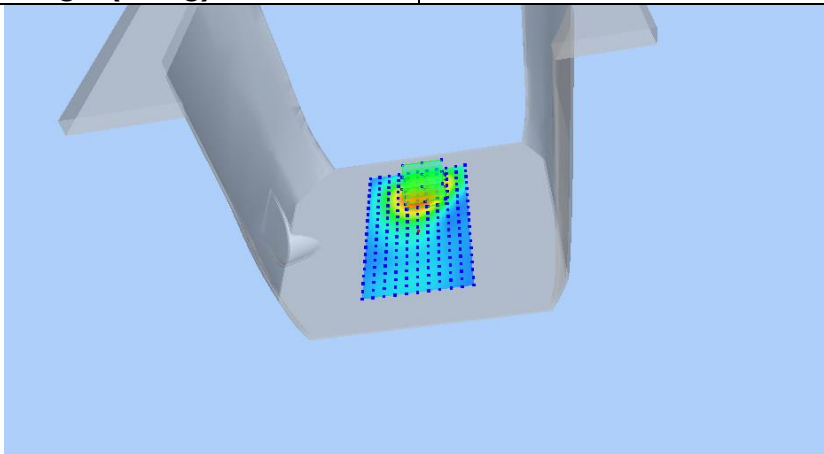
Maximum location: X=7.00, Y=40.00 SAR Peak: 0.44 W/kg

SAR 10g (W/Kg)

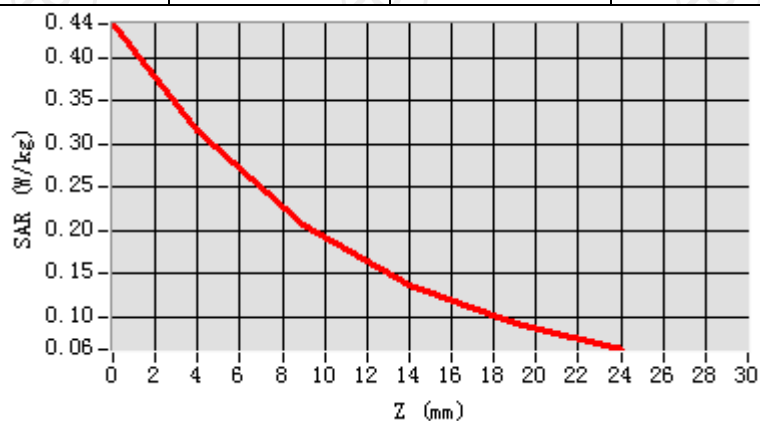
0.172367

SAR 1g (W/Kg)

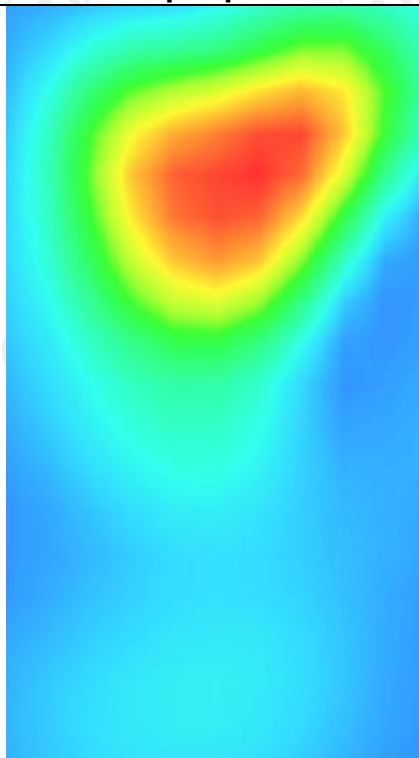
0.294704



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4310	0.3132	0.2053	0.1354	0.0919



Hot spot position



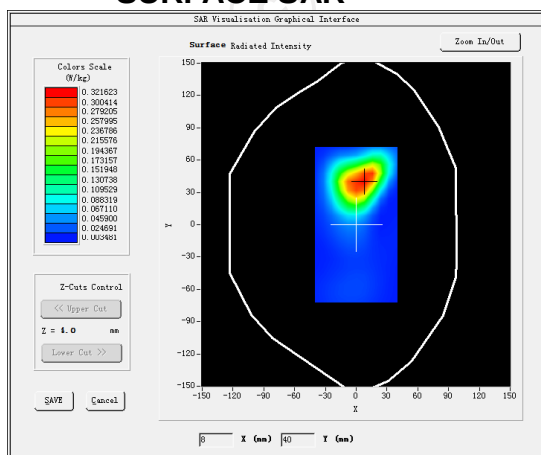
MEASUREMENT 3

Lower Band SAR (Channel 20050):

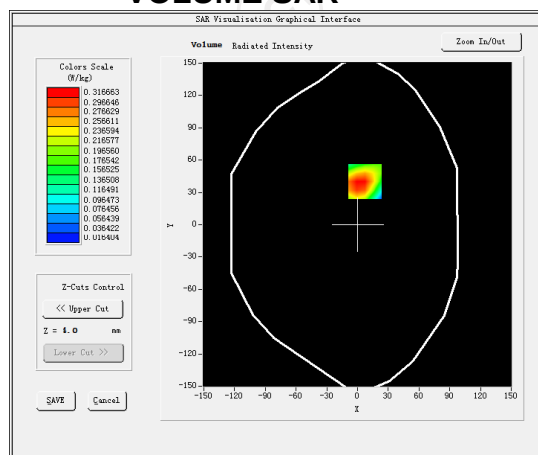
Date: 03/19/2018

Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.321249
Relative permittivity (imaginary part)	12.468850
Conductivity (S/m)	1.502592
Variation (%)	-0.840000
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=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body front(hotspot 10mm)</u>
Band	<u>LTE band 4(1 RB#0)</u>

SURFACE SAR



VOLUME SAR



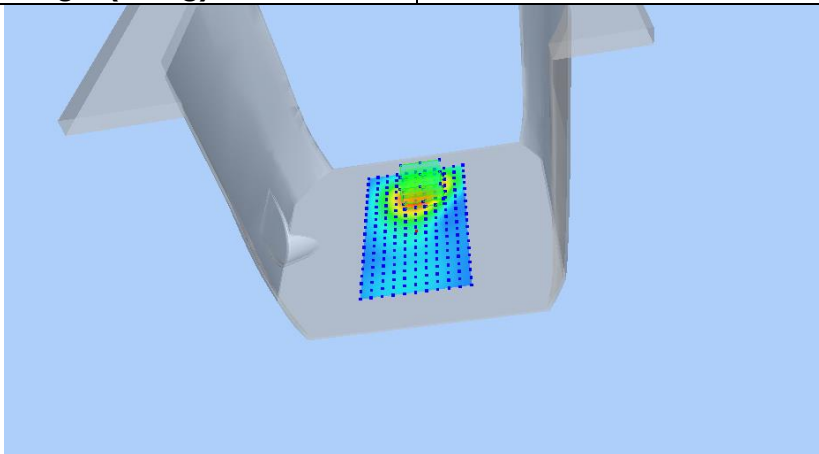
Maximum location: X=7.00, Y=40.00 SAR Peak: 0.46 W/kg

SAR 10g (W/Kg)

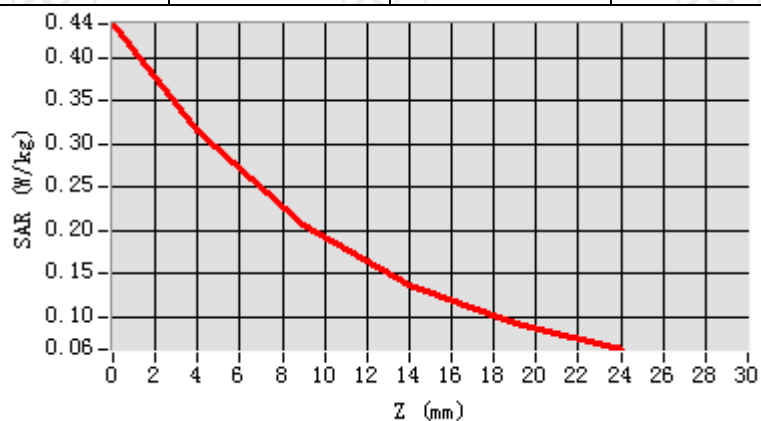
0.186987

SAR 1g (W/Kg)

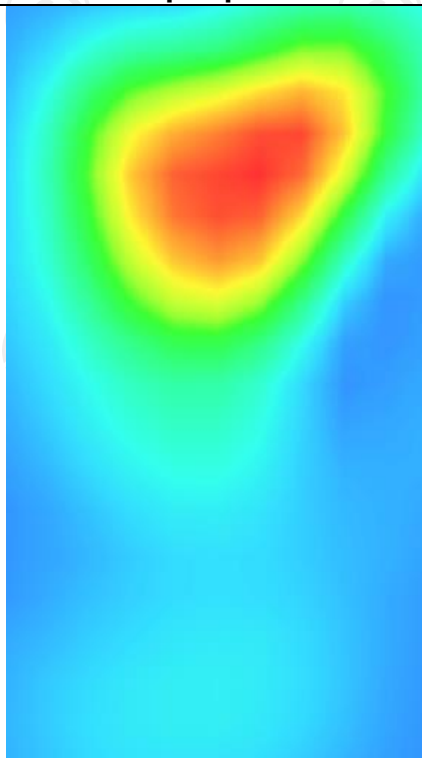
0.306145



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4392	0.3149	0.2064	0.1367	0.0925

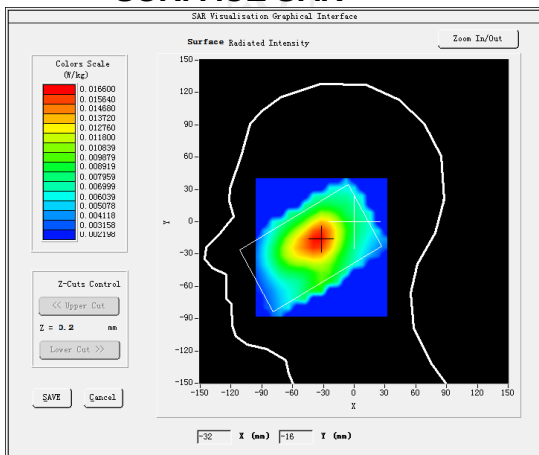
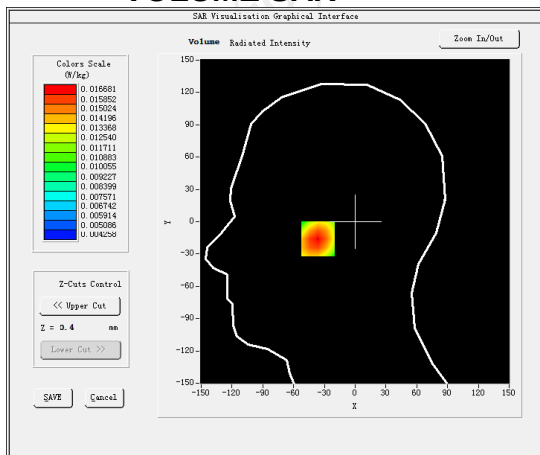


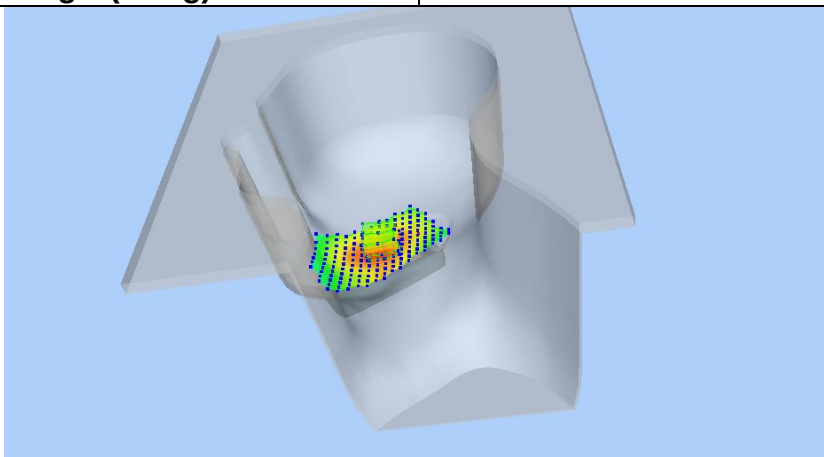
Hot spot position



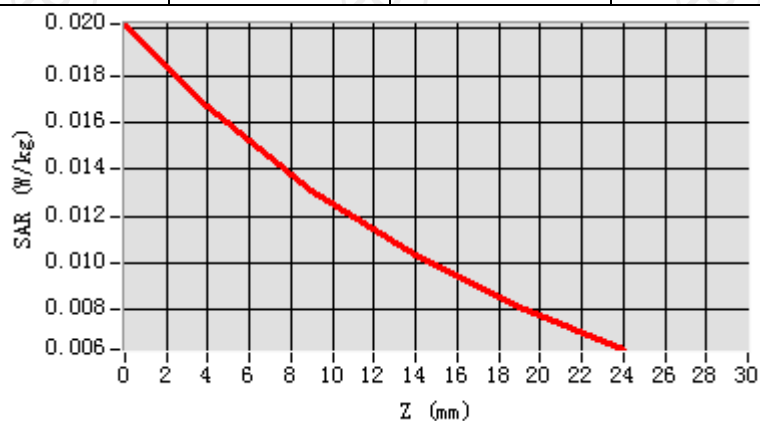
LTE Band 5

MEASUREMENT 1

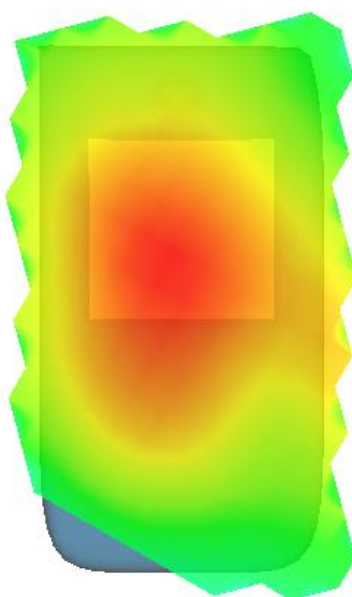
Lower Band SAR (Channel 20425):		Date: 03/14/2018
Frequency (MHz)	826.500000	
Relative permittivity (real part)	41.432964	
Relative permittivity (imaginary part)	12.468361	
Conductivity (S/m)	0.863910	
Variation (%)	-0.170000	
Crest Factor	1.0	
Probe Conversion factor	4.38	
E-Field Probe:	SSE5 (SN 07/15 EP248)	
Area Scan	dx=8mm dy=8mm, h= 5.00 mm	
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete/ndx=8mm dy=8mm, h= 5.00 mm	
Phantom	Right head	
Device Position	Cheek	
Band	LTE band 5(1 RB#0)	
SURFACE SAR		VOLUME SAR
		
Maximum location: X=-34.00, Y=-16.00 SAR Peak: 0.02 W/kg		
SAR 10g (W/Kg)		0.011938
SAR 1g (W/Kg)		0.016066



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0202	0.0167	0.0131	0.0103	0.0081



Hot spot position



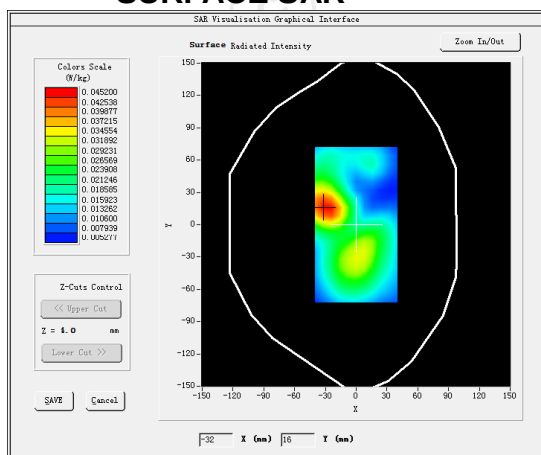
MEASUREMENT 2

Lower Band SAR (Channel 20425):

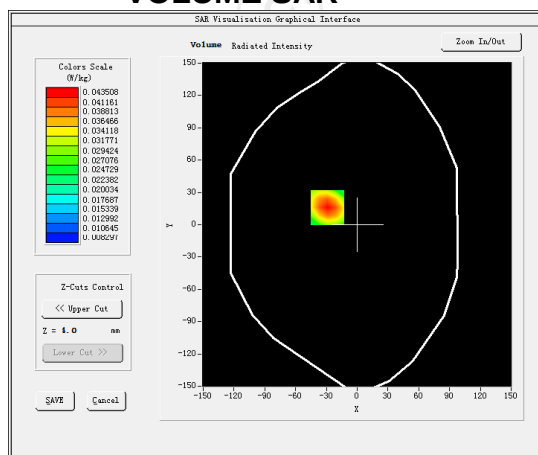
Date: 03/14/2018

Frequency (MHz)	826.500000
Relative permittivity (real part)	55.263771
Relative permittivity (imaginary part)	12.468320
Conductivity (S/m)	0.933843
Variation (%)	-1.560000
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=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(10mm)</u>
Band	<u>LTE band 5(1 RB#0)</u>

SURFACE SAR



VOLUME SAR



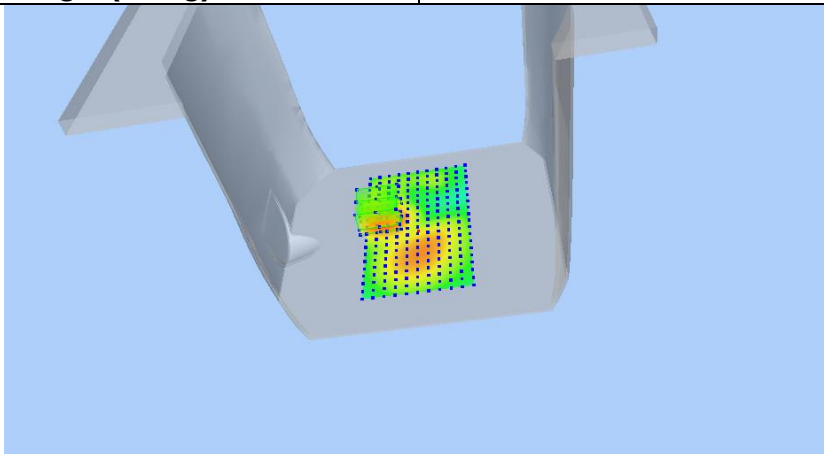
Maximum location: X=-29.00, Y=16.00 SAR Peak: 0.06 W/kg

SAR 10g (W/Kg)

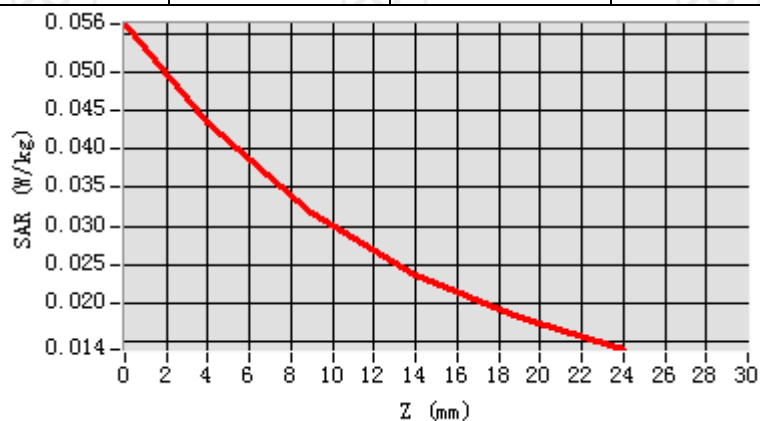
0.028949

SAR 1g (W/Kg)

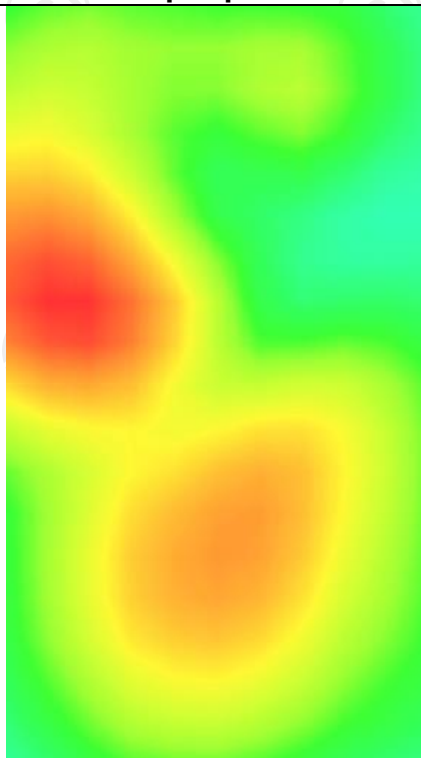
0.041683



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0563	0.0435	0.0317	0.0236	0.0181



Hot spot position



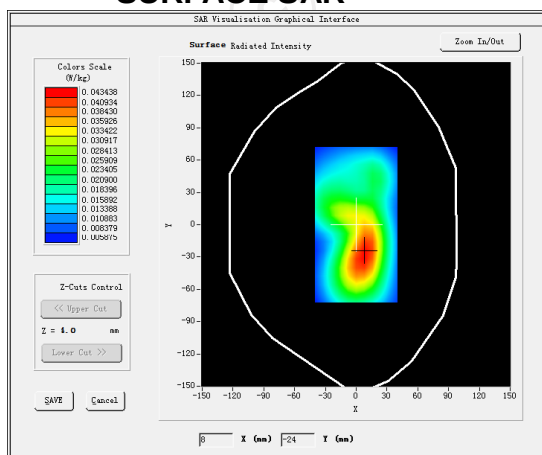
MEASUREMENT 3

Lower Band SAR (Channel 20425):

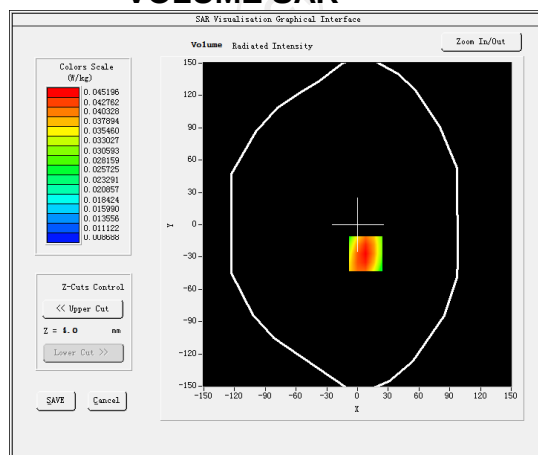
Date: 03/14/2018

Frequency (MHz)	826.500000
Relative permittivity (real part)	55.263771
Relative permittivity (imaginary part)	12.468320
Conductivity (S/m)	0.933843
Variation (%)	2.010000
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=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(hotspot 10mm)</u>
Band	<u>LTE band 5(1 RB#0)</u>

SURFACE SAR



VOLUME SAR



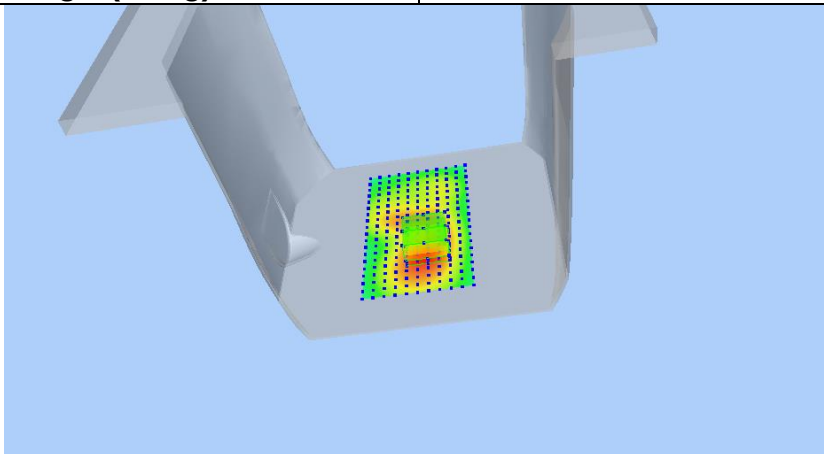
Maximum location: X=8.00, Y=-27.00 SAR Peak: 0.06 W/kg

SAR 10g (W/Kg)

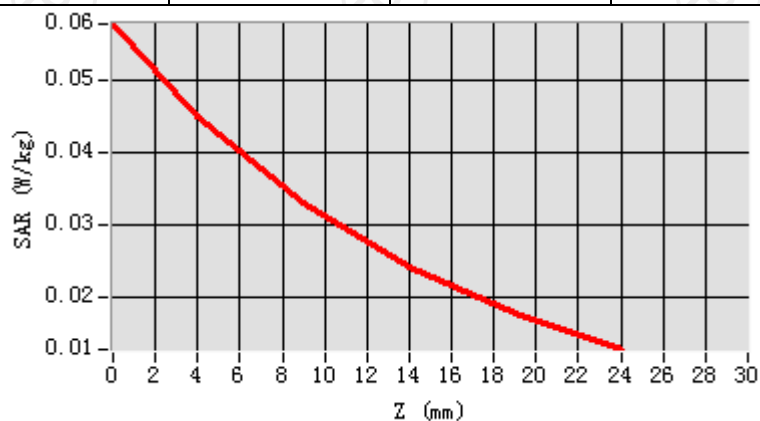
0.030143

SAR 1g (W/Kg)

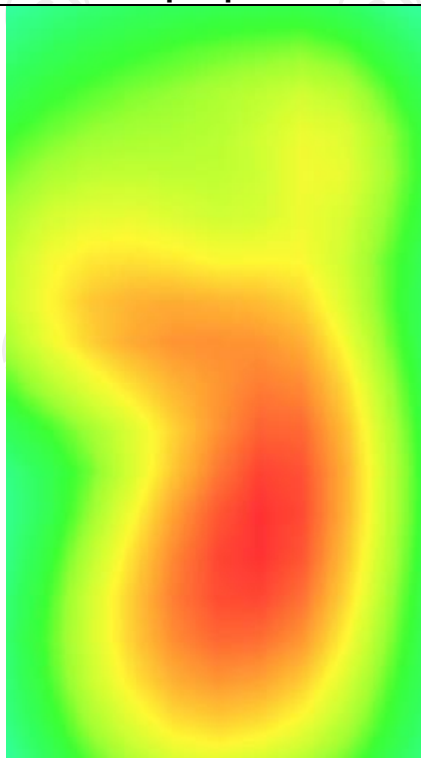
0.043287



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.0578	0.0452	0.0331	0.0243	0.0179



Hot spot position

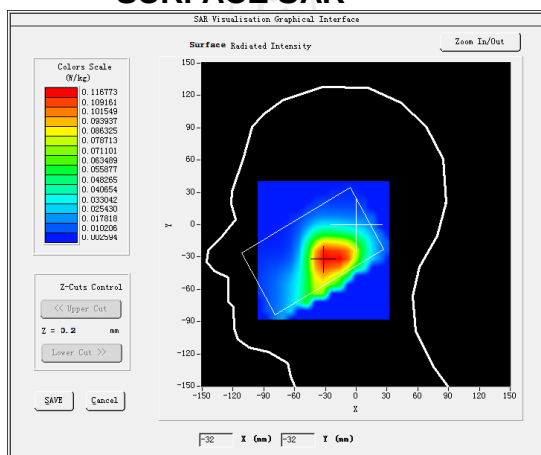


WLAN 2.4

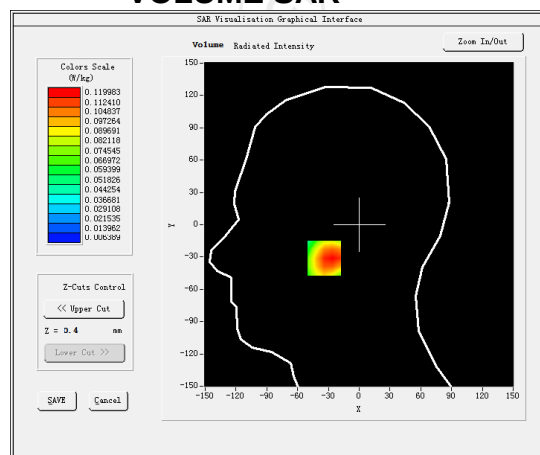
MEASUREMENT 1

Middle Band SAR (Channel 6):		Date: 03/27/2018
Frequency (MHz)	2437.000000	
Relative permittivity (real part)	37.821613	
Relative permittivity (imaginary part)	13.546980	
Conductivity (S/m)	1.834111	
Variation (%)	-2.050000	
Crest Factor	1.0	
Probe Conversion factor	4.58	
E-Field Probe:	SSE5 (SN 07/15 EP248)	
Area Scan	dx=8mm dy=8mm, h= 5.00 mm	
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm	
Phantom	Right head	
Device Position	Cheek	
Band	IEEE 802.11b ISM	

SURFACE SAR



VOLUME SAR



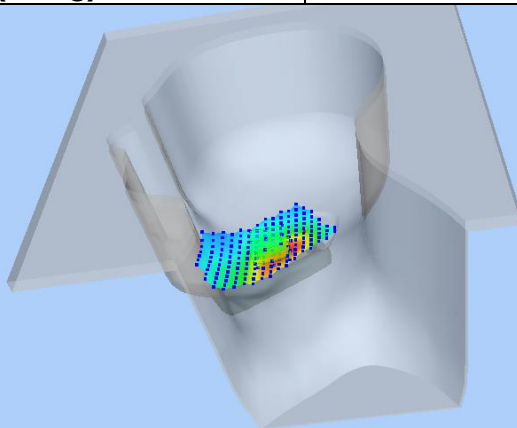
Maximum location: X=-29.00, Y=-31.00 SAR Peak: 0.19 W/kg

SAR 10g (W/Kg)

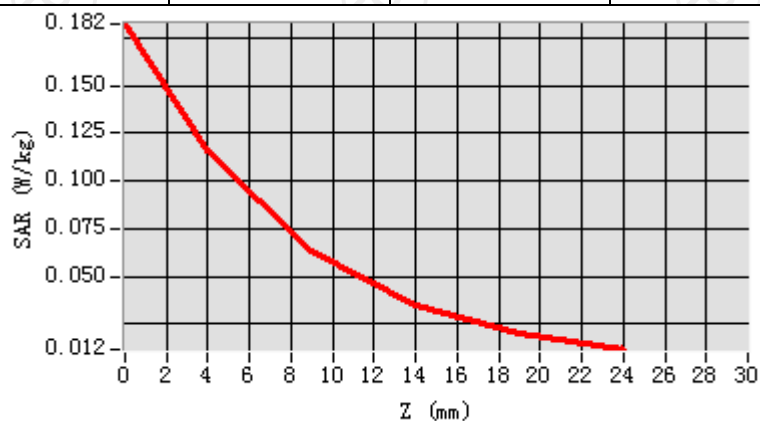
0.066147

SAR 1g (W/Kg)

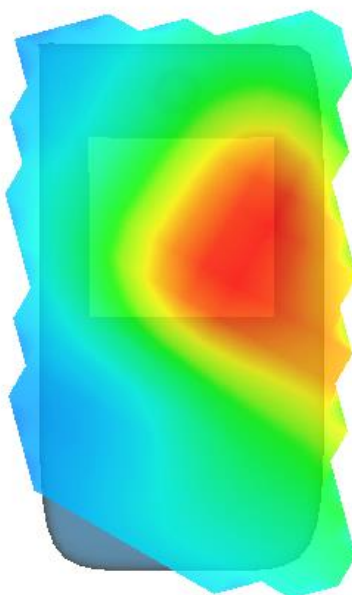
0.113296



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.1824	0.1157	0.0637	0.0353	0.0205



Hot spot position



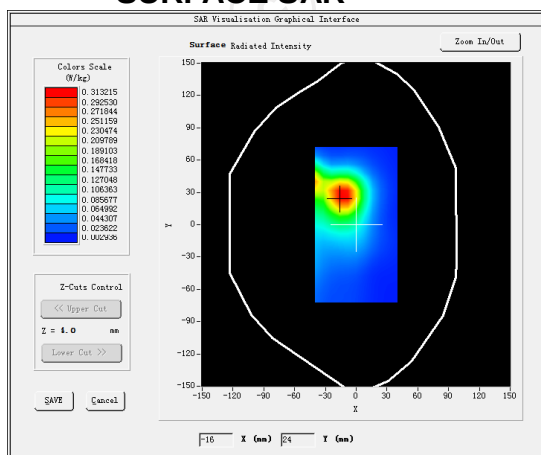
MEASUREMENT 2

Middle Band SAR (Channel 6):

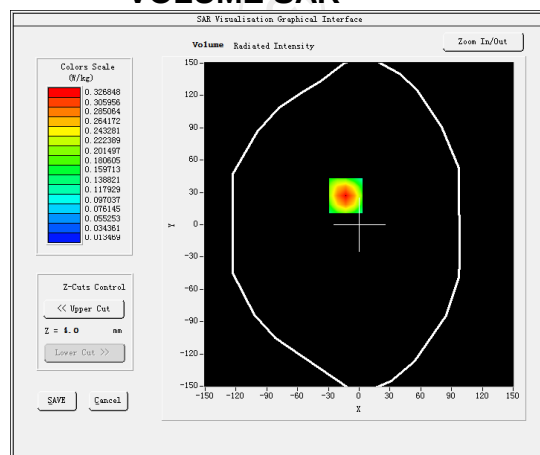
Date: 03/27/2018

Frequency (MHz)	2437.000000
Relative permittivity (real part)	54.616199
Relative permittivity (imaginary part)	14.930150
Conductivity (S/m)	2.012159
Variation (%)	-0.310000
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=</u> <u>5.00 mm</u>
Phantom	Validation plane
Device Position	Body back(10mm)
Band	<u>IEEE 802.11b ISM</u>

SURFACE SAR



VOLUME SAR



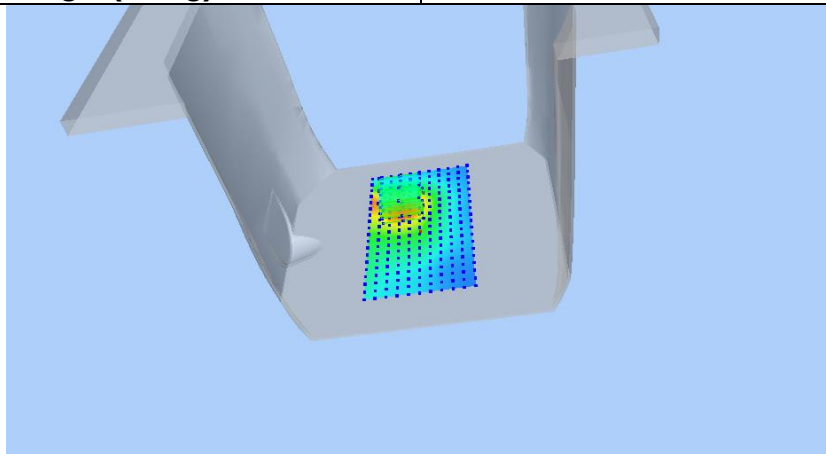
Maximum location: X=-13.00, Y=27.00 SAR Peak: 0.51 W/kg

SAR 10g (W/Kg)

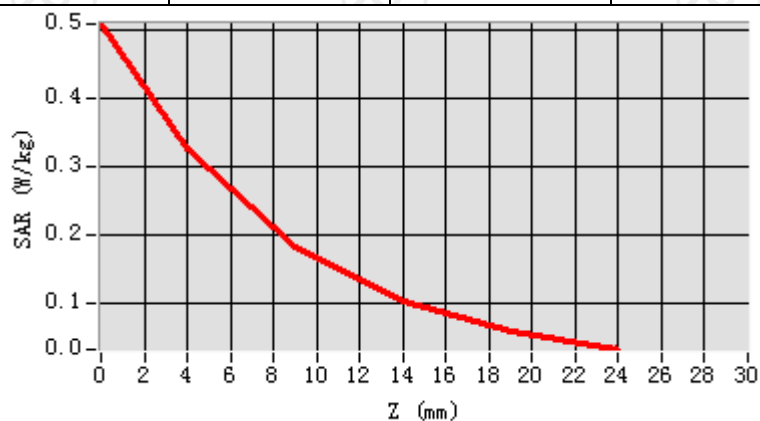
0.115433

SAR 1g (W/Kg)

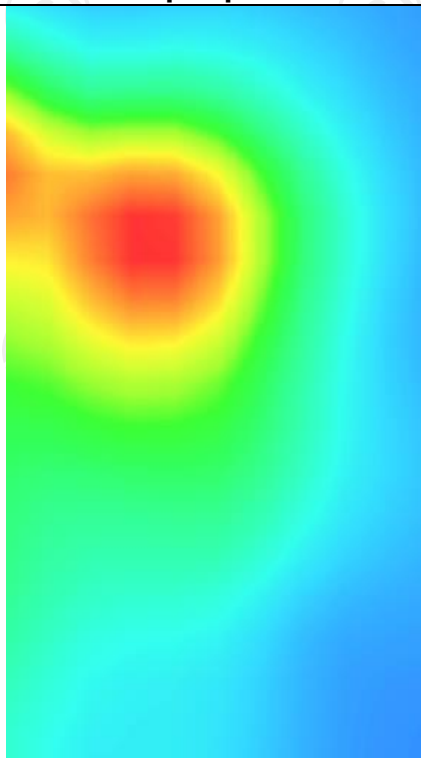
0.231327



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5094	0.3268	0.1822	0.1010	0.0573



Hot spot position



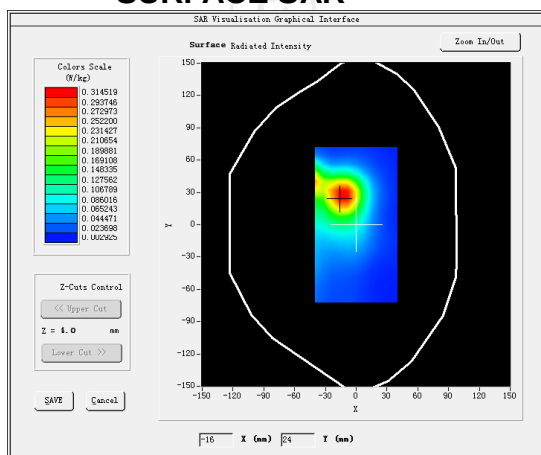
MEASUREMENT 3

Middle Band SAR (Channel 6):

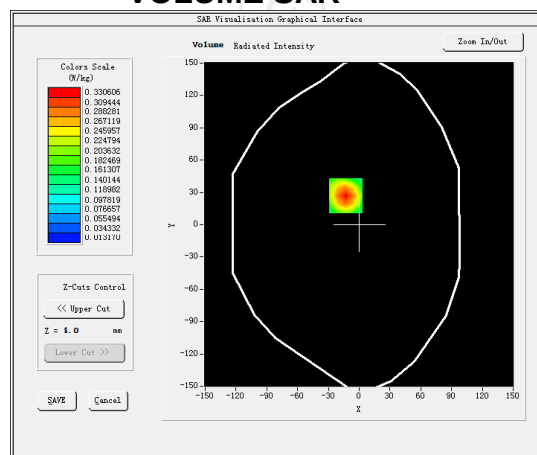
Date: 03/27/2018

Frequency (MHz)	2437.000000
Relative permittivity (real part)	54.616199
Relative permittivity (imaginary part)	14.930150
Conductivity (S/m)	2.012159
Variation (%)	-0.440000
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=</u> <u>5.00 mm</u>
Phantom	Validation plane
Device Position	Body back(10mm)
Band	<u>IEEE 802.11b ISM(hotspot)</u>

SURFACE SAR



VOLUME SAR



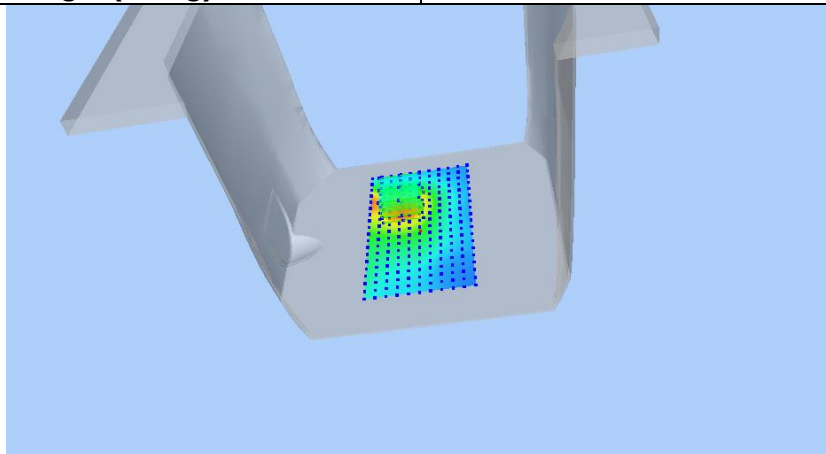
Maximum location: X=-13.00, Y=27.00 SAR Peak: 0.51 W/kg

SAR 10g (W/Kg)

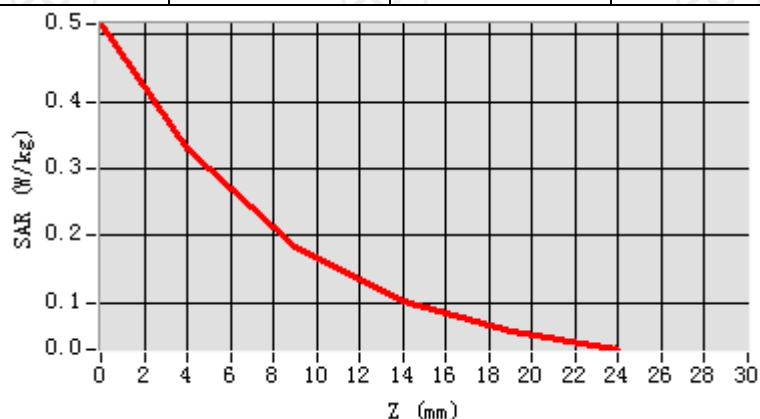
0.136351

SAR 1g (W/Kg)

0.238121



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5150	0.3306	0.1844	0.1021	0.0579



Hot spot position

