

Annex C Graph Test Results



BAND	<u>PARAMETERS</u>
<p><u>LTE Band2</u> <u>20MHz</u> <u>-1RB</u></p>	<p><u>Measurement 1:</u> Flat Plane with EUT on Low Channel in QPSK mode Horizontal-Up</p> <p><u>Measurement 2:</u> Flat Plane with EUT on Low Channel in QPSK mode Horizontal-Down</p> <p><u>Measurement 3:</u> Flat Plane with EUT on Middle Channel in QPSK mode Horizontal-Down</p> <p><u>Measurement 4:</u> Flat Plane with EUT on High Channel in QPSK mode Horizontal-Down</p> <p><u>Measurement 5:</u> Flat Plane with EUT on Low Channel in QPSK mode Vertical-Front</p> <p><u>Measurement 6:</u> Flat Plane with EUT on Low Channel in QPSK mode Vertical-Back</p> <p><u>Measurement 7:</u> Flat Plane with EUT on Low Channel in QPSK mode Dongle-Tip</p>
<p><u>LTE Band2</u> <u>20MHz</u> <u>-50RB</u></p>	<p><u>Measurement 8:</u> Flat Plane with EUT on Low Channel in QPSK mode Horizontal-Up</p> <p><u>Measurement 9:</u> Flat Plane with EUT on Low Channel in QPSK mode Horizontal-Down</p> <p><u>Measurement 10:</u> Flat Plane with EUT on Low Channel in QPSK mode Vertical-Front</p> <p><u>Measurement 11:</u> Flat Plane with EUT on Low Channel in QPSK mode Vertical-Back</p> <p><u>Measurement 12:</u> Flat Plane with EUT on Low Channel in QPSK mode Dongle-Tip</p>
<p><u>LTE Band2</u> <u>20MHz</u></p>	<p><u>Measurement 13:</u> Flat Plane with EUT on Low Channel in QPSK mode Horizontal-Down (100%RB)</p>
<p><u>LTE Band4</u> <u>20MHz</u> <u>-1RB</u></p>	<p><u>Measurement 14:</u> Flat Plane with EUT on Low Channel in QPSK mode Horizontal-Up</p> <p><u>Measurement 15:</u> Flat Plane with EUT on Low Channel in QPSK mode Horizontal-Down</p> <p><u>Measurement 16:</u> Flat Plane with EUT on Low Channel in QPSK mode Vertical-Front</p> <p><u>Measurement 17:</u> Flat Plane with EUT on Low Channel in QPSK mode Vertical-Back</p> <p><u>Measurement 18:</u> Flat Plane with EUT on Low Channel in QPSK mode Dongle-Tip</p>
<p><u>LTE Band4</u> <u>20MHz</u> <u>-50RB</u></p>	<p><u>Measurement 19:</u> Flat Plane with EUT on Middle Channel in QPSK mode Horizontal-Up</p>

	<p><u>Measurement 20:</u> Flat Plane with EUT on Middle Channel in QPSK mode Horizontal-Down</p> <p><u>Measurement 21:</u> Flat Plane with EUT on Middle Channel in QPSK mode Vertical-Front</p> <p><u>Measurement 22:</u> Flat Plane with EUT on Middle Channel in QPSK mode Vertical-Back</p> <p><u>Measurement 23:</u> Flat Plane with EUT on Middle Channel in QPSK mode Dongle-Tip</p>
<p><u>LTE Band5</u> <u>10MHz</u> <u>-1RB</u></p>	<p><u>Measurement 24:</u> Flat Plane with EUT on Low Channel in QPSK mode Horizontal-Up</p> <p><u>Measurement 25:</u> Flat Plane with EUT on Low Channel in QPSK mode Horizontal-Down</p> <p><u>Measurement 26:</u> Flat Plane with EUT on Low Channel in QPSK mode Vertical-Front</p> <p><u>Measurement 27:</u> Flat Plane with EUT on Low Channel in QPSK mode Vertical-Back</p> <p><u>Measurement 28:</u> Flat Plane with EUT on Low Channel in QPSK mode Dongle-Tip</p>
<p><u>LTE Band5</u> <u>10MHz</u> <u>-25RB</u></p>	<p><u>Measurement 29:</u> Flat Plane with EUT on Low Channel in QPSK mode Horizontal-Up</p> <p><u>Measurement 30:</u> Flat Plane with EUT on Low Channel in QPSK mode Horizontal-Down</p> <p><u>Measurement 31:</u> Flat Plane with EUT on Low Channel in QPSK mode Vertical-Front</p> <p><u>Measurement 32:</u> Flat Plane with EUT on Low Channel in QPSK mode Vertical-Back</p> <p><u>Measurement 33:</u> Flat Plane with EUT on Low Channel in QPSK mode Dongle-Tip</p>
<p><u>LTE Band17</u> <u>10MHz</u> <u>-25RB</u></p>	<p><u>Measurement 34:</u> Flat Plane with EUT on High Channel in QPSK mode Horizontal-Up</p> <p><u>Measurement 35:</u> Flat Plane with EUT on High Channel in QPSK mode Horizontal-Down</p> <p><u>Measurement 36:</u> Flat Plane with EUT on High Channel in QPSK mode Vertical-Front</p> <p><u>Measurement 37:</u> Flat Plane with EUT on High Channel in QPSK mode Vertical-Back</p> <p><u>Measurement 38:</u> Flat Plane with EUT on High Channel in QPSK mode Dongle-Tip</p>
<p><u>LTE Band17</u> <u>10MHz</u> <u>-25RB</u></p>	<p><u>Measurement 39:</u> Flat Plane with EUT on Low Channel in QPSK mode Horizontal-Up</p> <p><u>Measurement 40:</u> Flat Plane with EUT on Low Channel in QPSK mode Horizontal-Down</p> <p><u>Measurement 41:</u> Flat Plane with EUT on Low Channel in QPSK mode Vertical-Front</p>

Measurement 42: Flat Plane with EUT on Low Channel in QPSK mode **Vertical-Back**

Measurement 43: Flat Plane with EUT on Low Channel in QPSK mode **Dongle-Tip**

MEASUREMENT 1

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

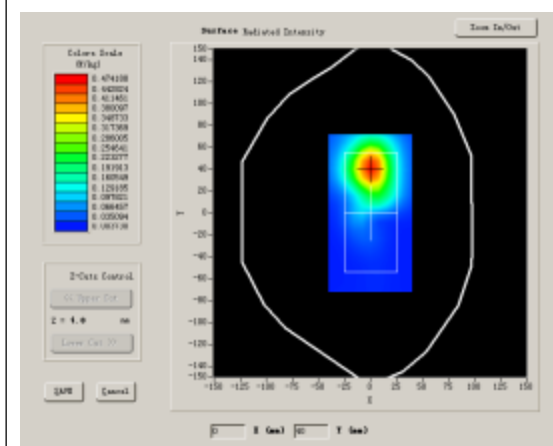
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band2 (20MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

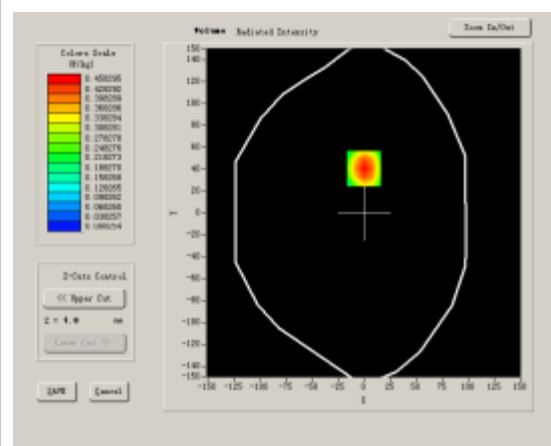
Lower Band SAR (Channel 18700):

Frequency (MHz)	1860.000000
Relative permittivity (real part)	53.210000
Conductivity (S/m)	1.510000
Power drift (%)	-0.800000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	40.625,34.773,38.535
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



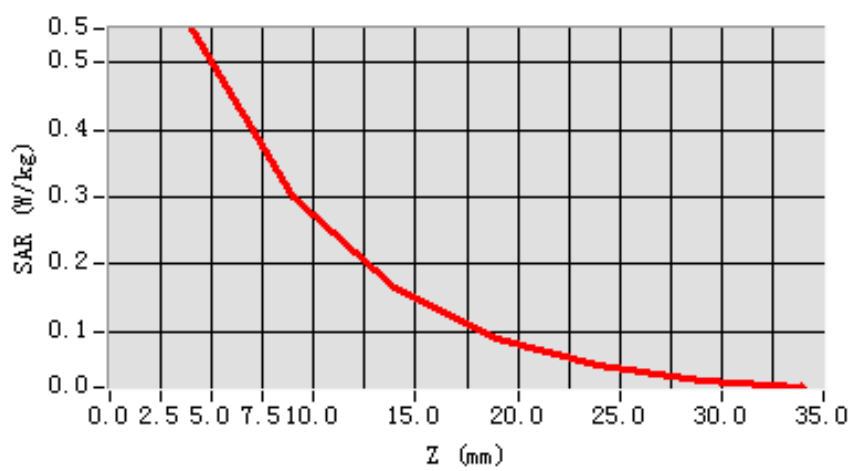
Maximum location: X=0.00, Y=41.00

SAR 10g (W/Kg)	0.287865
SAR 1g (W/Kg)	0.523160

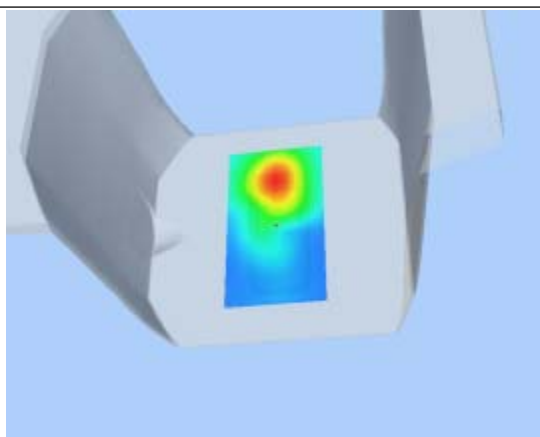
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.5500	0.3006	0.1638	0.0891	0.0491	0.0278

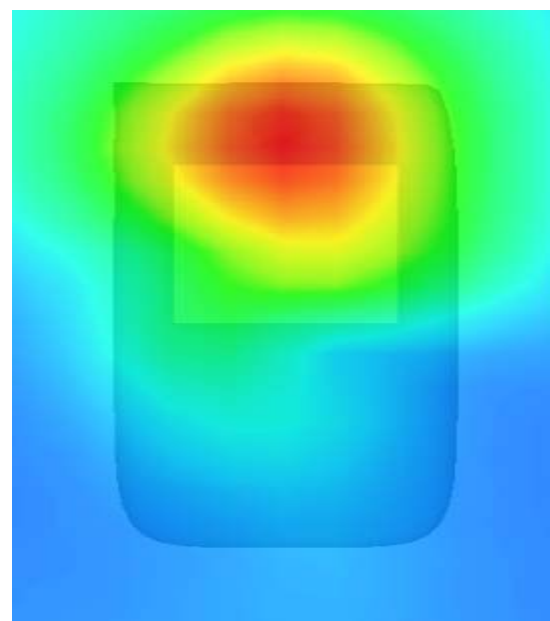
SAR, Z Axis Scan (X = 0, Y = 41)



3D scen shot



Hot spot position



MEASUREMENT 2

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

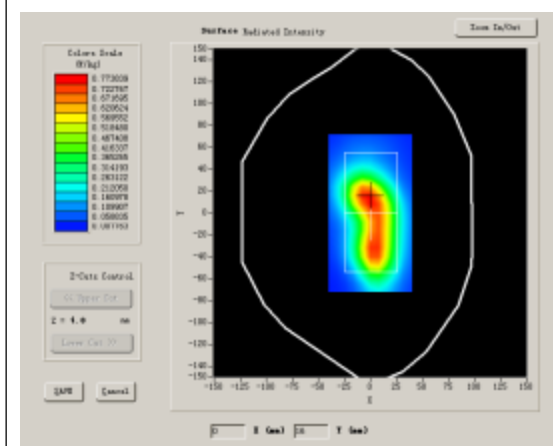
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band2 (20MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

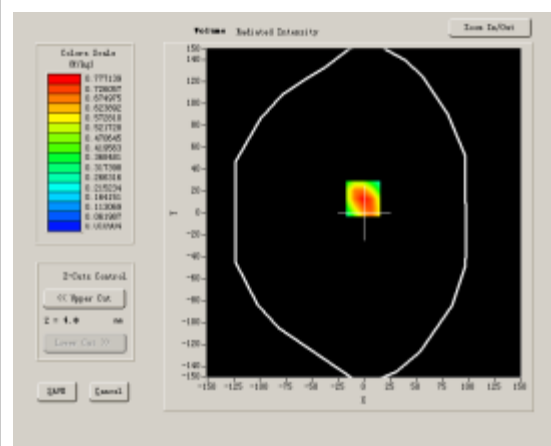
Lower Band SAR (Channel 18700):

Frequency (MHz)	1860.000000
Relative permittivity (real part)	53.210000
Conductivity (S/m)	1.510000
Power drift (%)	-1.210000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	40.625,34.773,38.535
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



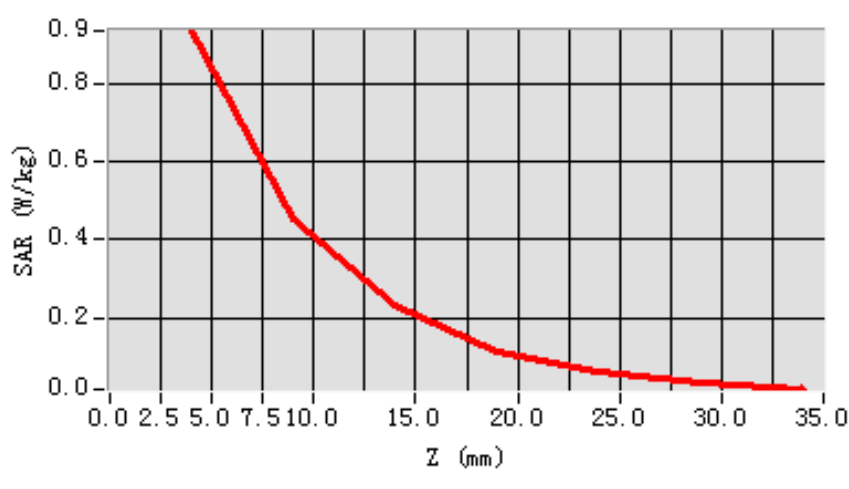
Maximum location: X=-1.00, Y=13.00

SAR 10g (W/Kg)	0.477588
SAR 1g (W/Kg)	0.869804

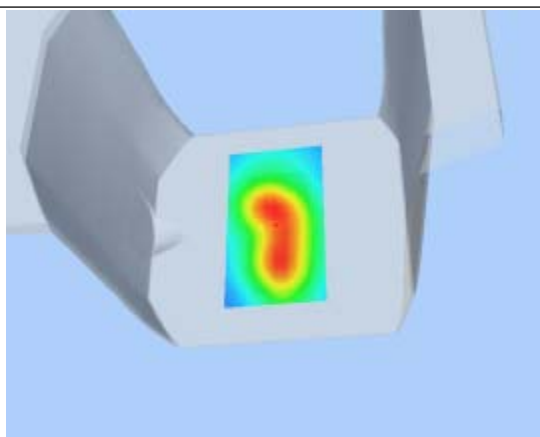
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.9326	0.4558	0.2329	0.1180	0.0617	0.0350

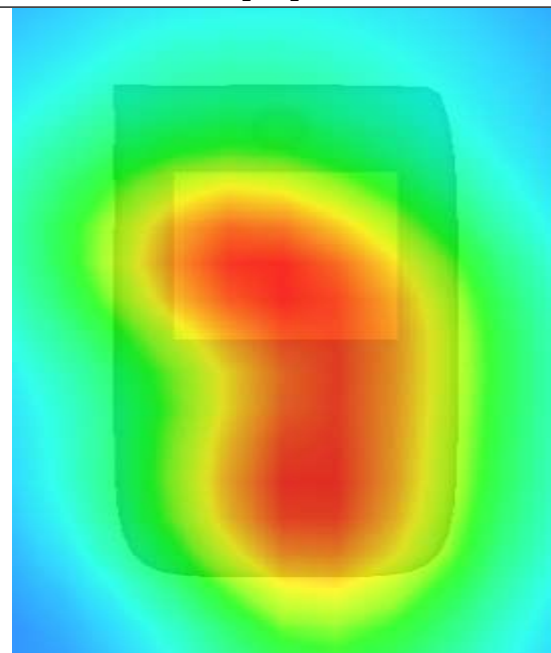
SAR, Z Axis Scan (X = -1, Y = 13)



3D scen shot



Hot spot position



MEASUREMENT 3

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

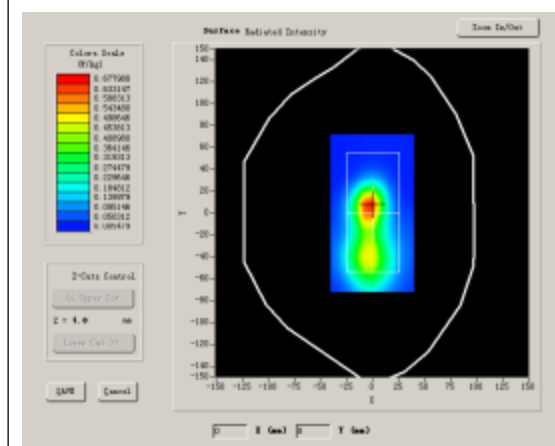
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band2 (20MHz)
Channels	Middle
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

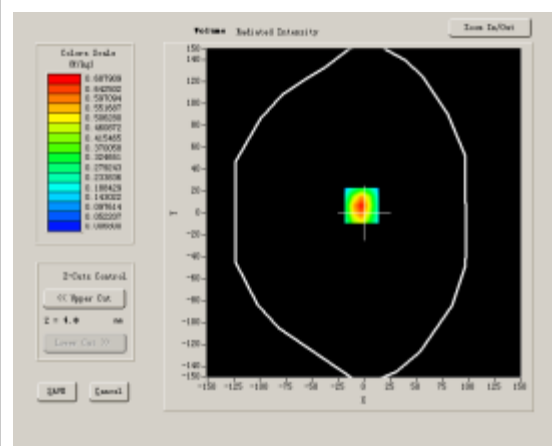
Middle Band SAR (Channel 18900):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	53.210000
Conductivity (S/m)	1.510000
Power drift (%)	-0.910000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	40.625,34.773,38.535
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



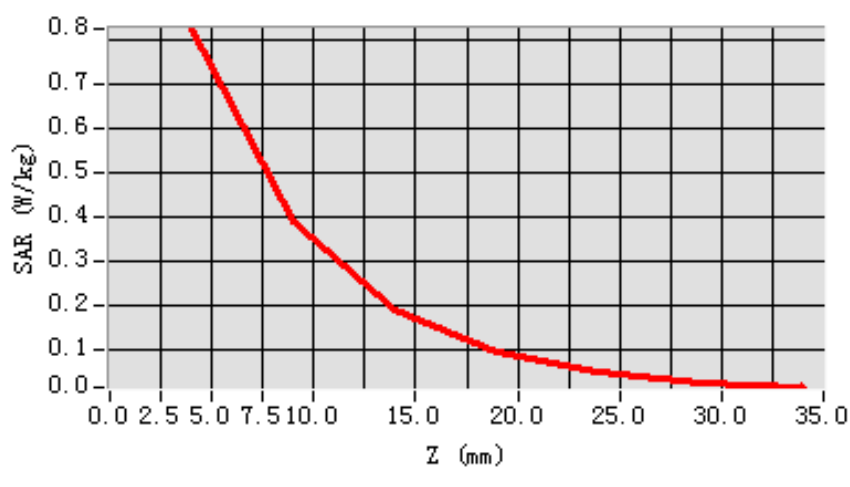
Maximum location: X=-2.00, Y=7.00

SAR 10g (W/Kg)	0.371468
SAR 1g (W/Kg)	0.766802

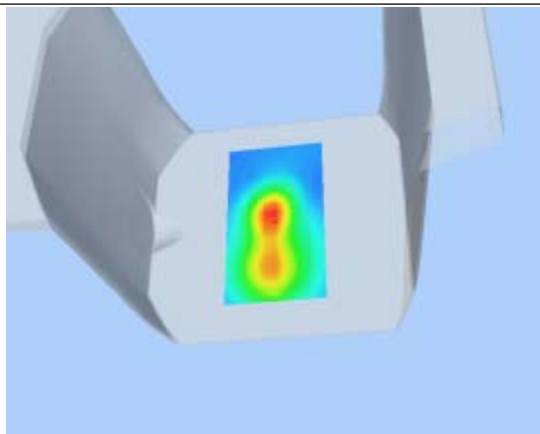
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.8255	0.3920	0.1917	0.0973	0.0503	0.0272

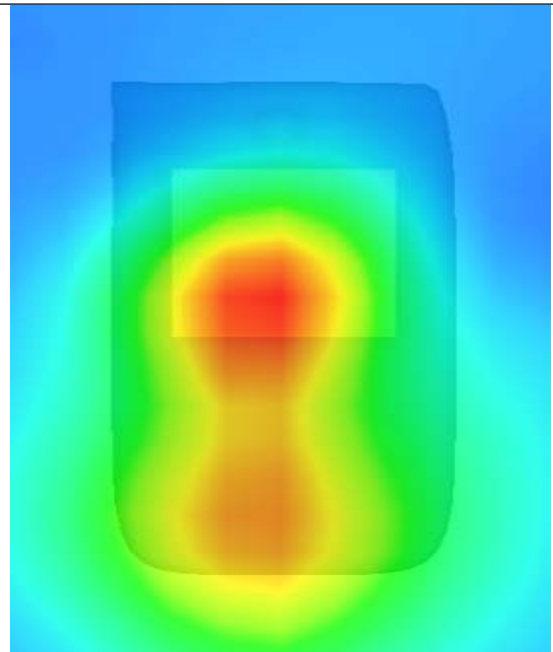
SAR, Z Axis Scan (X = -2, Y = 7)



3D scen shot



Hot spot position



MEASUREMENT 4

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

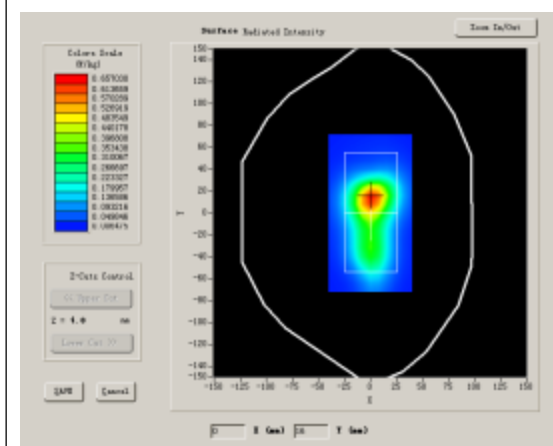
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band2 (20MHz)
Channels	High
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

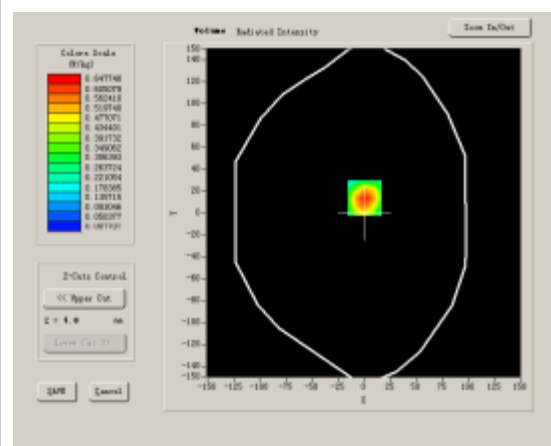
Higher Band SAR (Channel 19100):

Frequency (MHz)	1900.000000
Relative permittivity (real part)	53.210000
Conductivity (S/m)	1.510000
Power drift (%)	-1.100000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	40.625,34.773,38.535
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



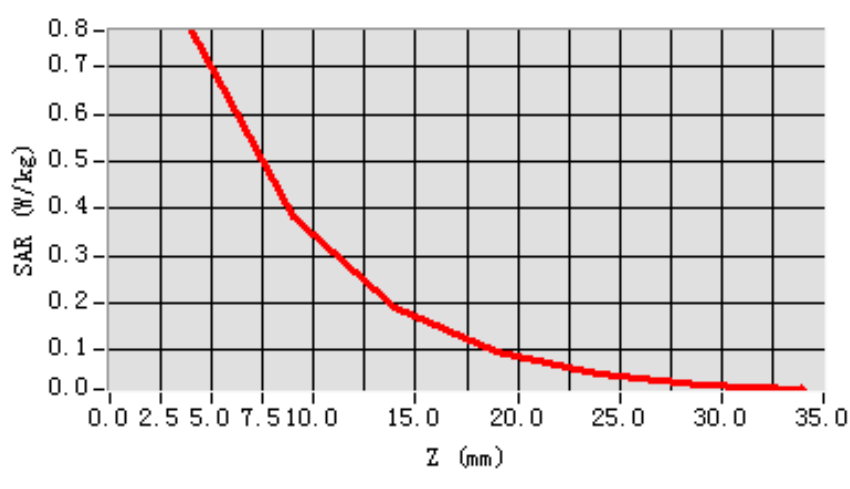
Maximum location: X=1.00, Y=14.00

SAR 10g (W/Kg)	0.375027
SAR 1g (W/Kg)	0.735902

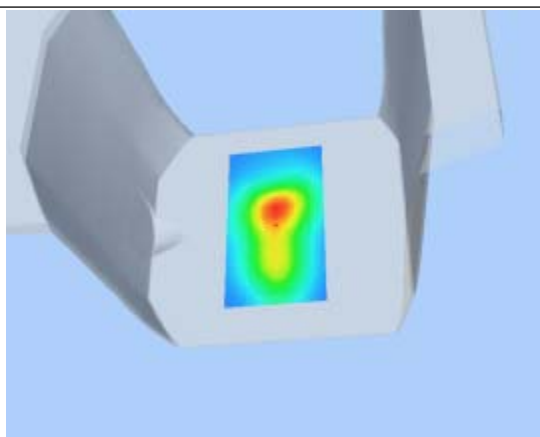
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.7773	0.3816	0.1901	0.0966	0.0503	0.0272

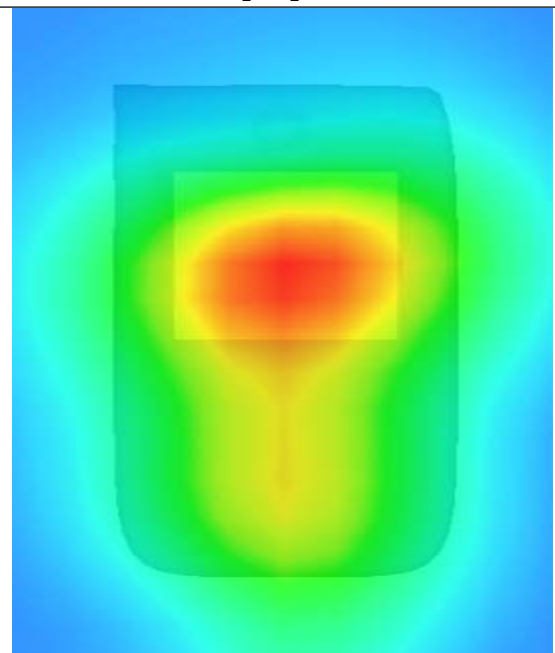
SAR, Z Axis Scan (X = 1, Y = 14)



3D scen shot



Hot spot position



MEASUREMENT 5

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 11 seconds

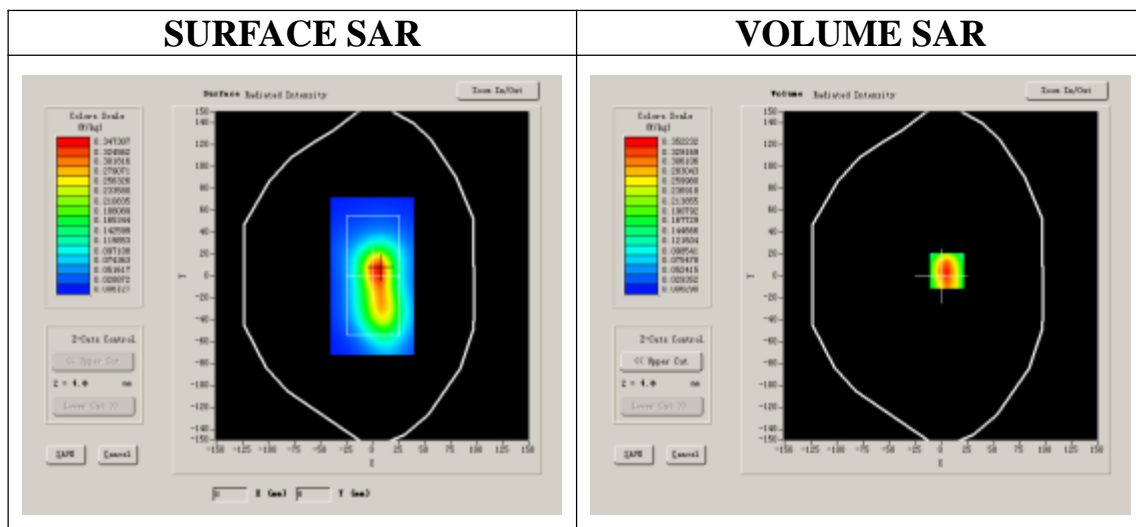
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band2 (20MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

Lower Band SAR (Channel 18700):

Frequency (MHz)	1860.000000
Relative permittivity (real part)	53.210000
Conductivity (S/m)	1.510000
Power drift (%)	-0.870000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	40.625,34.773,38.535
Crest factor:	1:1



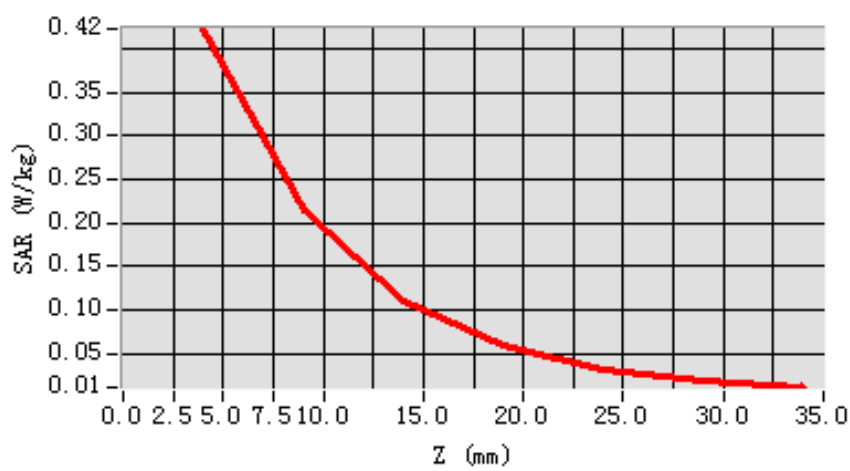
Maximum location: X=6.00, Y=5.00

SAR 10g (W/Kg)	0.207305
SAR 1g (W/Kg)	0.395772

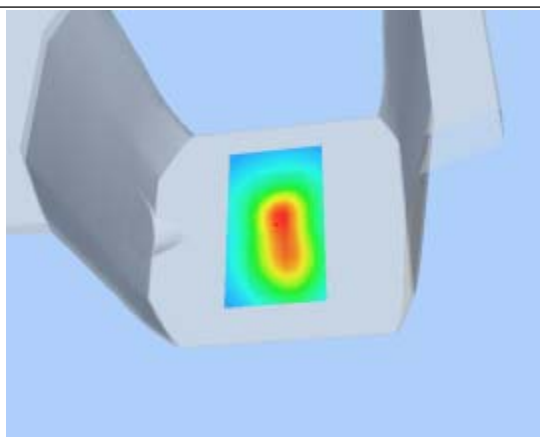
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.4227	0.2130	0.1094	0.0578	0.0308	0.0178

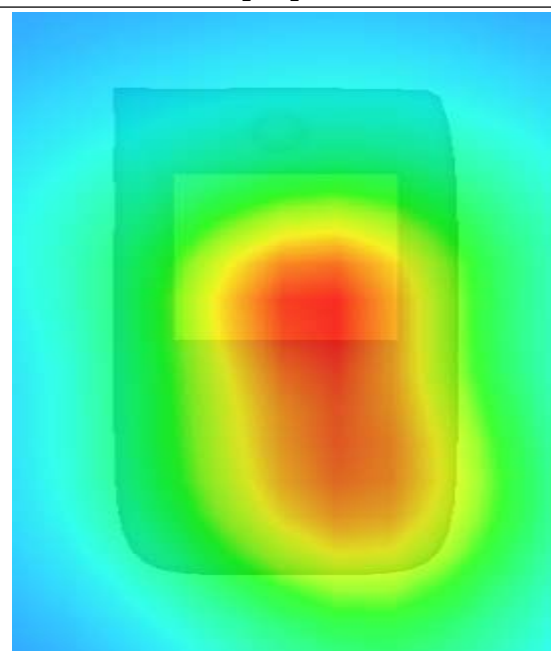
SAR, Z Axis Scan (X = 6, Y = 5)



3D scen shot



Hot spot position



MEASUREMENT 6

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

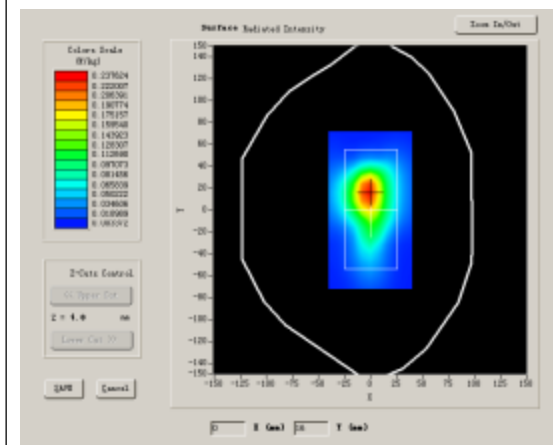
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band2 (20MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

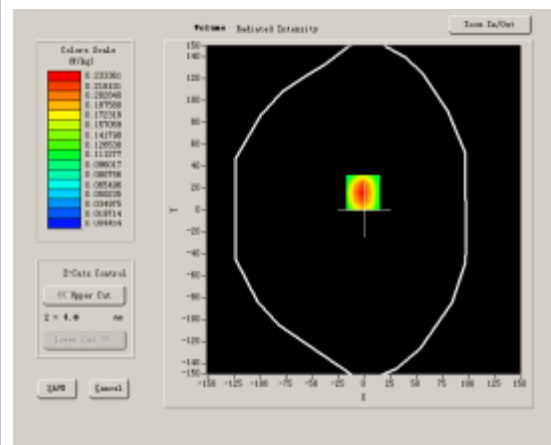
Lower Band SAR (Channel 18700):

Frequency (MHz)	1860.000000
Relative permittivity (real part)	53.210000
Conductivity (S/m)	1.510000
Power drift (%)	-0.460000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	40.625,34.773,38.535
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



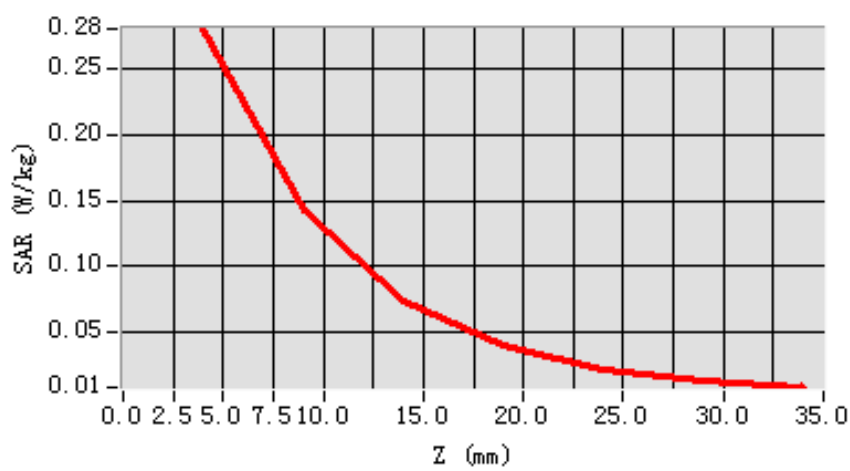
Maximum location: X=-1.00, Y=16.00

SAR 10g (W/Kg)	0.140725
SAR 1g (W/Kg)	0.265178

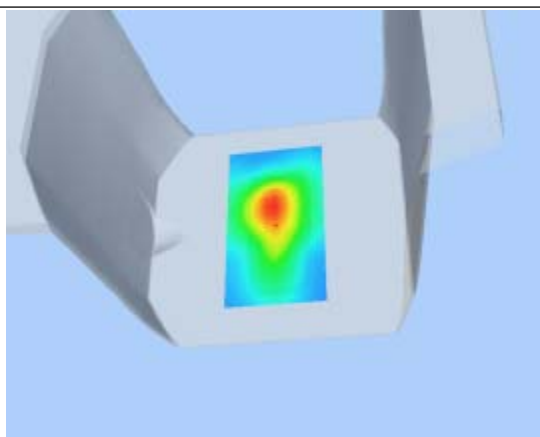
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.2801	0.1420	0.0737	0.0401	0.0218	0.0130

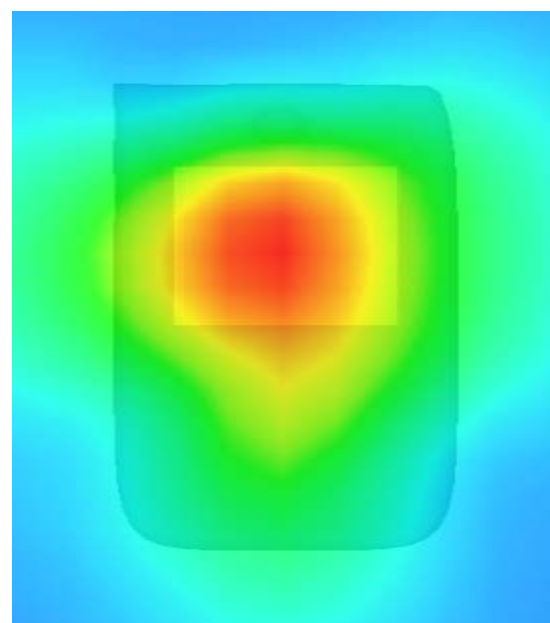
SAR, Z Axis Scan (X = -1, Y = 16)



3D scen shot



Hot spot position



MEASUREMENT 7

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 11 seconds

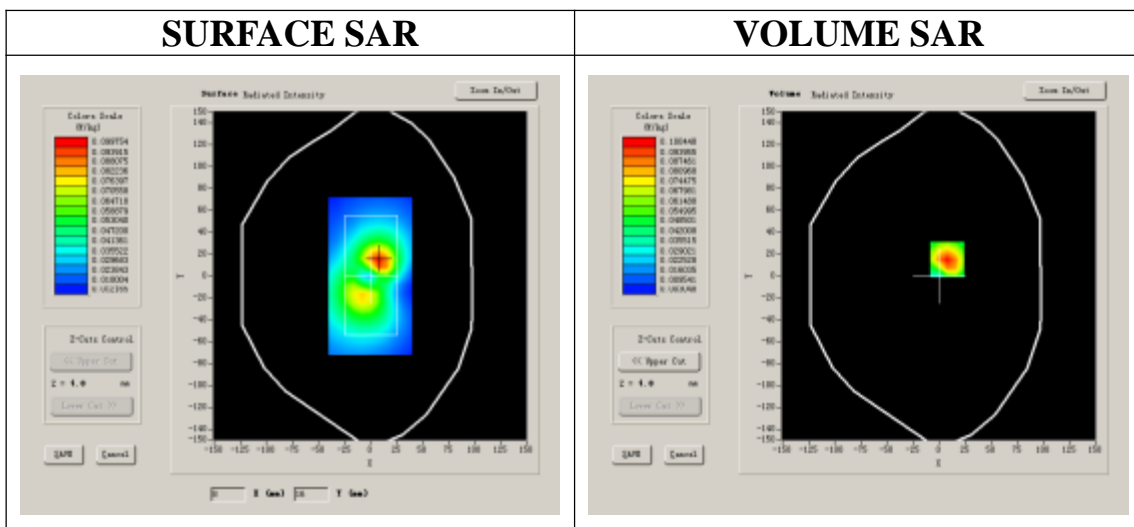
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band2 (20MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

Lower Band SAR (Channel 18700):

Frequency (MHz)	1860.000000
Relative permittivity (real part)	53.210000
Conductivity (S/m)	1.510000
Power drift (%)	-0.750000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	40.625,34.773,38.535
Crest factor:	1:1



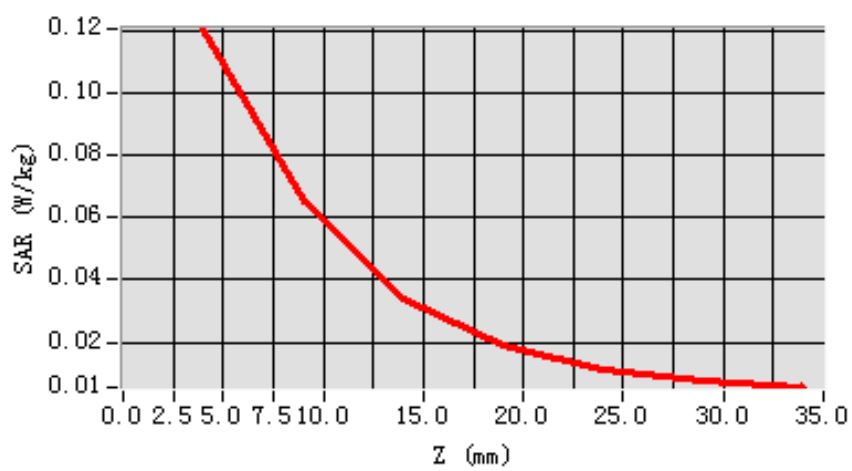
Maximum location: X=8.00, Y=15.00

SAR 10g (W/Kg)	0.060050
SAR 1g (W/Kg)	0.113621

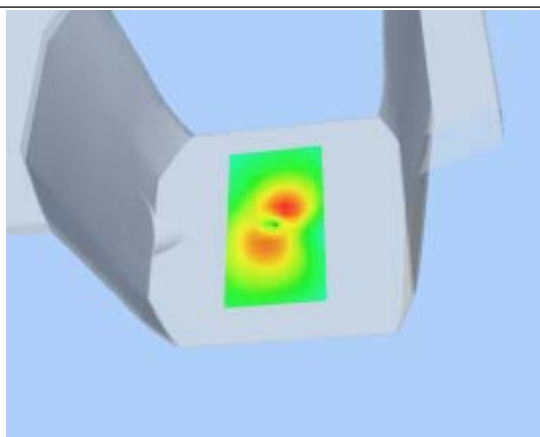
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1205	0.0649	0.0341	0.0187	0.0114	0.0074

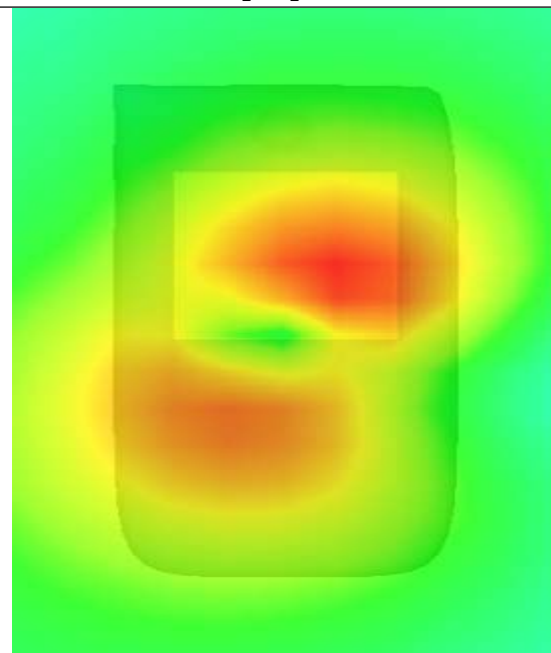
SAR, Z Axis Scan (X = 8, Y = 15)



3D scen shot



Hot spot position



MEASUREMENT 8

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

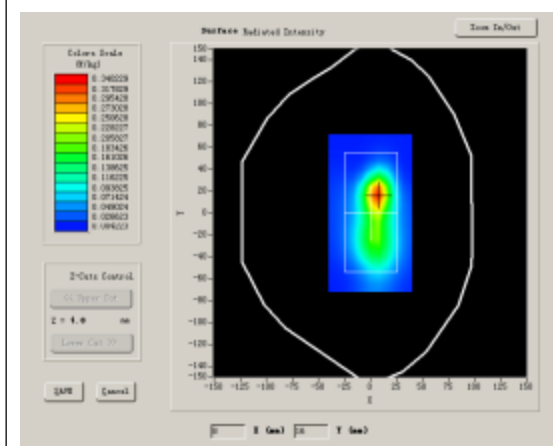
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band2 (20MHz)
Channels	Low
Signal	QPSK_50RB_RB offset 0

B. SAR Measurement Results

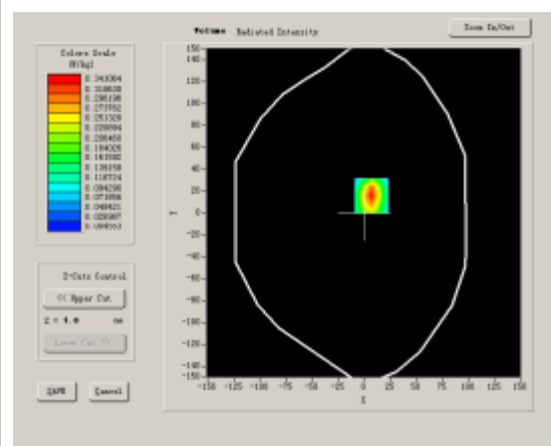
Lower Band SAR (Channel 18700):

Frequency (MHz)	1860.000000
Relative permittivity (real part)	53.210000
Conductivity (S/m)	1.510000
Power drift (%)	-1.310000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	40.625,34.773,38.535
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



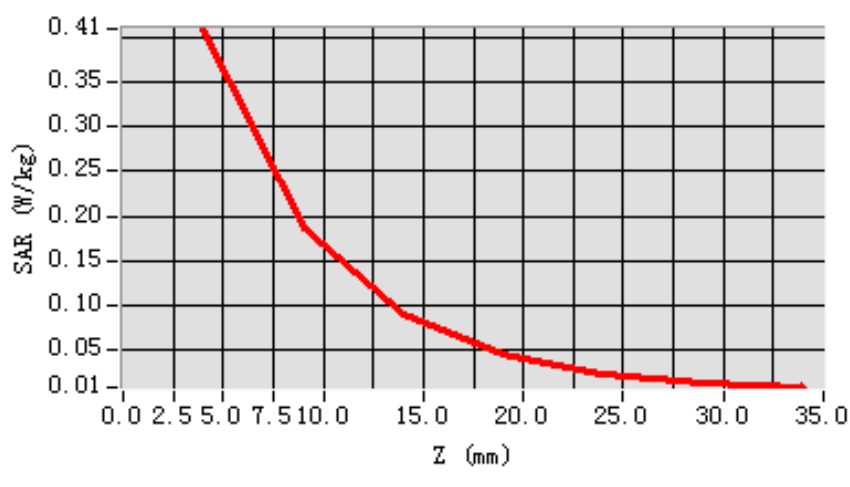
Maximum location: X=7.00, Y=16.00

SAR 10g (W/Kg)	0.177991
SAR 1g (W/Kg)	0.376413

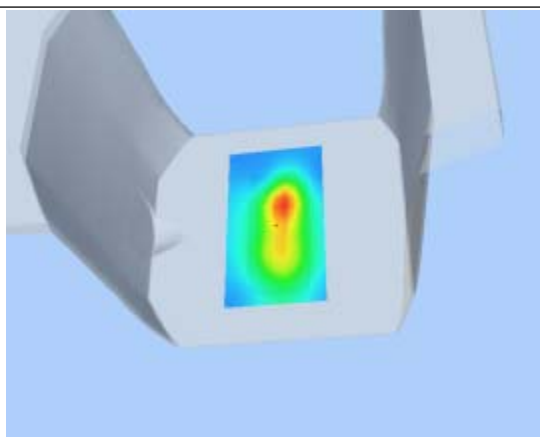
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.4093	0.1867	0.0896	0.0448	0.0239	0.0137

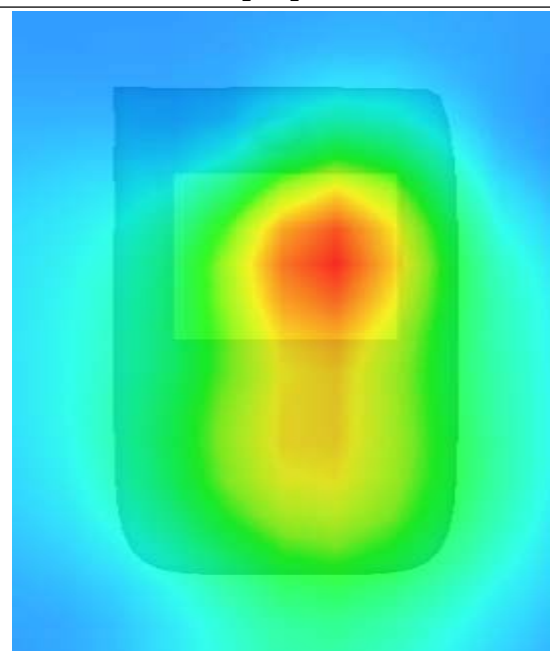
SAR, Z Axis Scan (X = 7, Y = 16)



3D scen shot



Hot spot position



MEASUREMENT 9

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 11 seconds

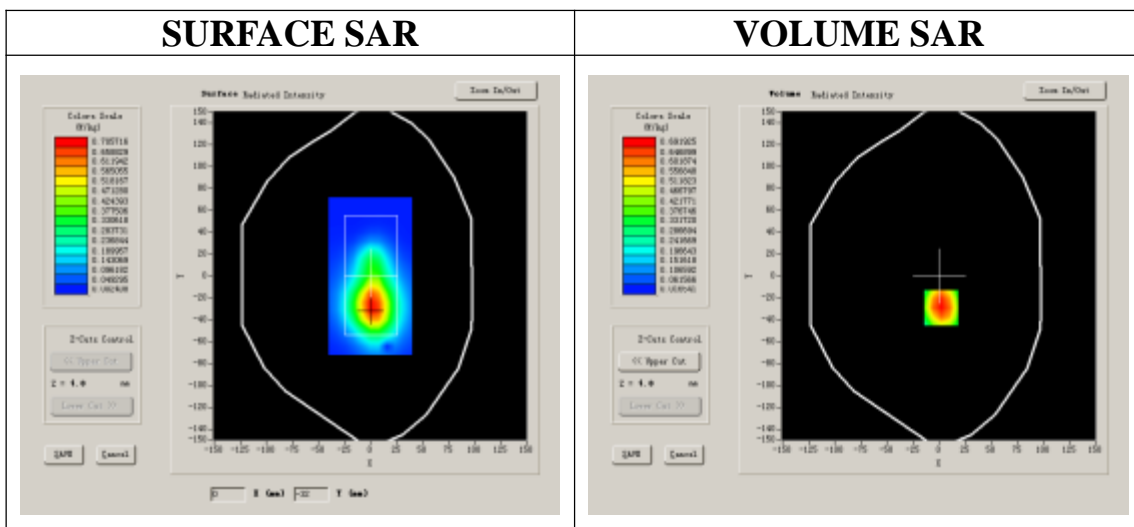
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band2 (20MHz)
Channels	Low
Signal	QPSK_50RB_RB offset 0

B. SAR Measurement Results

Lower Band SAR (Channel 18700):

Frequency (MHz)	1860.000000
Relative permittivity (real part)	53.210000
Conductivity (S/m)	1.510000
Power drift (%)	-0.800000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	40.625,34.773,38.535
Crest factor:	1:1



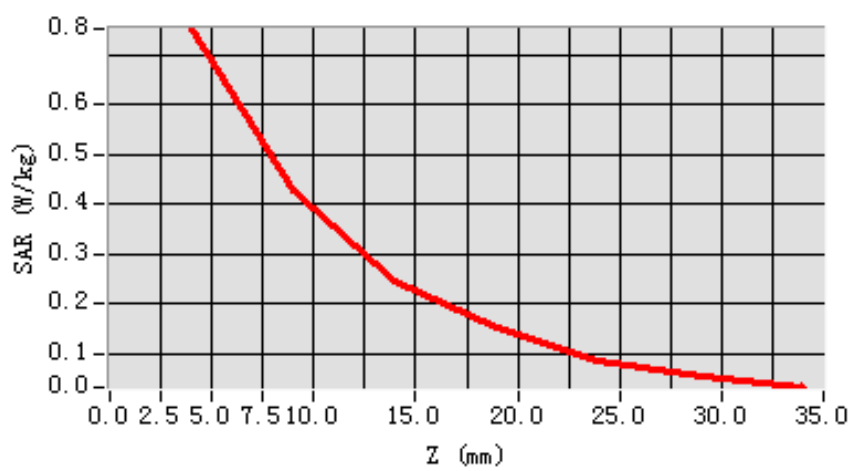
Maximum location: X=2.00, Y=-29.00

SAR 10g (W/Kg)	0.409492
SAR 1g (W/Kg)	0.720874

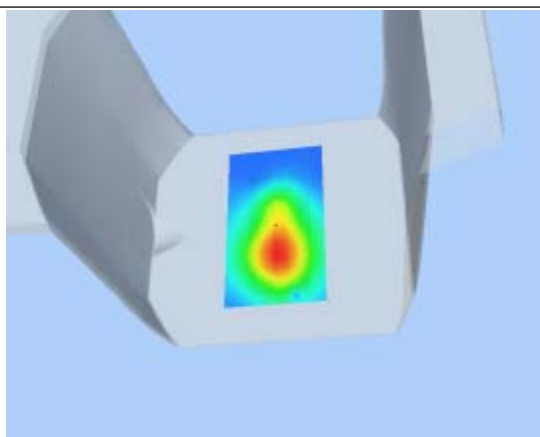
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.7534	0.4299	0.2473	0.1514	0.0864	0.0525

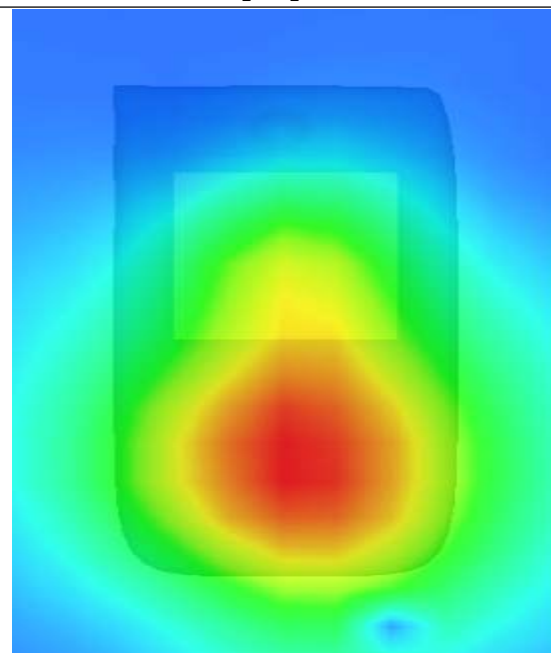
SAR, Z Axis Scan (X = 2, Y = -29)



3D scen shot



Hot spot position



MEASUREMENT 10

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

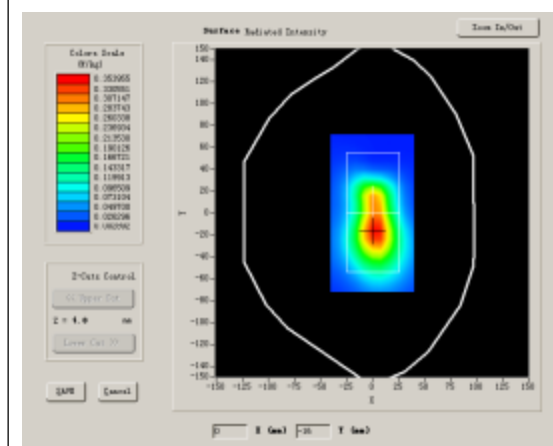
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band2 (20MHz)
Channels	Low
Signal	QPSK_50RB_RB offset 0

B. SAR Measurement Results

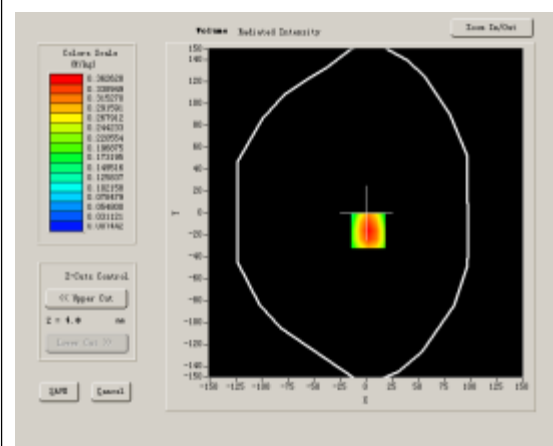
Lower Band SAR (Channel 18700):

Frequency (MHz)	1860.000000
Relative permittivity (real part)	53.210000
Conductivity (S/m)	1.510000
Power drift (%)	-0.920000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	40.625,34.773,38.535
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



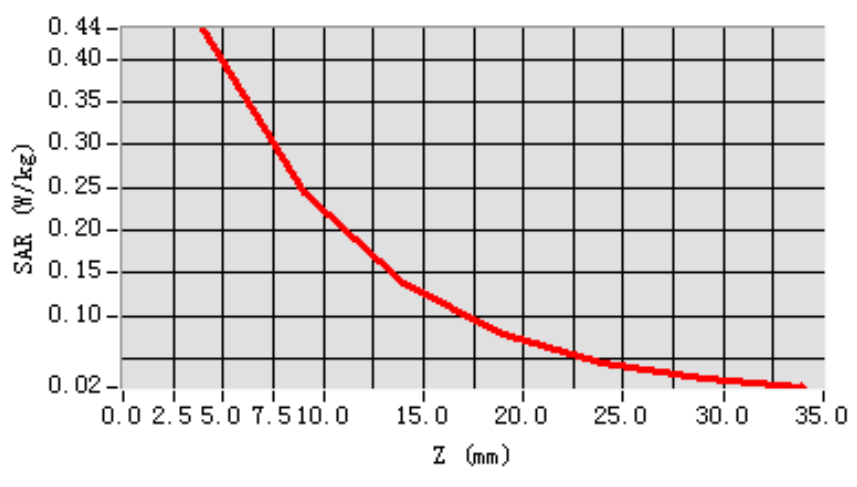
Maximum location: X=2.00, Y=-16.00

SAR 10g (W/Kg)	0.234144
SAR 1g (W/Kg)	0.413479

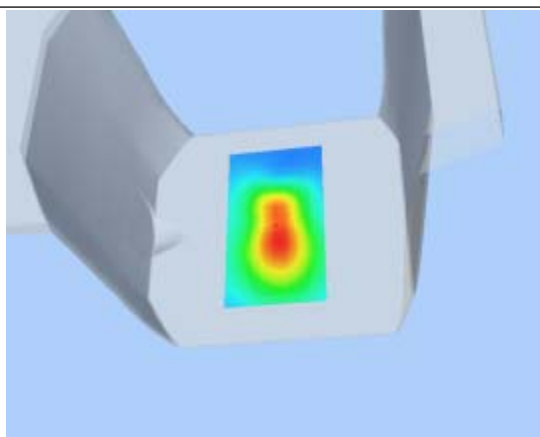
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.4352	0.2445	0.1384	0.0794	0.0458	0.0266

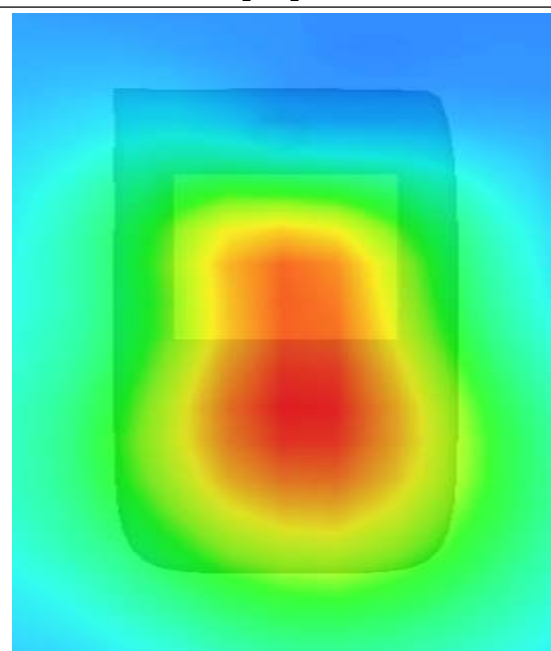
SAR, Z Axis Scan (X = 2, Y = -16)



3D scen shot



Hot spot position



MEASUREMENT 11

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

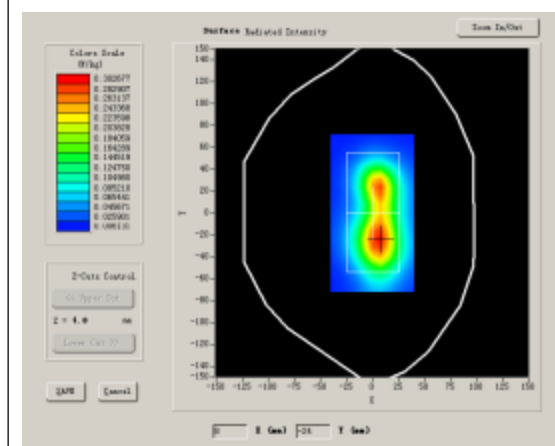
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band2 (20MHz)
Channels	Low
Signal	QPSK_50RB_RB offset 0

B. SAR Measurement Results

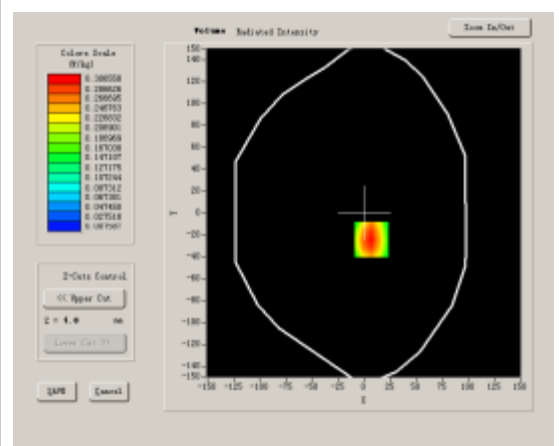
Lower Band SAR (Channel 18700):

Frequency (MHz)	1860.000000
Relative permittivity (real part)	53.210000
Conductivity (S/m)	1.510000
Power drift (%)	-1.120000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	40.625,34.773,38.535
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



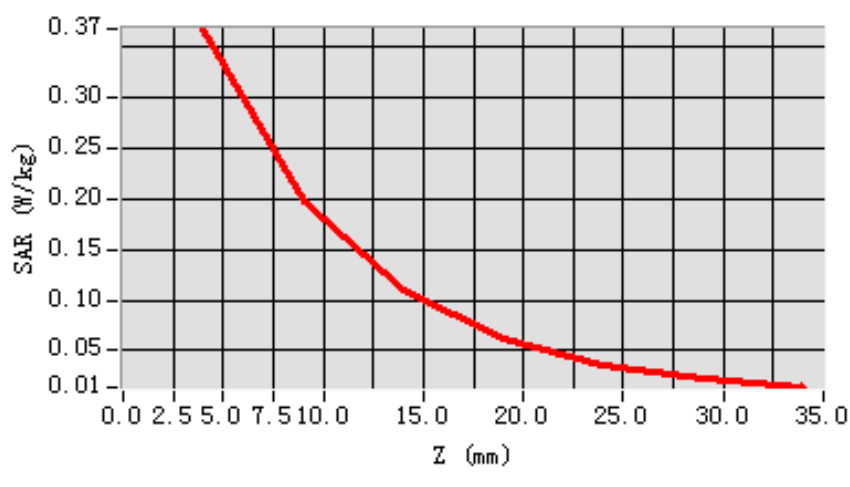
Maximum location: X=7.00, Y=-24.00

SAR 10g (W/Kg)	0.194809
SAR 1g (W/Kg)	0.350669

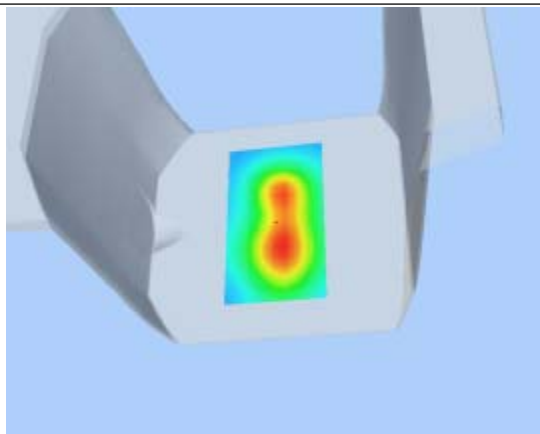
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.3679	0.1974	0.1095	0.0626	0.0363	0.0219

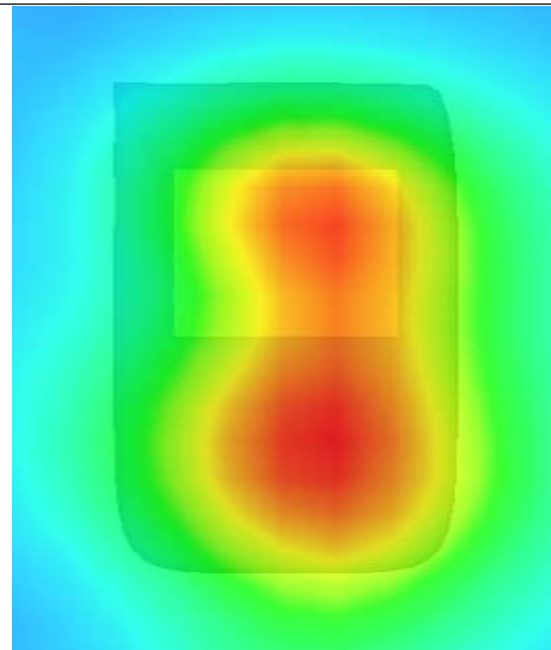
SAR, Z Axis Scan (X = 7, Y = -24)



3D scen shot



Hot spot position



MEASUREMENT 12

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

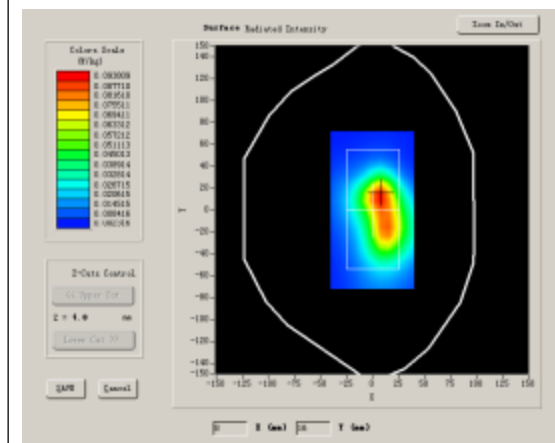
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band2 (20MHz)
Channels	Low
Signal	QPSK_50RB_RB offset 0

B. SAR Measurement Results

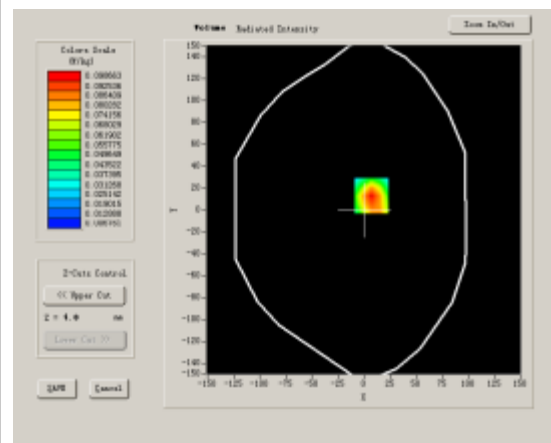
Lower Band SAR (Channel 18700):

Frequency (MHz)	1860.000000
Relative permittivity (real part)	53.210000
Conductivity (S/m)	1.510000
Power drift (%)	-0.210000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	40.625,34.773,38.535
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



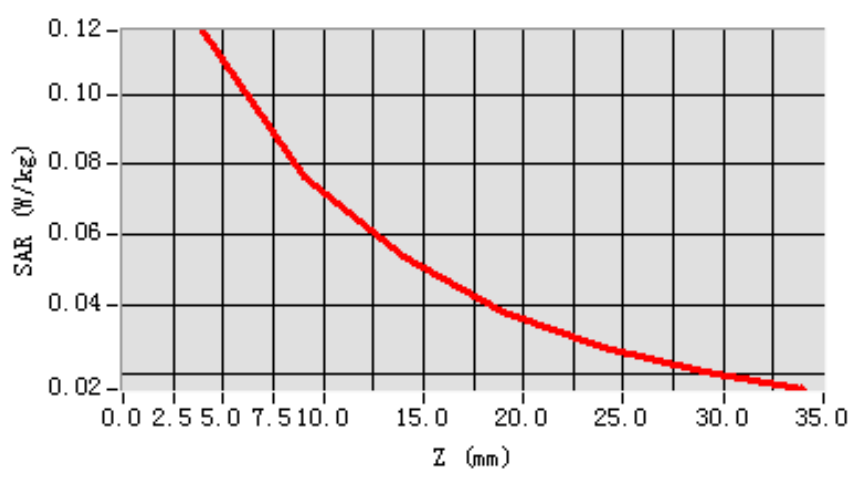
Maximum location: X=7.00, Y=13.00

SAR 10g (W/Kg)	0.071755
SAR 1g (W/Kg)	0.111868

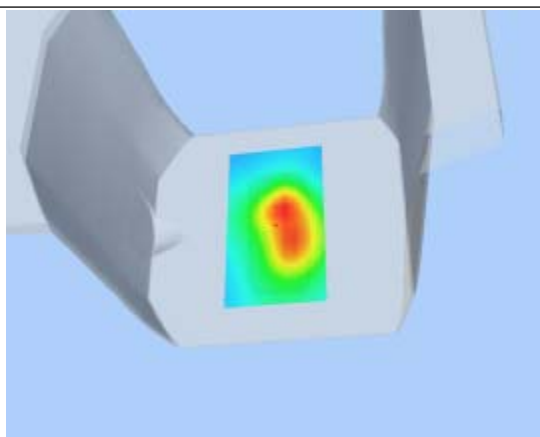
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1184	0.0765	0.0535	0.0378	0.0276	0.0210

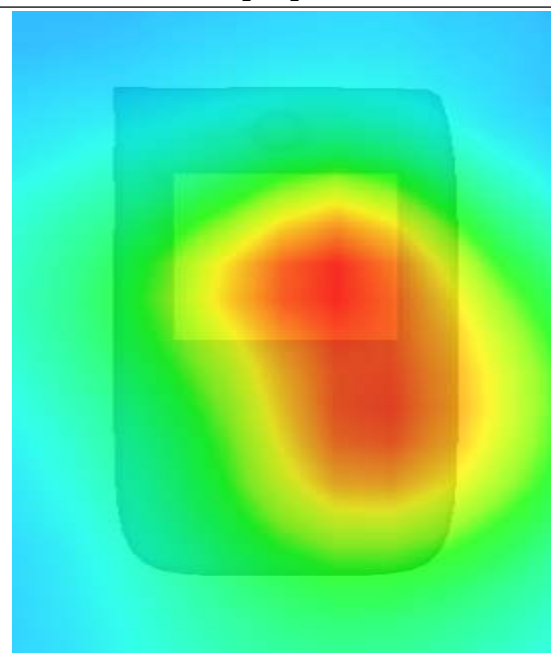
SAR, Z Axis Scan (X = 7, Y = 13)



3D scen shot



Hot spot position



MEASUREMENT 13

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.11

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

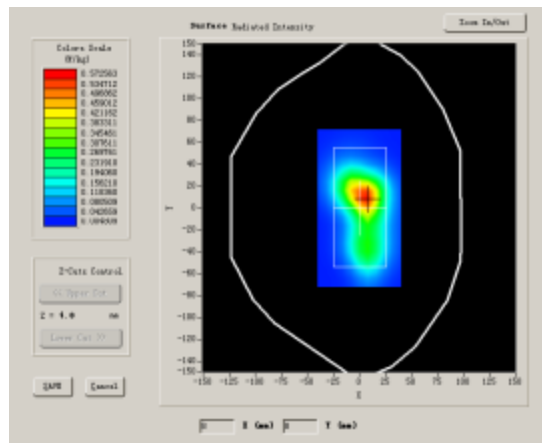
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band2 (20MHz)
Channels	Low
Signal	QPSK_100RB_RB offset 0

B. SAR Measurement Results

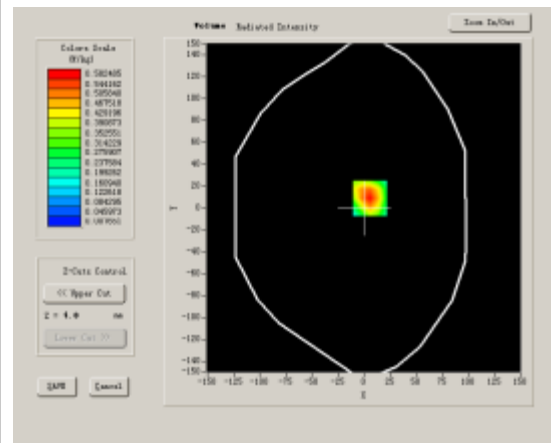
Lower Band SAR (Channel 18700):

Frequency (MHz)	1860.000000
Relative permittivity (real part)	53.210000
Conductivity (S/m)	1.510000
Power drift (%)	-0.590000
Ambient Temperature:	23.2°C
Liquid Temperature:	22.6°C
ConvF:	40.625,34.773,38.535
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



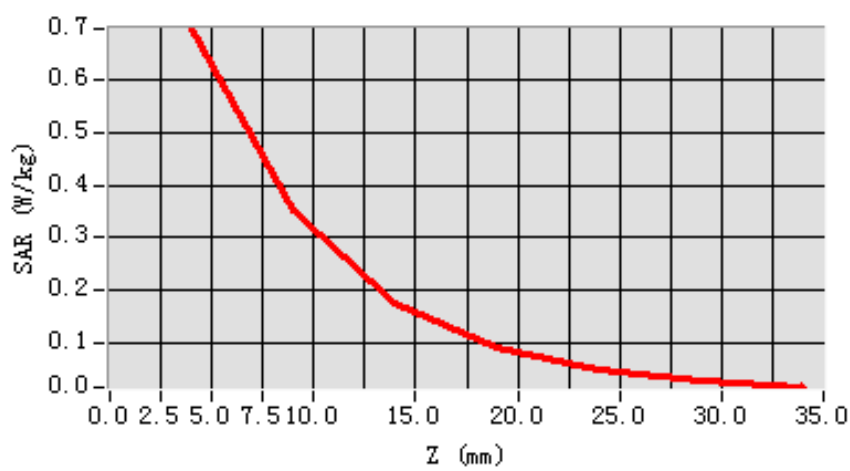
Maximum location: X=6.00, Y=9.00

SAR 10g (W/Kg)	0.339145
SAR 1g (W/Kg)	0.658772

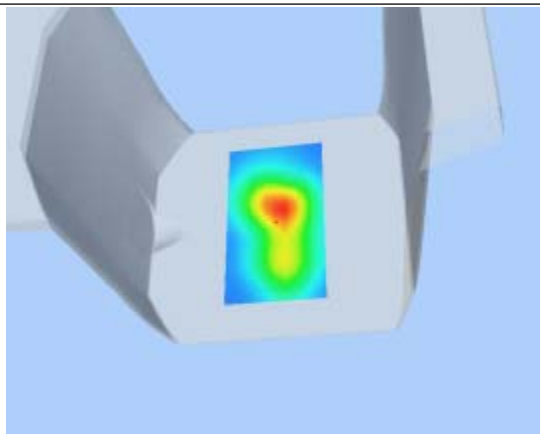
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.6990	0.3511	0.1771	0.0910	0.0476	0.0266

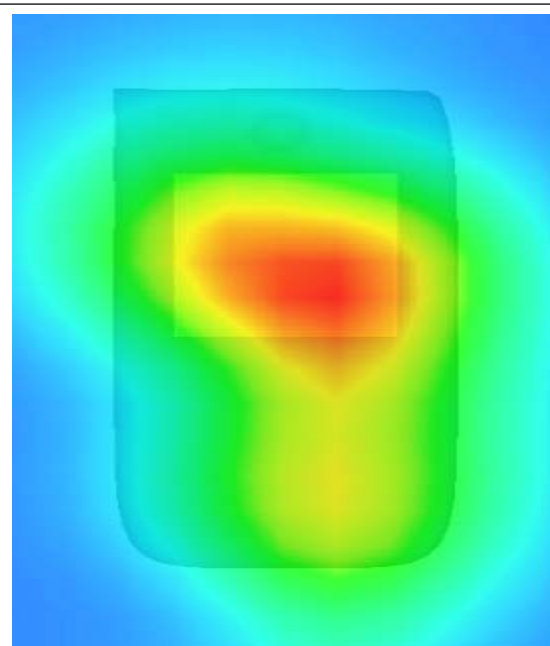
SAR, Z Axis Scan (X = 6, Y = 9)



3D scen shot



Hot spot position



MEASUREMENT 14

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.10

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

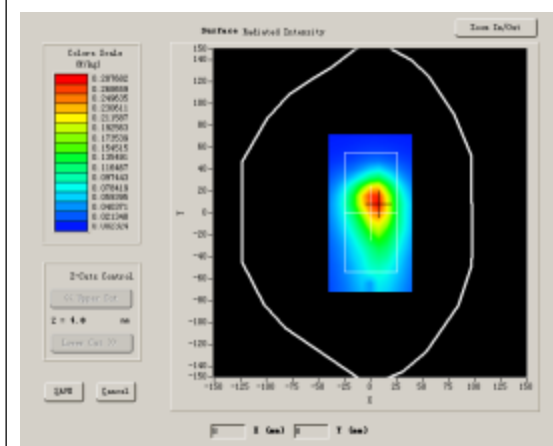
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

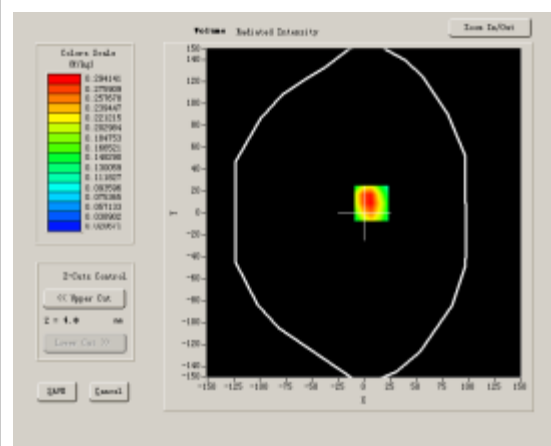
Lower Band SAR (Channel 20050):

Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.510000
Conductivity (S/m)	1.470000
Power drift (%)	-0.560000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	42.982,37.514,41.835
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



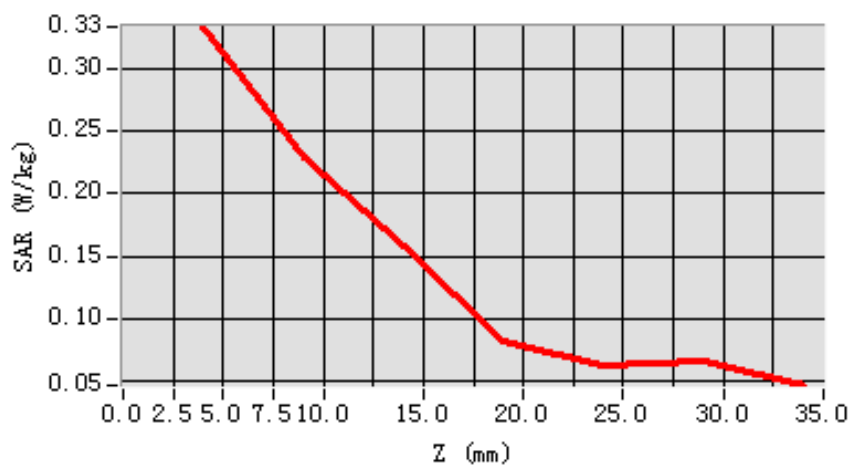
Maximum location: X=7.00, Y=9.00

SAR 10g (W/Kg)	0.196941
SAR 1g (W/Kg)	0.331109

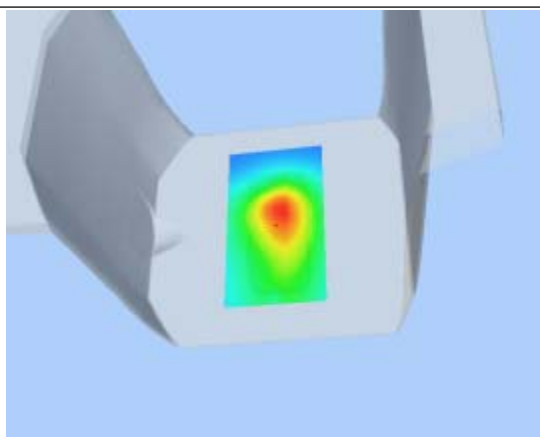
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.3340	0.2299	0.1575	0.0825	0.0630	0.0653

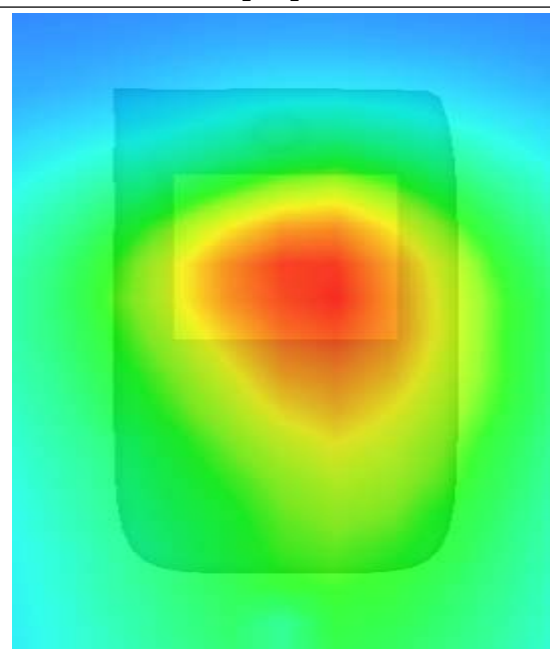
SAR, Z Axis Scan (X = 7, Y = 9)



3D scen shot



Hot spot position



MEASUREMENT 15

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.10

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

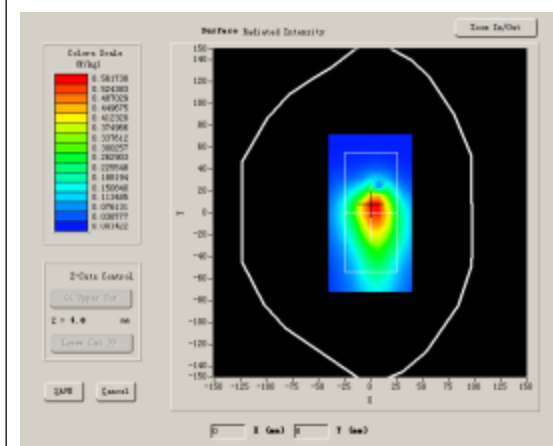
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

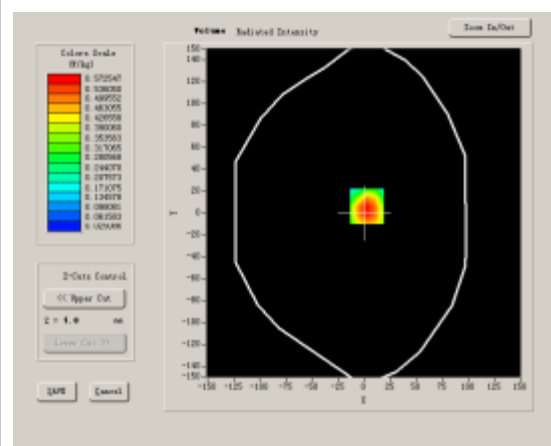
Lower Band SAR (Channel 20050):

Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.510000
Conductivity (S/m)	1.470000
Power drift (%)	-0.920000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	42.982,37.514,41.835
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



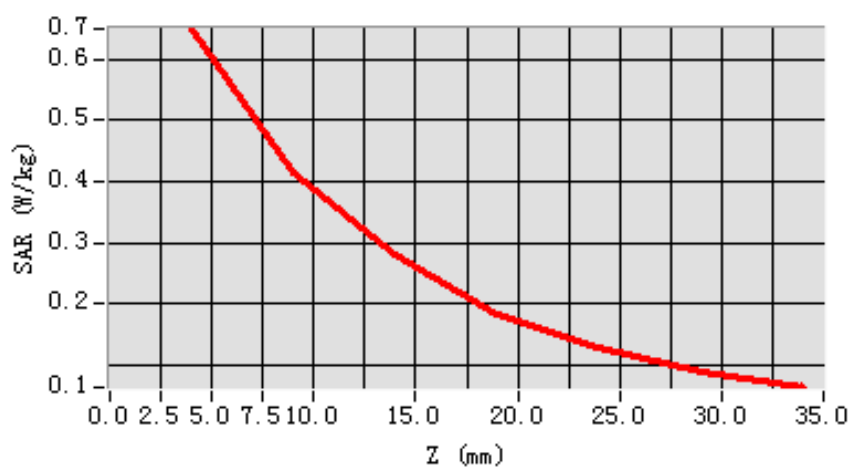
Maximum location: X=3.00, Y=6.00

SAR 10g (W/Kg)	0.385517
SAR 1g (W/Kg)	0.628699

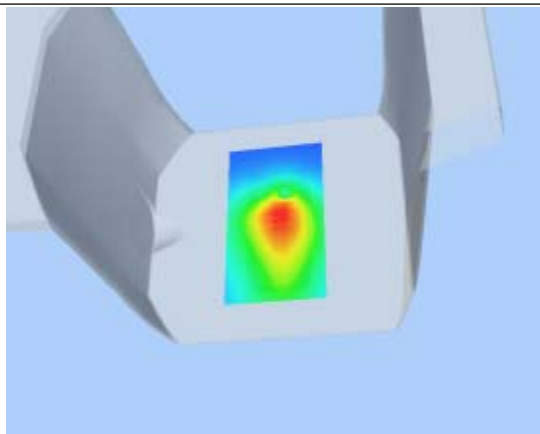
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.6501	0.4151	0.2803	0.1812	0.1265	0.0876

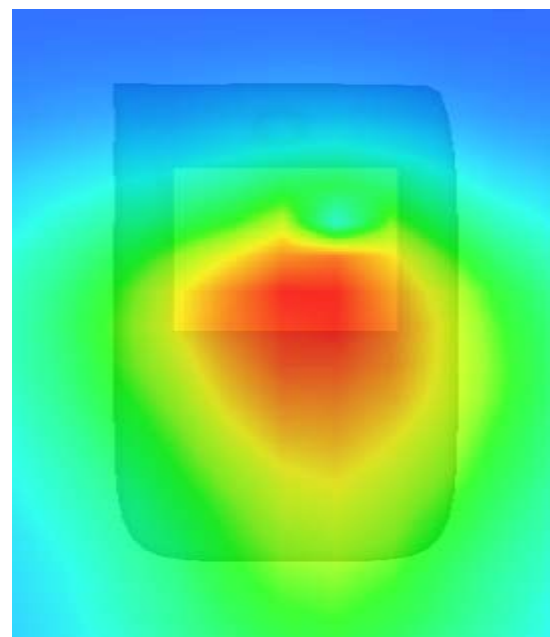
SAR, Z Axis Scan (X = 3, Y = 6)



3D scen shot



Hot spot position



MEASUREMENT 16

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.10

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

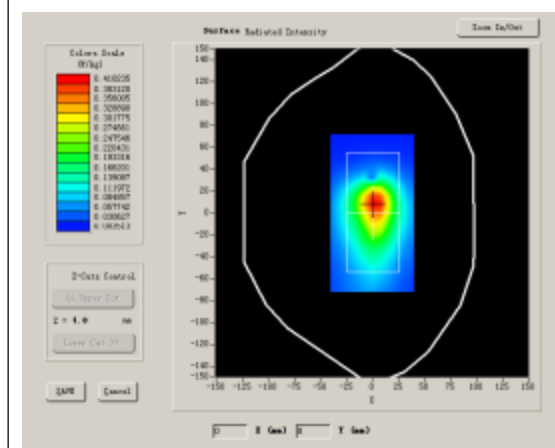
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

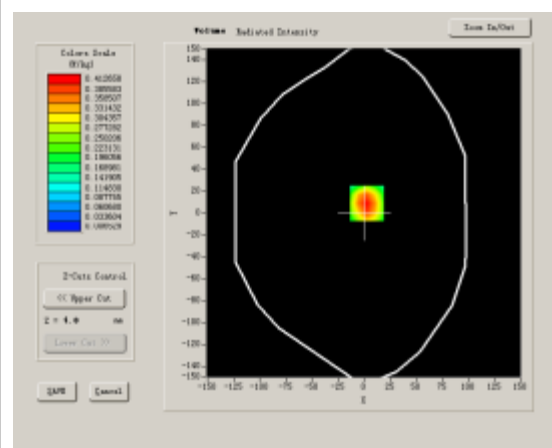
Lower Band SAR (Channel 20050):

Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.510000
Conductivity (S/m)	1.470000
Power drift (%)	-0.810000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	42.982,37.514,41.835
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



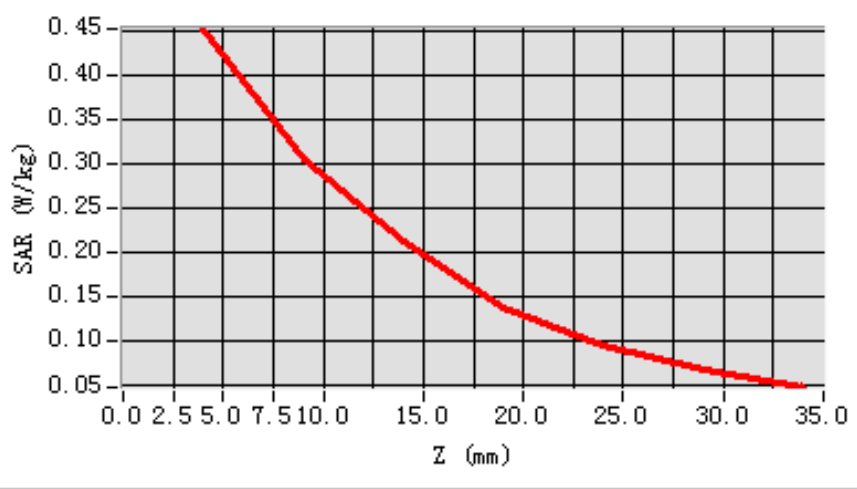
Maximum location: X=3.00, Y=9.00

SAR 10g (W/Kg)	0.265151
SAR 1g (W/Kg)	0.407338

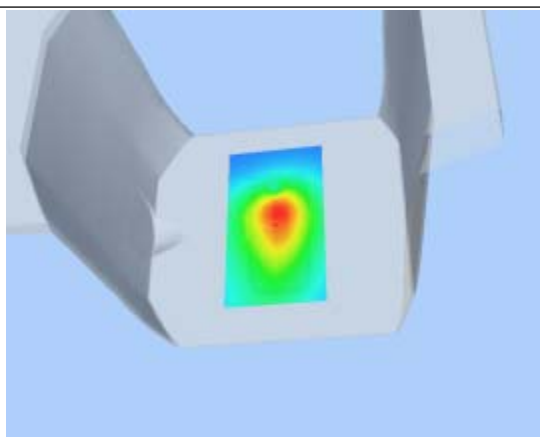
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.4530	0.3048	0.2112	0.1375	0.0949	0.0670

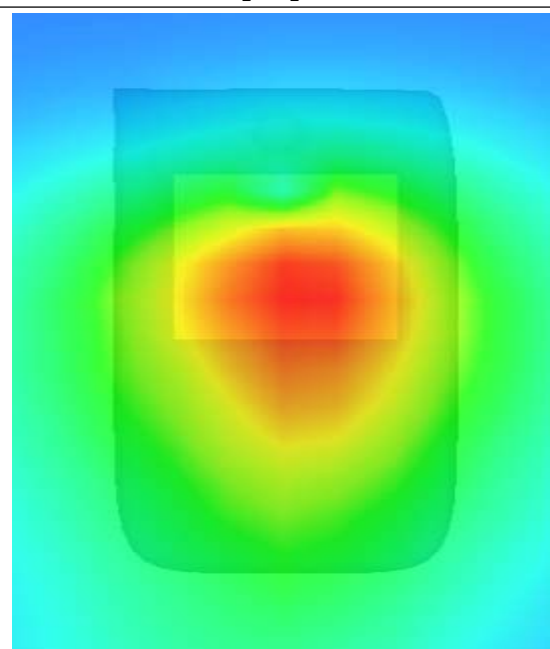
SAR, Z Axis Scan (X = 3, Y = 9)



3D scen shot



Hot spot position



MEASUREMENT 17

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.10

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

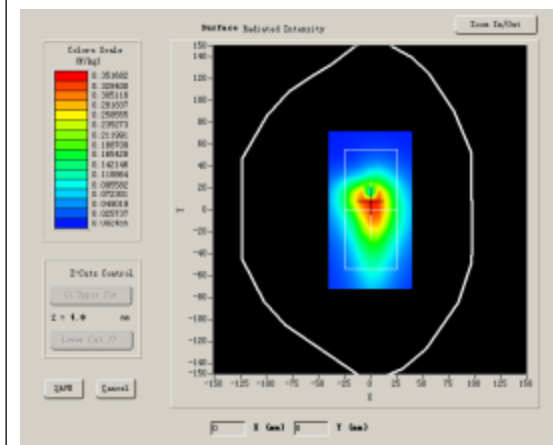
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

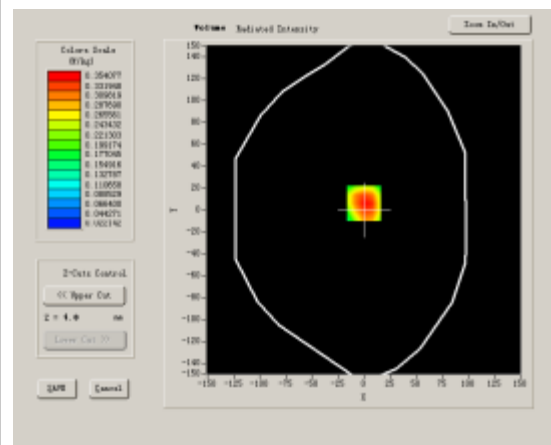
Lower Band SAR (Channel 20050):

Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.510000
Conductivity (S/m)	1.470000
Power drift (%)	-1.030000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	42.982,37.514,41.835
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



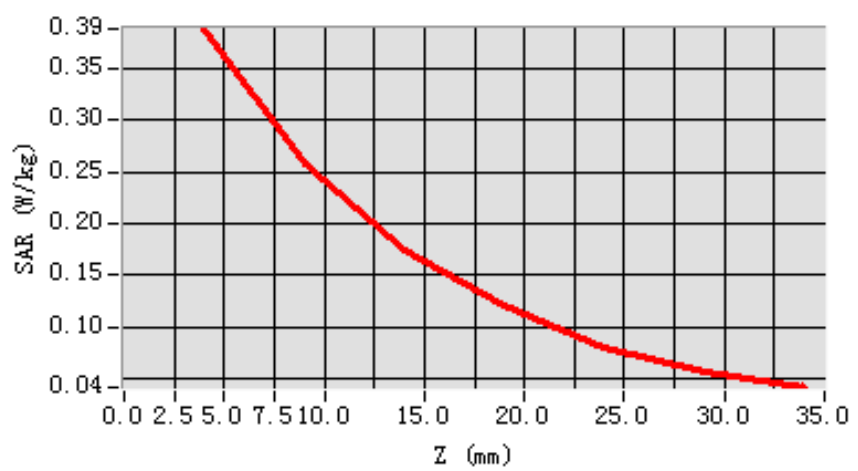
Maximum location: X=0.00, Y=6.00

SAR 10g (W/Kg)	0.237938
SAR 1g (W/Kg)	0.397291

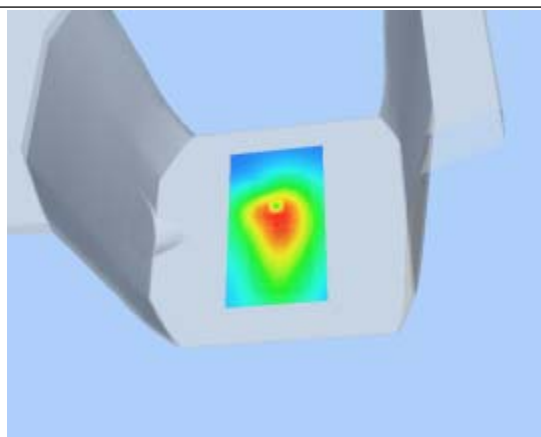
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.3887	0.2570	0.1746	0.1204	0.0800	0.0565

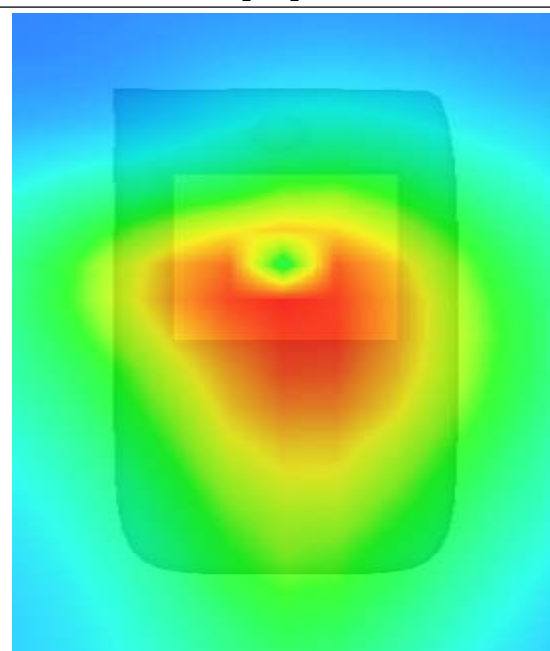
SAR, Z Axis Scan (X = 0, Y = 6)



3D scen shot



Hot spot position



MEASUREMENT 18

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.10

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

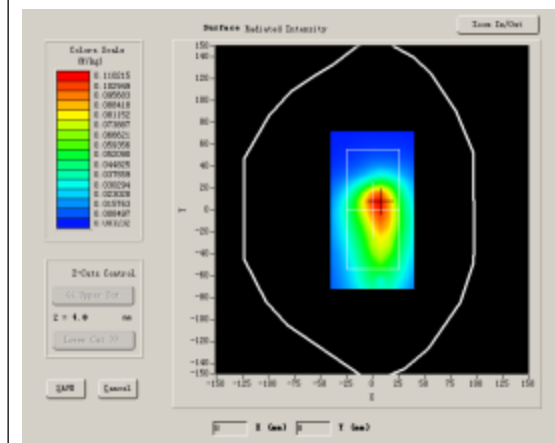
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

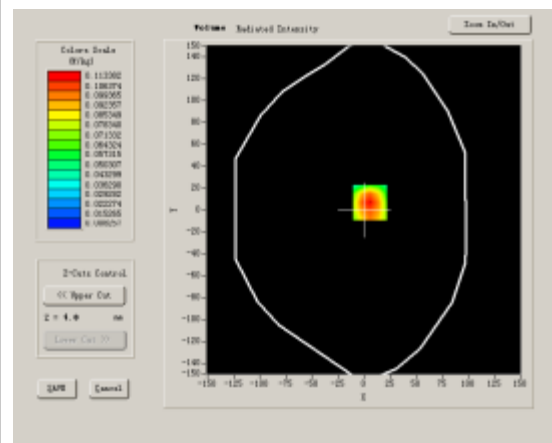
Lower Band SAR (Channel 20050):

Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.510000
Conductivity (S/m)	1.470000
Power drift (%)	-0.910000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	42.982,37.514,41.835
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



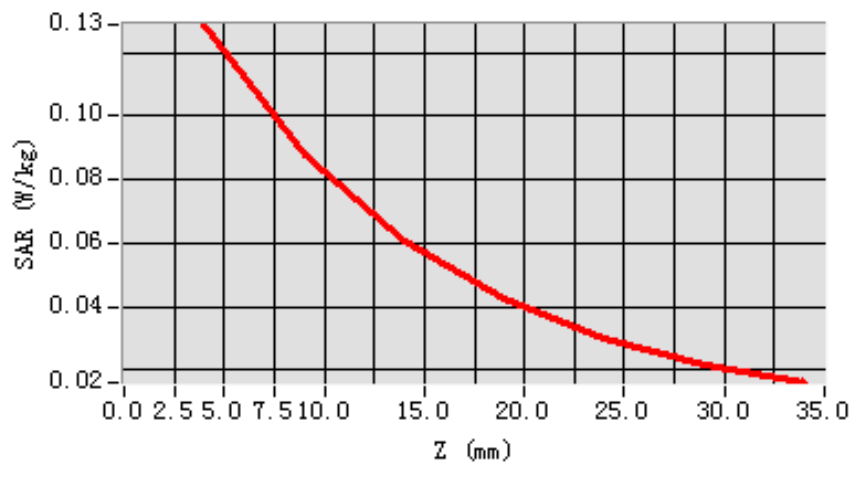
Maximum location: X=6.00, Y=7.00

SAR 10g (W/Kg)	0.077655
SAR 1g (W/Kg)	0.123145

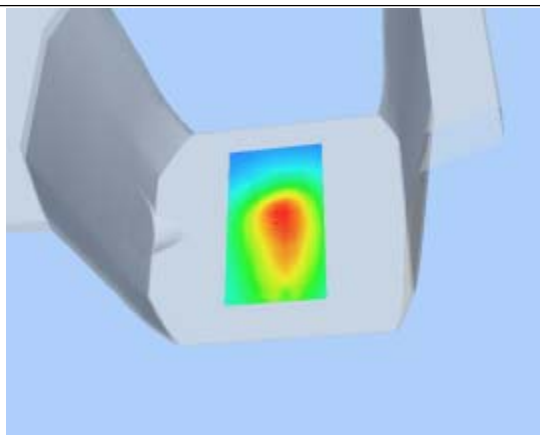
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1287	0.0874	0.0603	0.0424	0.0298	0.0220

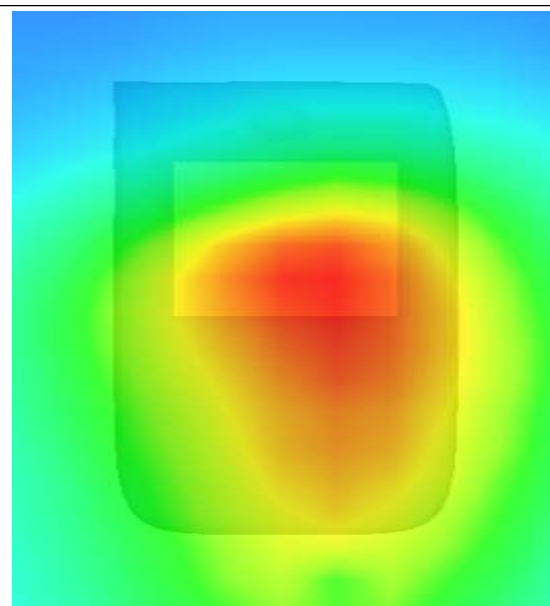
SAR, Z Axis Scan (X = 6, Y = 7)



3D seen shot



Hot spot position



MEASUREMENT 19

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.10

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

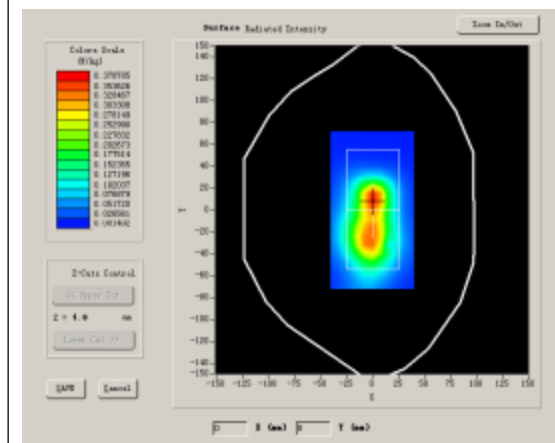
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Middle
Signal	QPSK_50RB_RB offset 0

B. SAR Measurement Results

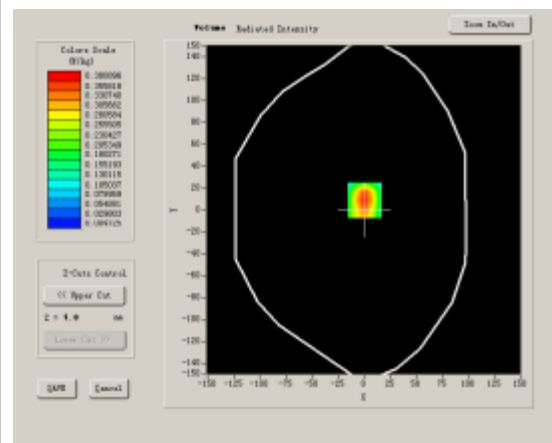
Middle Band SAR (Channel 20175):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	53.510000
Conductivity (S/m)	1.470000
Power drift (%)	-0.590000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	42.982,37.514,41.835
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



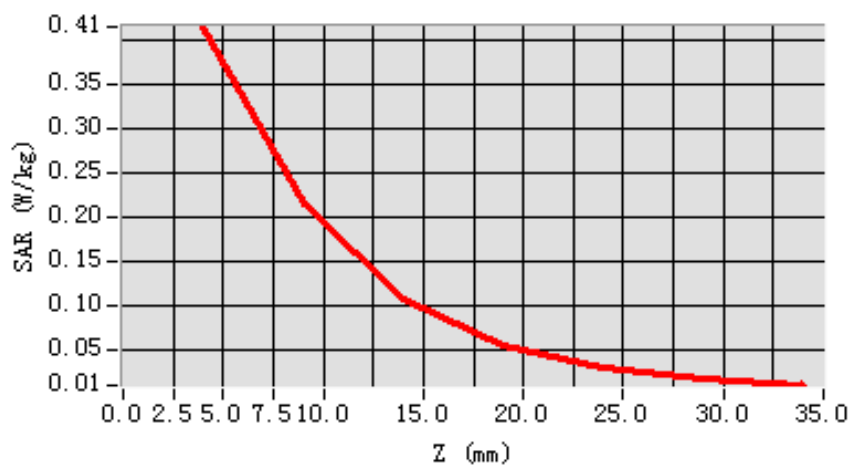
Maximum location: X=1.00, Y=9.00

SAR 10g (W/Kg)	0.196691
SAR 1g (W/Kg)	0.388562

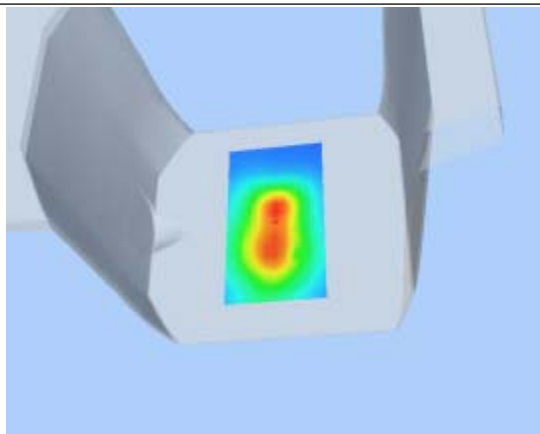
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.4148	0.2139	0.1065	0.0540	0.0284	0.0160

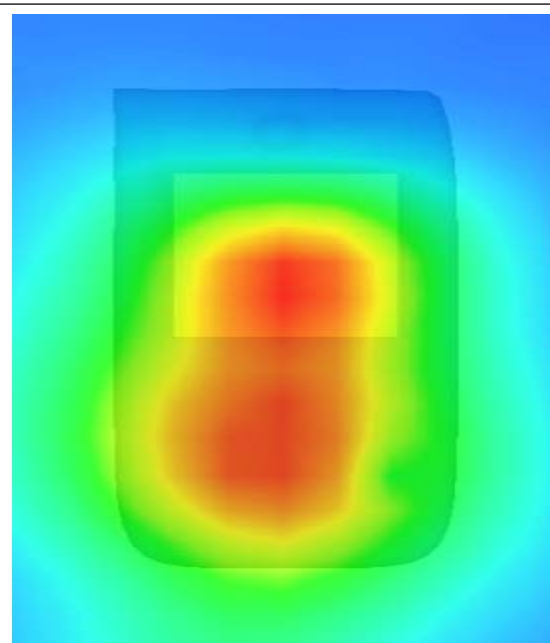
SAR, Z Axis Scan (X = 1, Y = 9)



3D scen shot



Hot spot position



MEASUREMENT 20

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.10

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

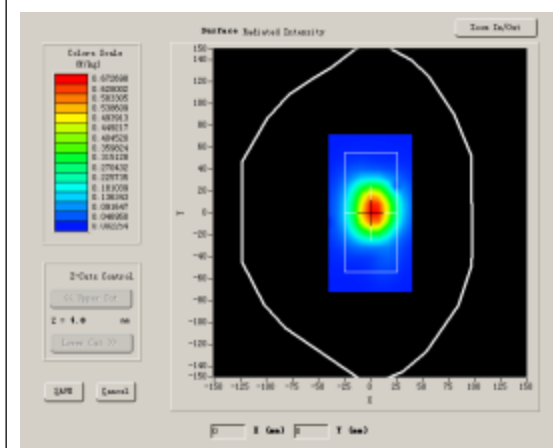
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Middle
Signal	QPSK_50RB_RB offset 0

B. SAR Measurement Results

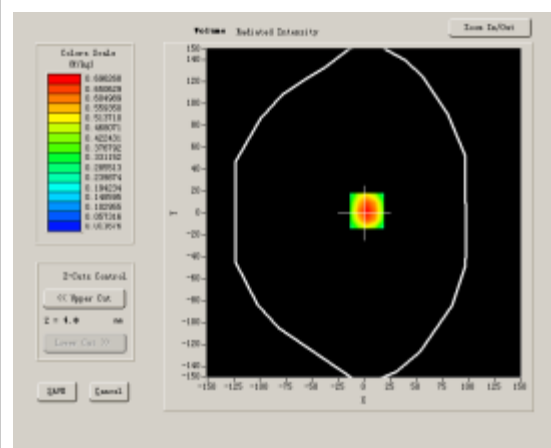
Middle Band SAR (Channel 20175):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	53.510000
Conductivity (S/m)	1.470000
Power drift (%)	-0.510000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	42.982,37.514,41.835
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



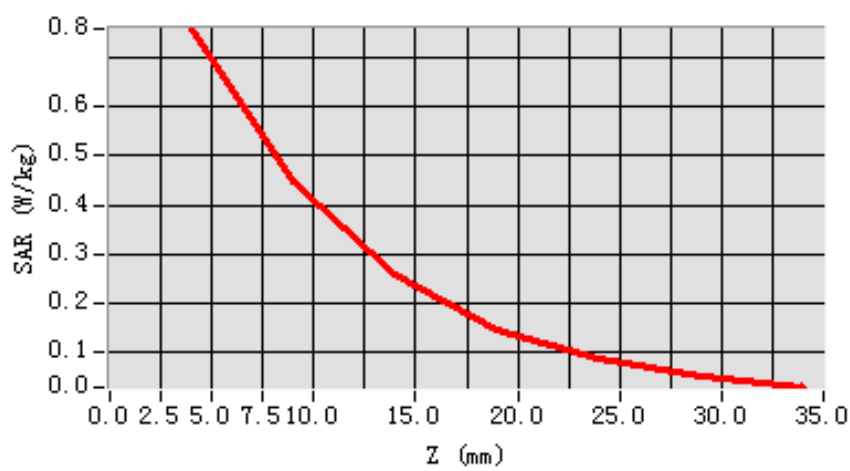
Maximum location: X=3.00, Y=2.00

SAR 10g (W/Kg)	0.406694
SAR 1g (W/Kg)	0.716274

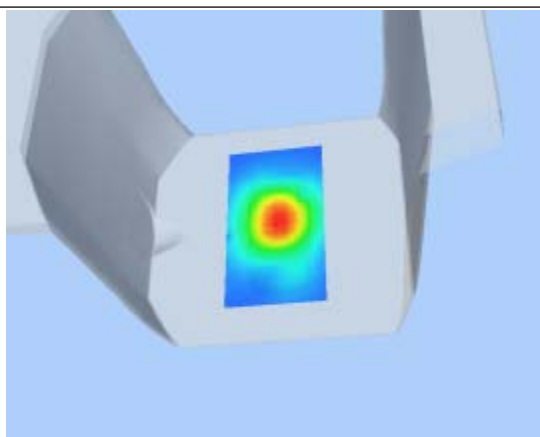
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.7582	0.4497	0.2580	0.1445	0.0862	0.0513

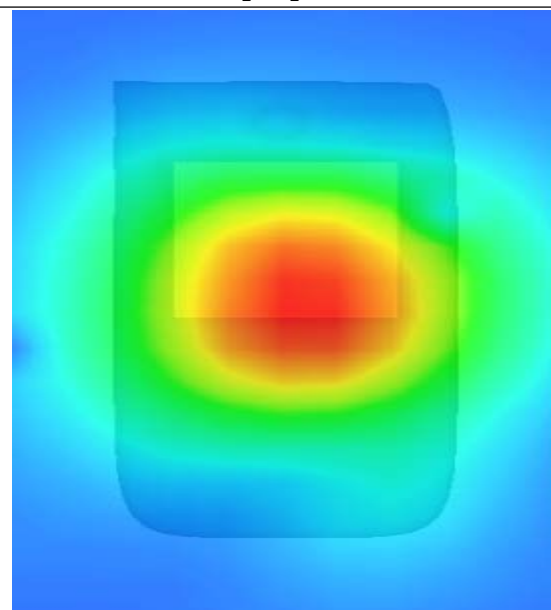
SAR, Z Axis Scan (X = 3, Y = 2)



3D scen shot



Hot spot position



MEASUREMENT 21

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.10

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

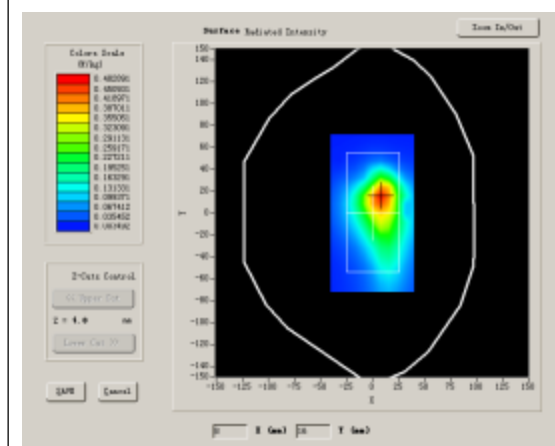
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Middle
Signal	QPSK_50RB_RB offset 0

B. SAR Measurement Results

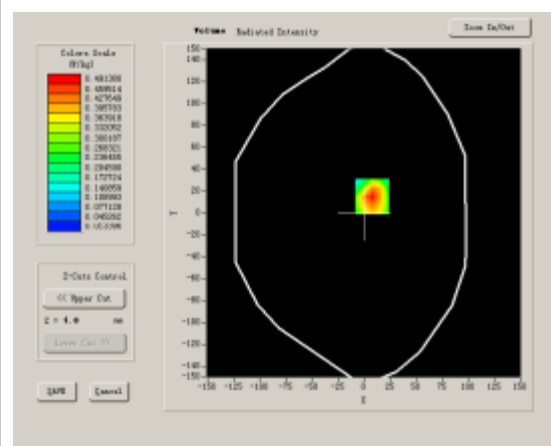
Middle Band SAR (Channel 20175):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	53.510000
Conductivity (S/m)	1.470000
Power drift (%)	-0.960000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	42.982,37.514,41.835
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



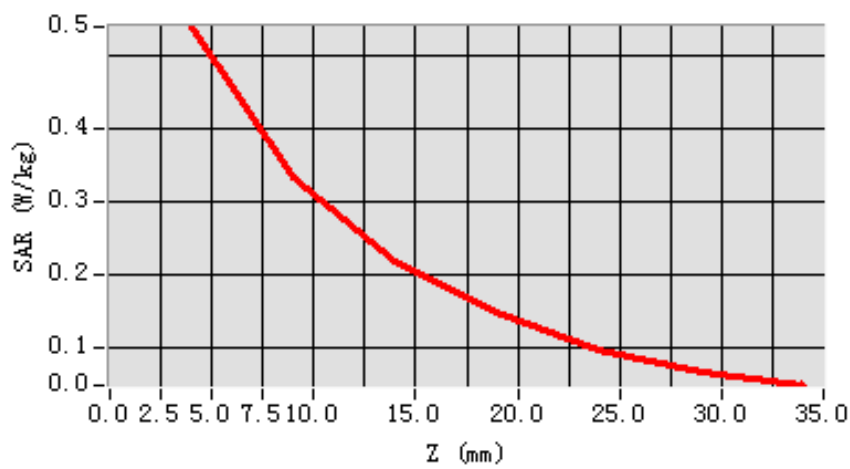
Maximum location: X=8.00, Y=15.00

SAR 10g (W/Kg)	0.307152
SAR 1g (W/Kg)	0.509076

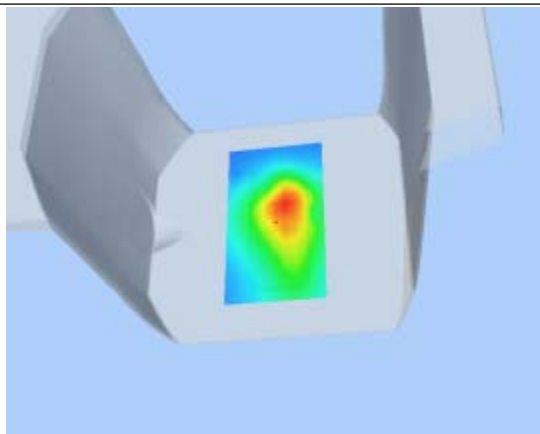
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.5394	0.3332	0.2167	0.1475	0.0980	0.0665

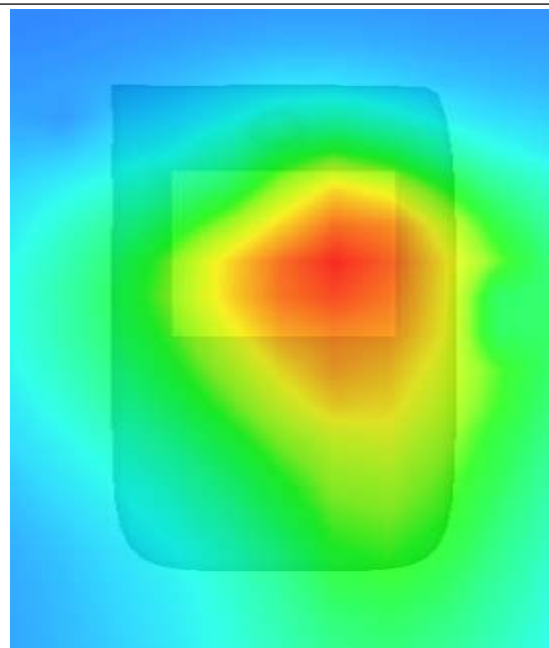
SAR, Z Axis Scan (X = 8, Y = 15)



3D scen shot



Hot spot position



MEASUREMENT 22

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.10

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

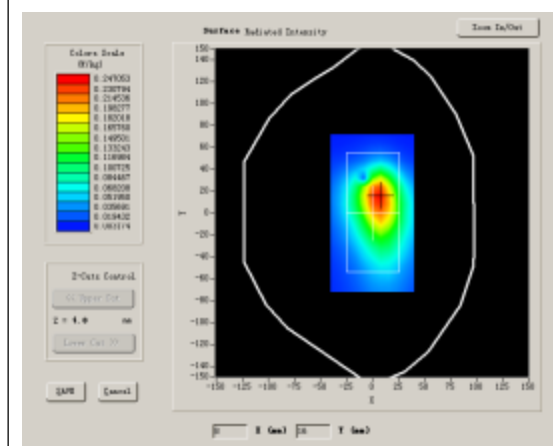
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Middle
Signal	QPSK_50RB_RB offset 0

B. SAR Measurement Results

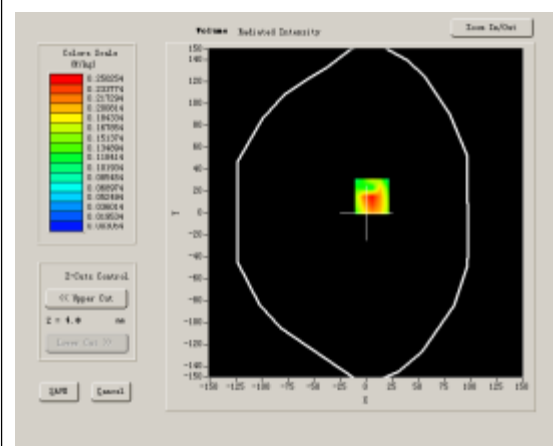
Middle Band SAR (Channel 20175):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	53.510000
Conductivity (S/m)	1.470000
Power drift (%)	-0.620000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	42.982,37.514,41.835
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



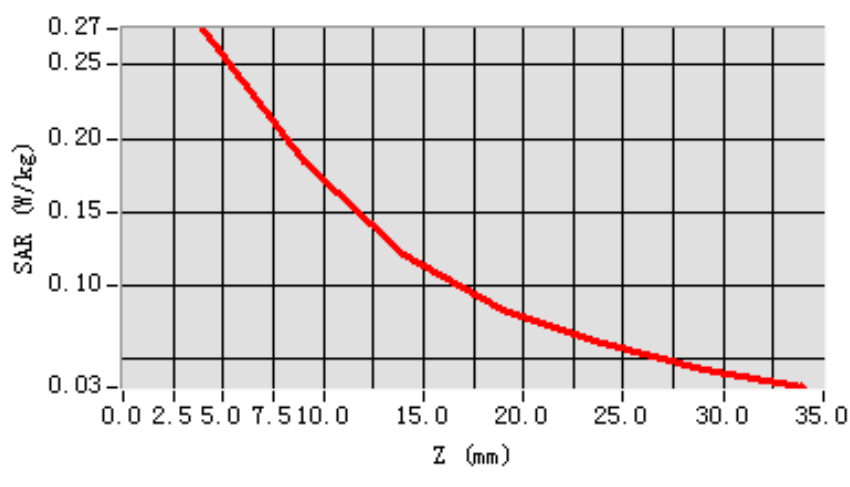
Maximum location: X=6.00, Y=15.00

SAR 10g (W/Kg)	0.157580
SAR 1g (W/Kg)	0.257871

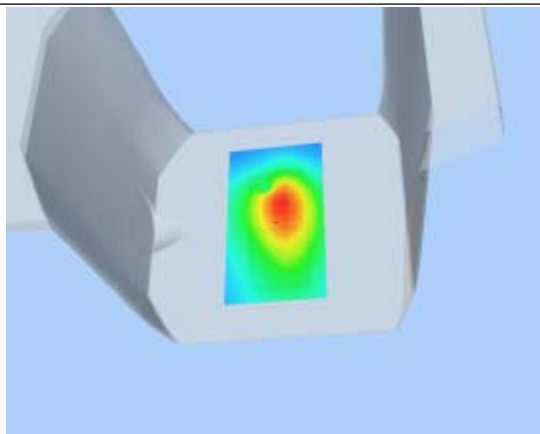
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.2747	0.1837	0.1208	0.0826	0.0600	0.0422

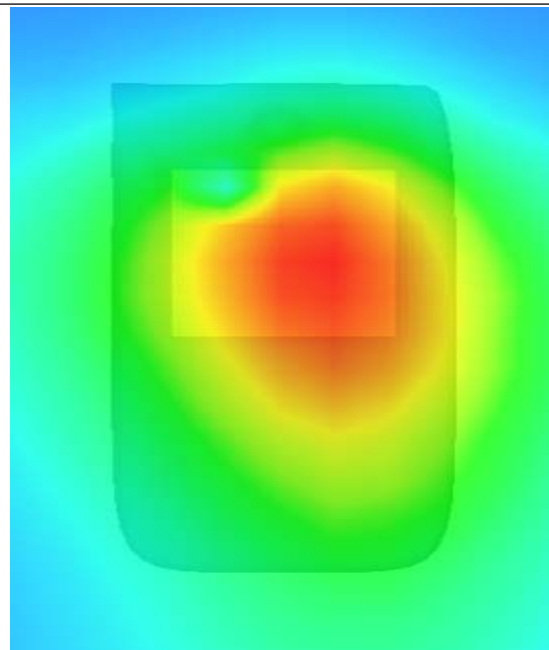
SAR, Z Axis Scan (X = 6, Y = 15)



3D scen shot



Hot spot position



MEASUREMENT 23

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.10

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

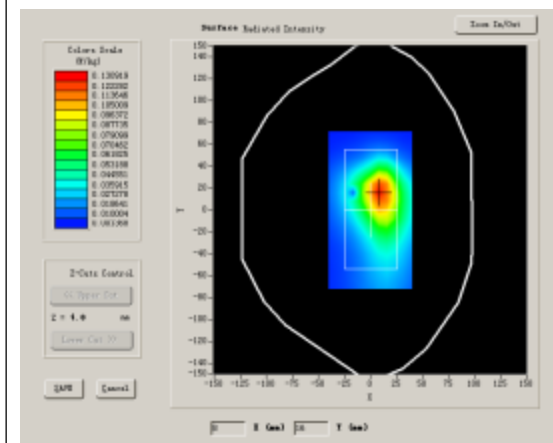
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Middle
Signal	QPSK_50RB_RB offset 0

B. SAR Measurement Results

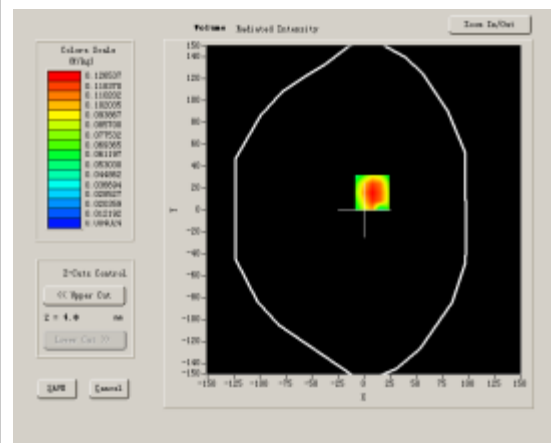
Middle Band SAR (Channel 20175):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	53.510000
Conductivity (S/m)	1.470000
Power drift (%)	-0.630000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	42.982,37.514,41.835
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



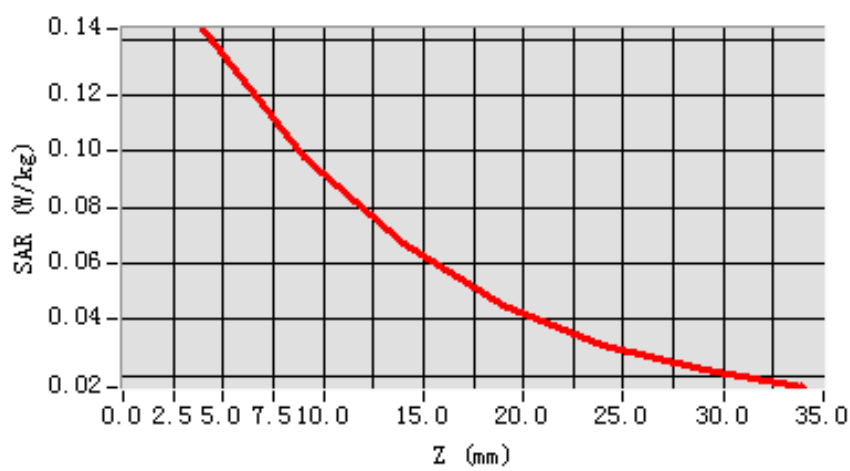
Maximum location: X=8.00, Y=16.00

SAR 10g (W/Kg)	0.086336
SAR 1g (W/Kg)	0.136068

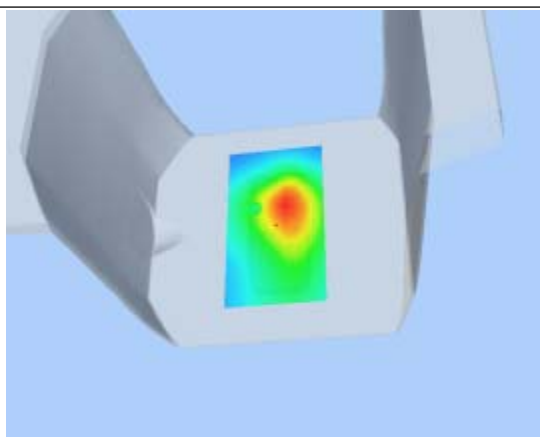
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1437	0.0979	0.0668	0.0451	0.0311	0.0223

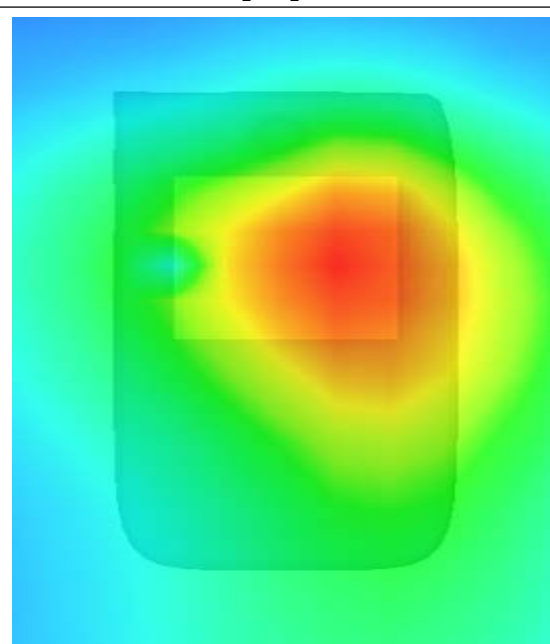
SAR, Z Axis Scan (X = 8, Y = 16)



3D scen shot



Hot spot position



MEASUREMENT 24

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

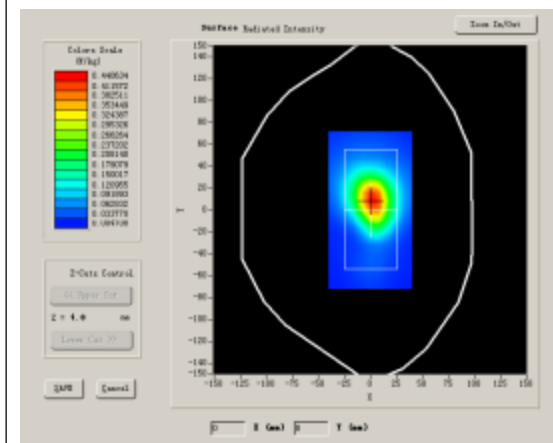
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band5 (10MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

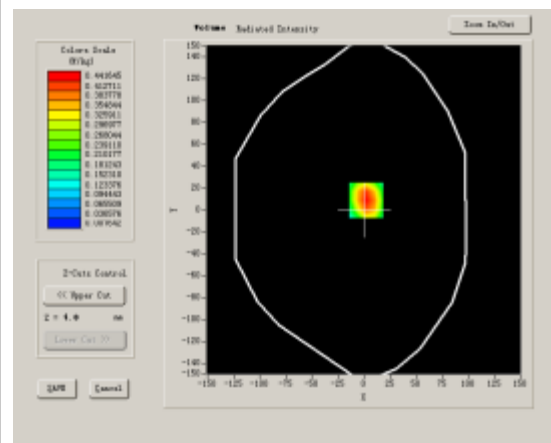
Lower Band SAR (Channel 20450):

Frequency (MHz)	829.000000
Relative permittivity (real part)	54.140000
Conductivity (S/m)	0.960000
Power drift (%)	-0.820000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	28.559,25.681,27.588
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



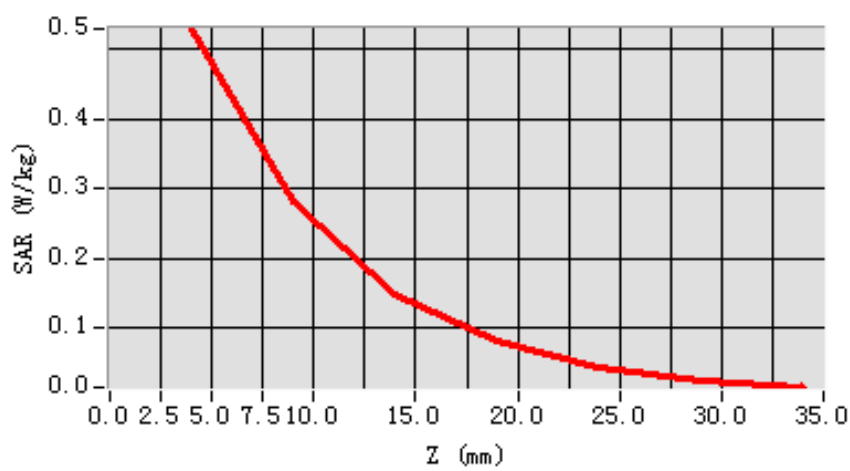
Maximum location: X=2.00, Y=9.00

SAR 10g (W/Kg)	0.267737
SAR 1g (W/Kg)	0.501642

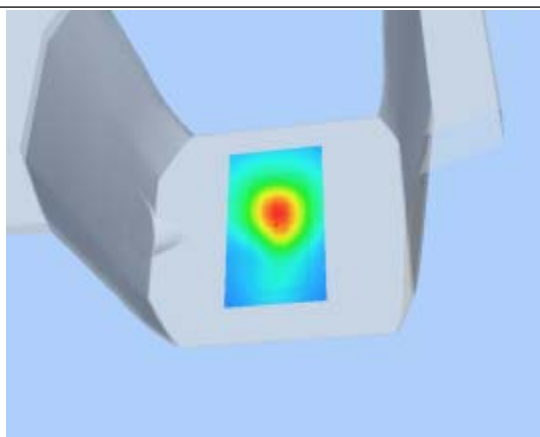
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.5300	0.2812	0.1486	0.0815	0.0453	0.0256

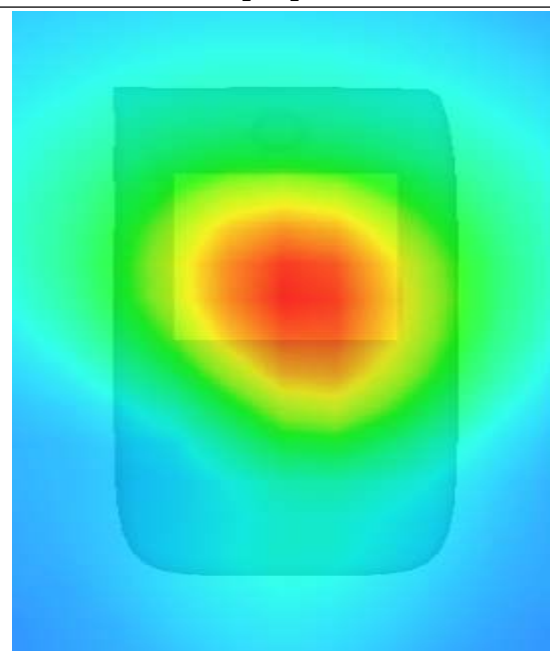
SAR, Z Axis Scan (X = 2, Y = 9)



3D scen shot



Hot spot position



MEASUREMENT 25

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 11 seconds

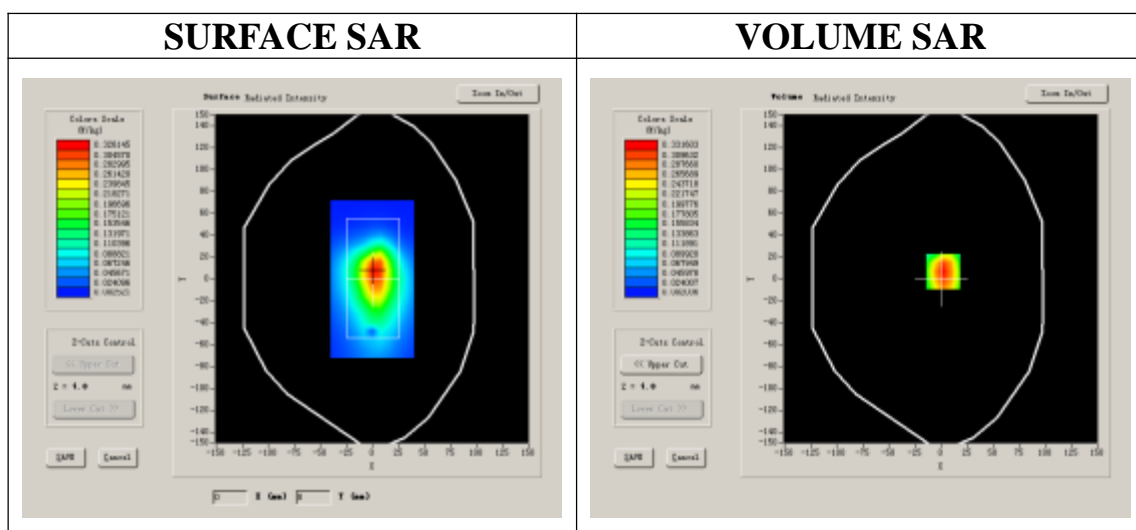
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band5 (10MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

Lower Band SAR (Channel 20450):

Frequency (MHz)	829.000000
Relative permittivity (real part)	54.140000
Conductivity (S/m)	0.960000
Power drift (%)	-0.420000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	28.559,25.681,27.588
Crest factor:	1:1



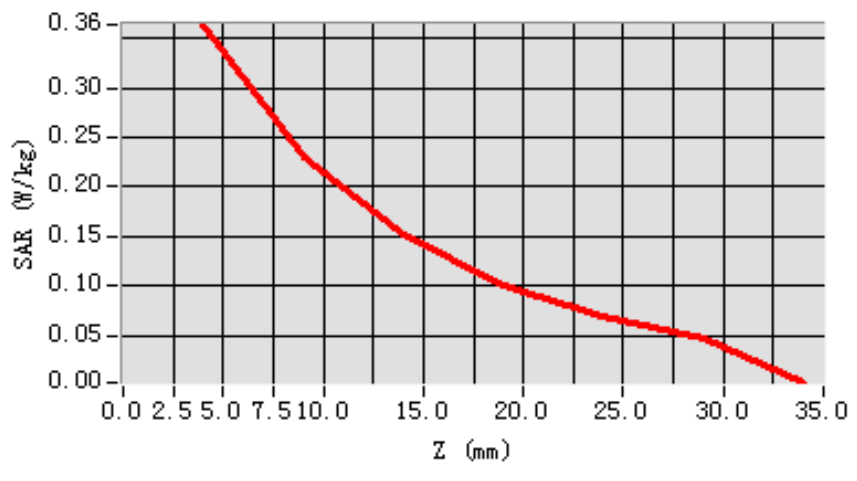
Maximum location: X=2.00, Y=7.00

SAR 10g (W/Kg)	0.209668
SAR 1g (W/Kg)	0.340287

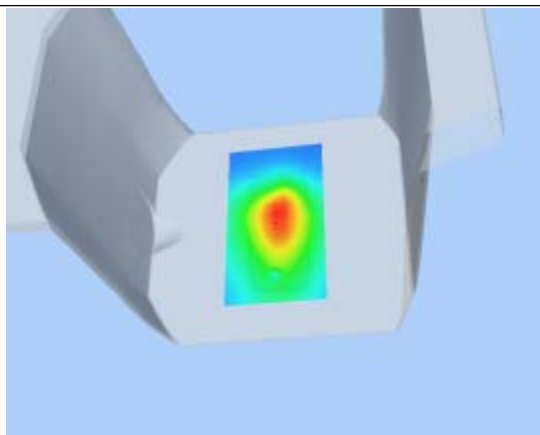
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.3640	0.2299	0.1509	0.1011	0.0687	0.0475

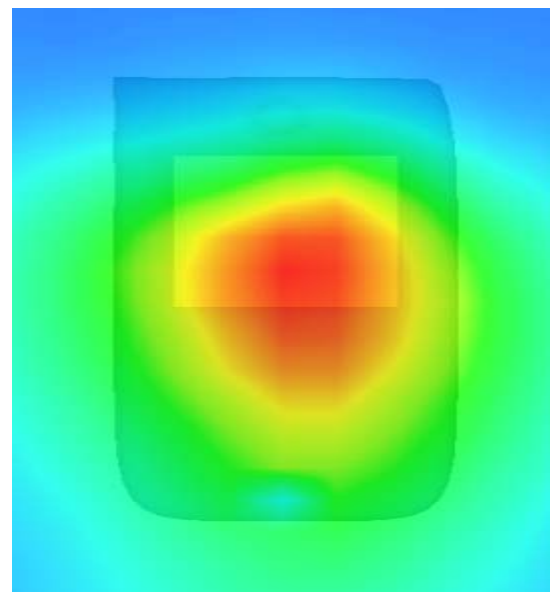
SAR, Z Axis Scan (X = 2, Y = 7)



3D scene shot



Hot spot position



MEASUREMENT 26

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

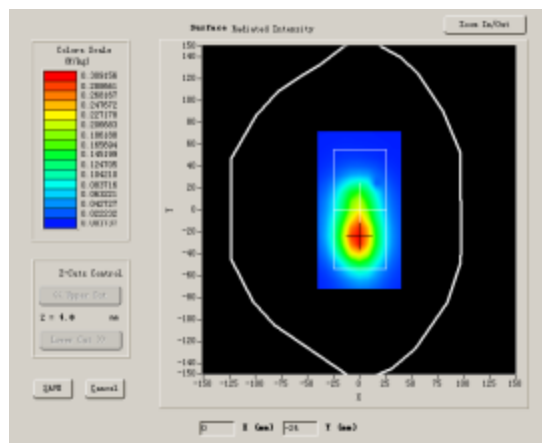
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band5 (10MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

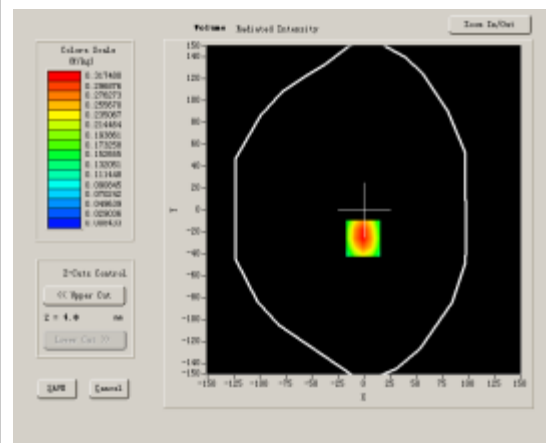
Lower Band SAR (Channel 20450):

Frequency (MHz)	829.000000
Relative permittivity (real part)	54.140000
Conductivity (S/m)	0.960000
Power drift (%)	-1.020000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	28.559,25.681,27.588
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



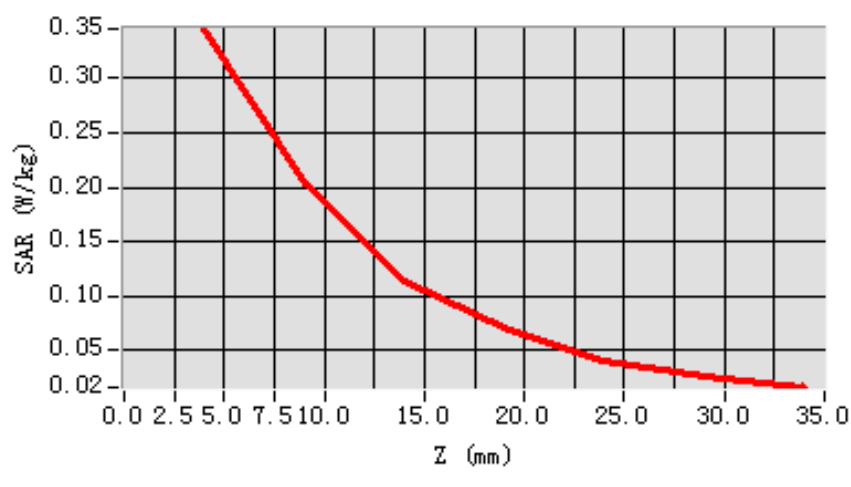
Maximum location: X=-1.00, Y=-26.00

SAR 10g (W/Kg)	0.184569
SAR 1g (W/Kg)	0.326905

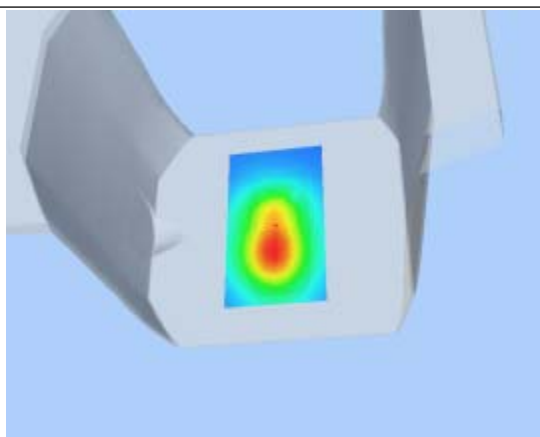
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.3457	0.2022	0.1136	0.0704	0.0399	0.0257

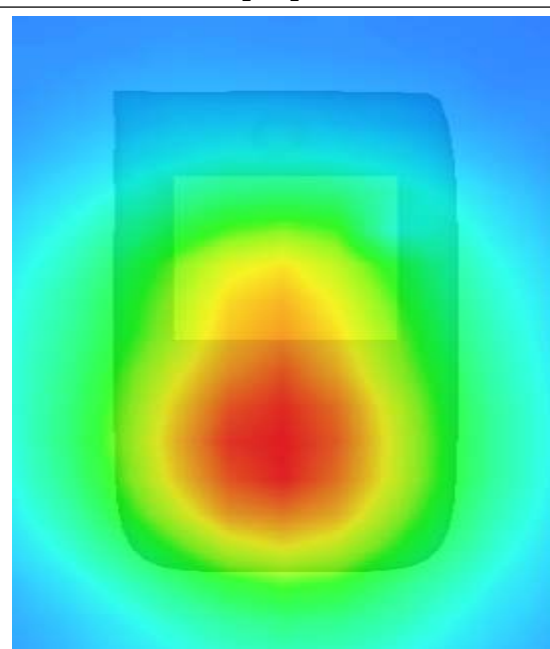
SAR, Z Axis Scan (X = -1, Y = -26)



3D scen shot



Hot spot position



MEASUREMENT 27

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

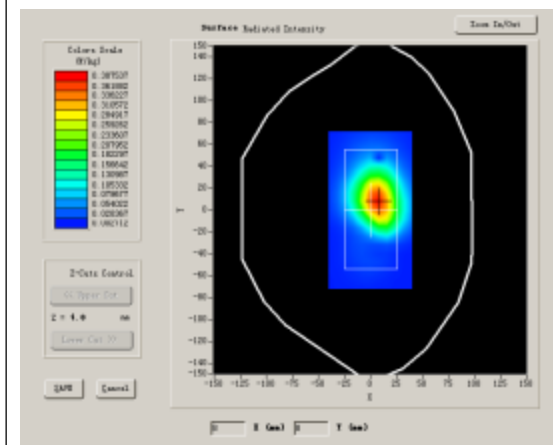
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band5 (10MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

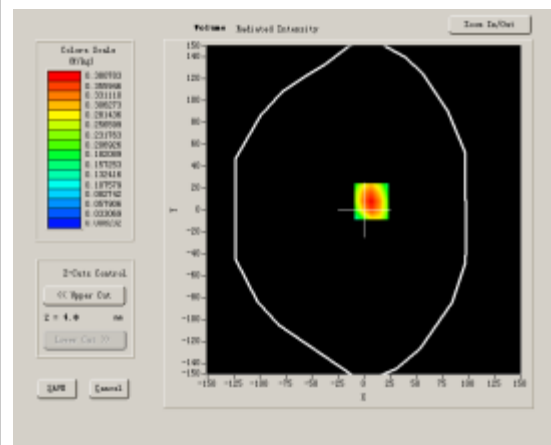
Lower Band SAR (Channel 20450):

Frequency (MHz)	829.000000
Relative permittivity (real part)	54.140000
Conductivity (S/m)	0.960000
Power drift (%)	-0.670000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	28.559,25.681,27.588
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



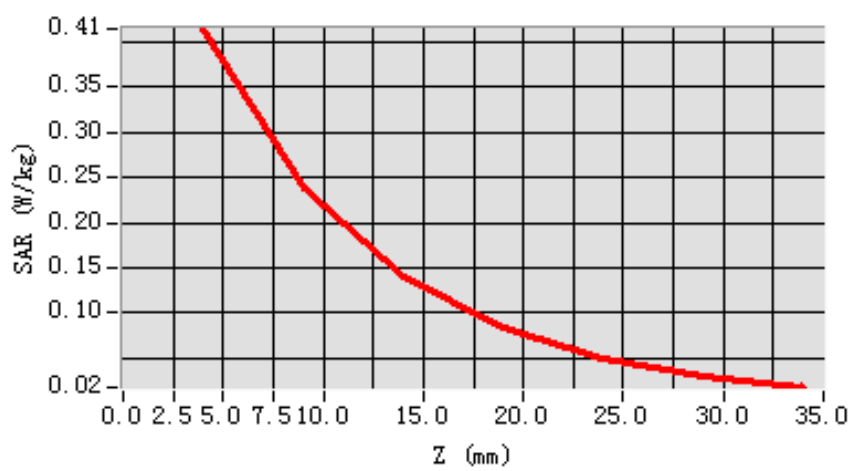
Maximum location: X=7.00, Y=8.00

SAR 10g (W/Kg)	0.223560
SAR 1g (W/Kg)	0.393563

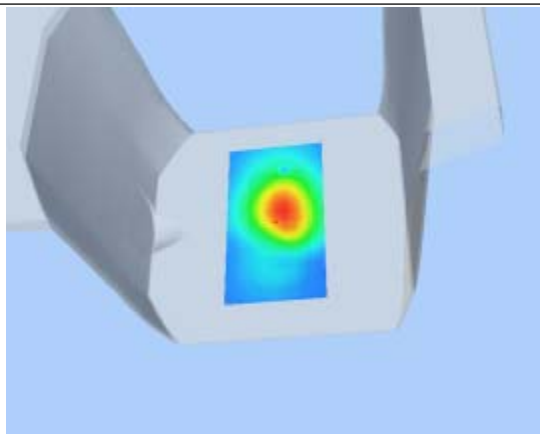
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.4146	0.2387	0.1400	0.0846	0.0484	0.0296

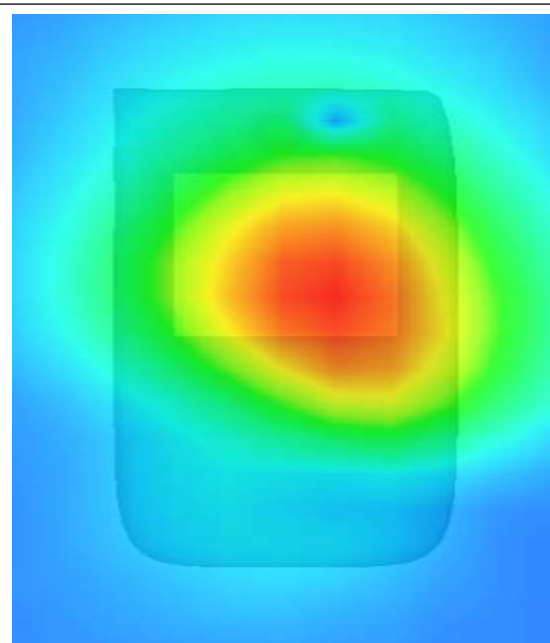
SAR, Z Axis Scan (X = 7, Y = 8)



3D scen shot



Hot spot position



MEASUREMENT 28

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

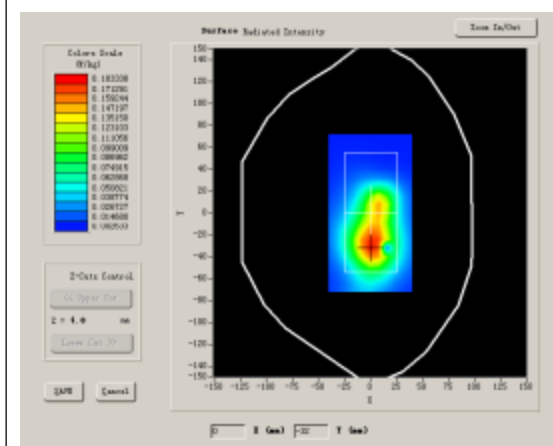
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band5 (10MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

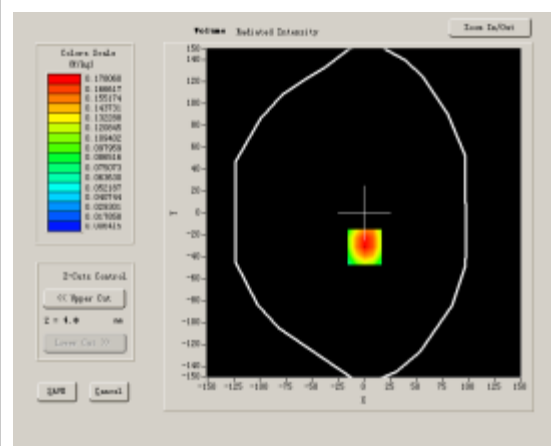
Lower Band SAR (Channel 20450):

Frequency (MHz)	829.000000
Relative permittivity (real part)	54.140000
Conductivity (S/m)	0.960000
Power drift (%)	-0.650000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	28.559,25.681,27.588
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



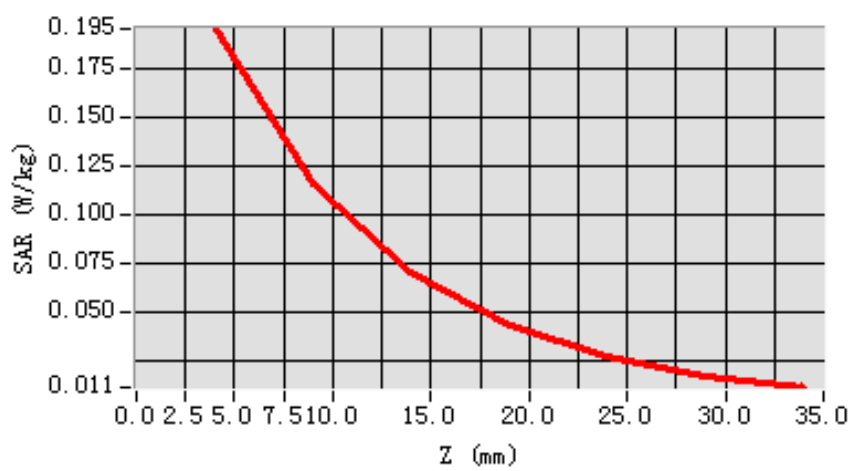
Maximum location: X=1.00, Y=-31.00

SAR 10g (W/Kg)	0.110693
SAR 1g (W/Kg)	0.188546

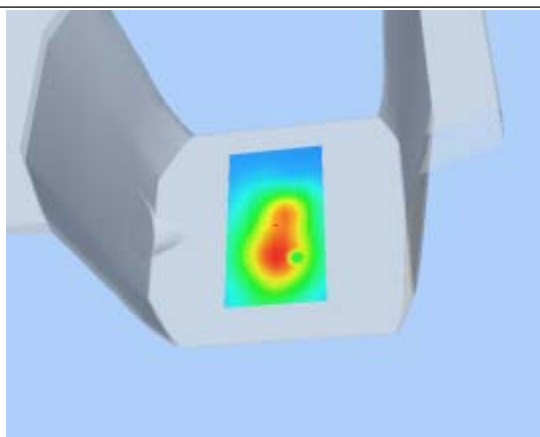
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1955	0.1156	0.0709	0.0428	0.0271	0.0173

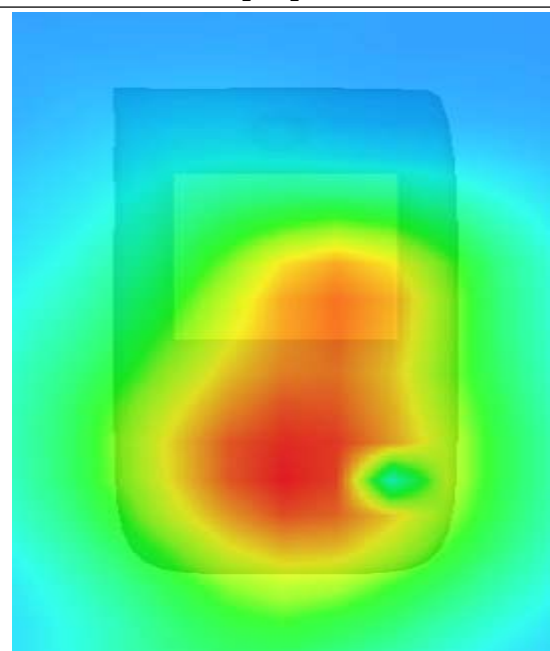
SAR, Z Axis Scan (X = 1, Y = -31)



3D scen shot



Hot spot position



MEASUREMENT 29

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 11 seconds

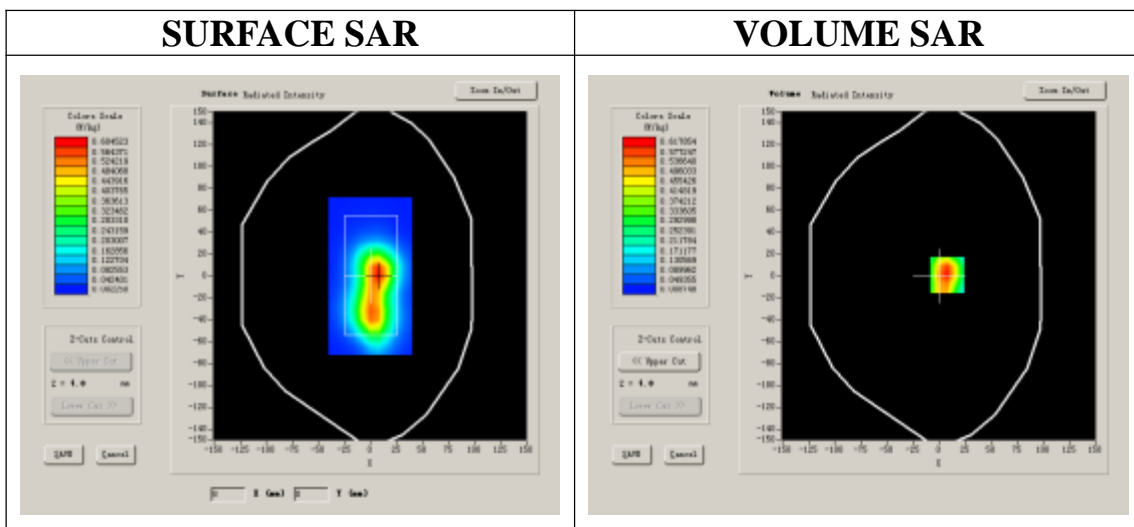
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band5 (10MHz)
Channels	Low
Signal	QPSK_25RB_RB offset 24

B. SAR Measurement Results

Lower Band SAR (Channel 20450):

Frequency (MHz)	829.000000
Relative permittivity (real part)	54.140000
Conductivity (S/m)	0.960000
Power drift (%)	-0.670000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	28.559,25.681,27.588
Crest factor:	1:1



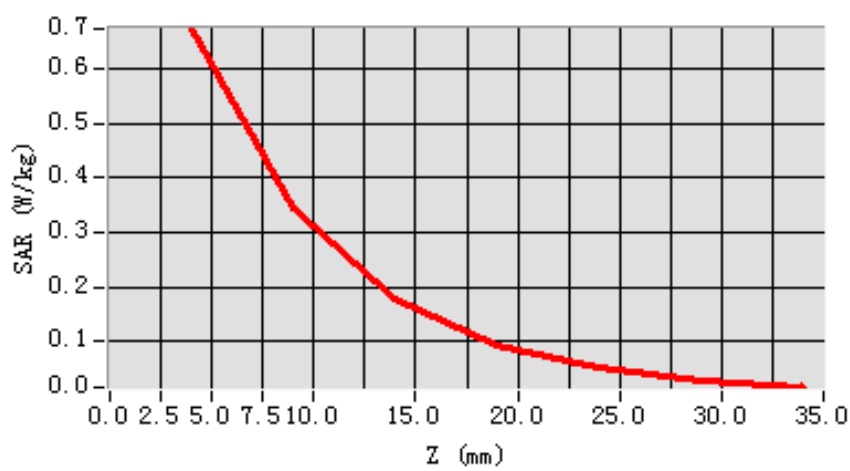
Maximum location: X=8.00, Y=1.00

SAR 10g (W/Kg)	0.326786
SAR 1g (W/Kg)	0.639935

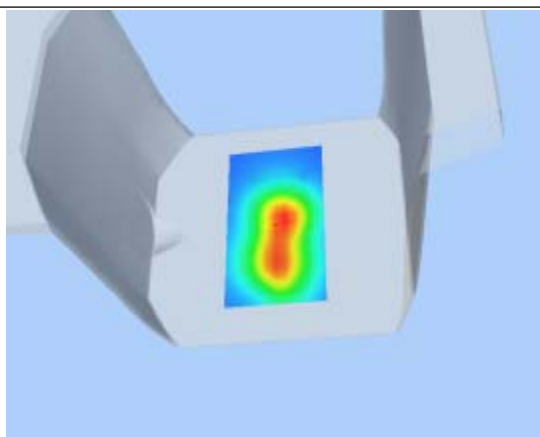
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.6728	0.3441	0.1780	0.0928	0.0510	0.0276

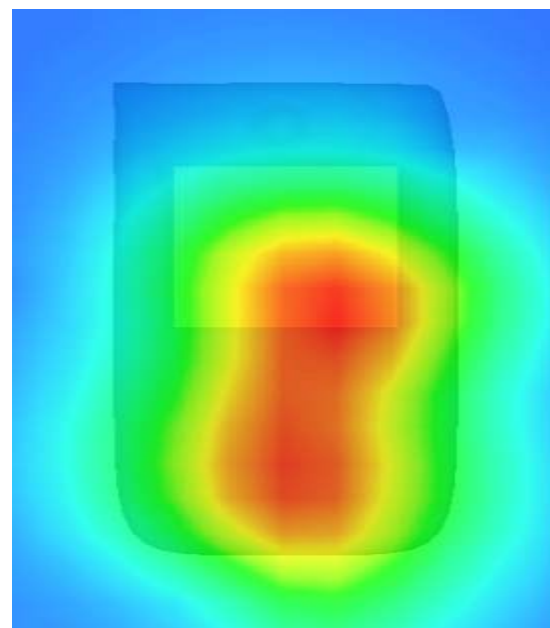
SAR, Z Axis Scan (X = 8, Y = 1)



3D scen shot



Hot spot position



MEASUREMENT 30

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 11 seconds

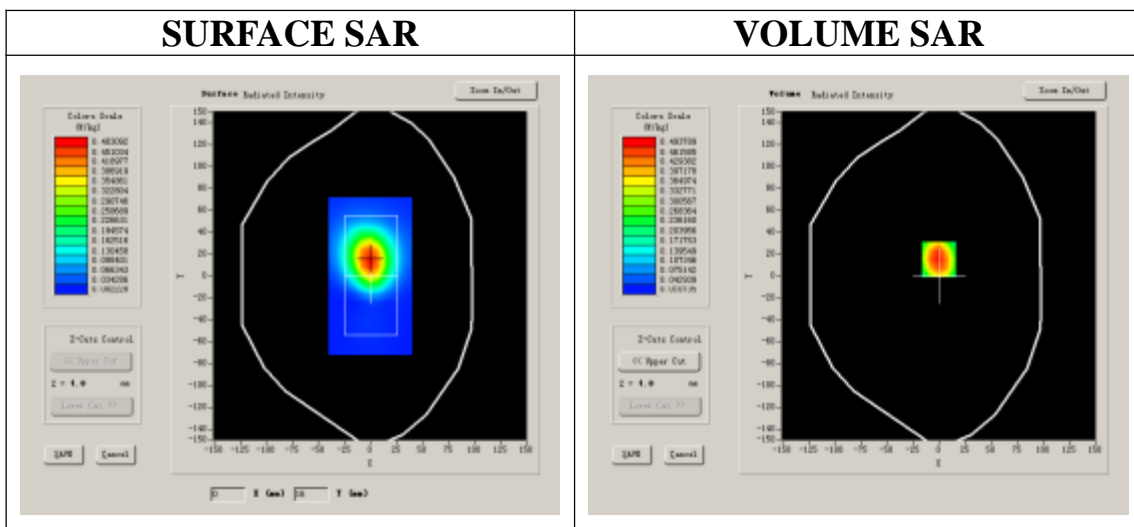
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band5 (10MHz)
Channels	Low
Signal	QPSK_25RB_RB offset 24

B. SAR Measurement Results

Lower Band SAR (Channel 20450):

Frequency (MHz)	829.000000
Relative permittivity (real part)	54.140000
Conductivity (S/m)	0.960000
Power drift (%)	-0.960000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	28.559,25.681,27.588
Crest factor:	1:1



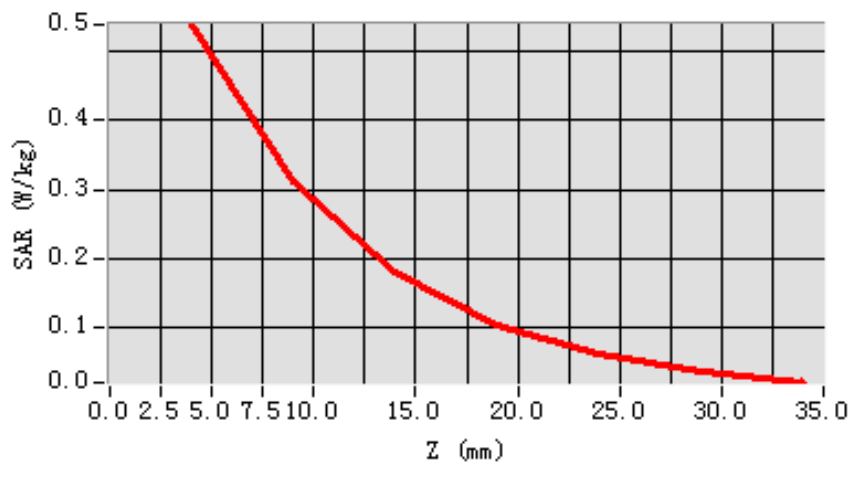
Maximum location: X=0.00, Y=15.00

SAR 10g (W/Kg)	0.287333
SAR 1g (W/Kg)	0.512155

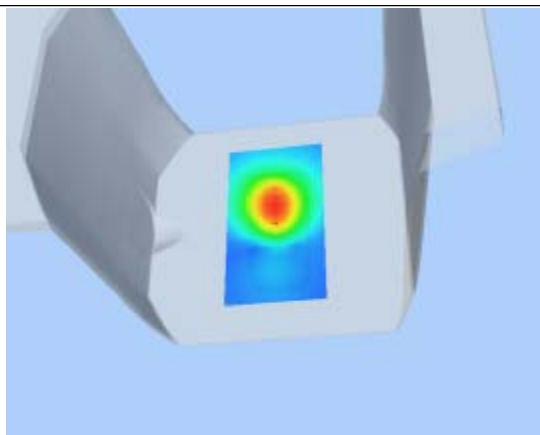
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.5377	0.3097	0.1795	0.1031	0.0623	0.0352

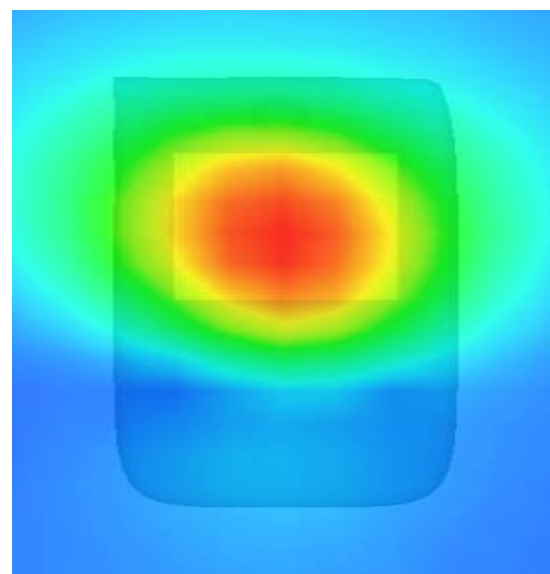
SAR, Z Axis Scan (X = 0, Y = 15)



3D seen shot



Hot spot position



MEASUREMENT 31

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

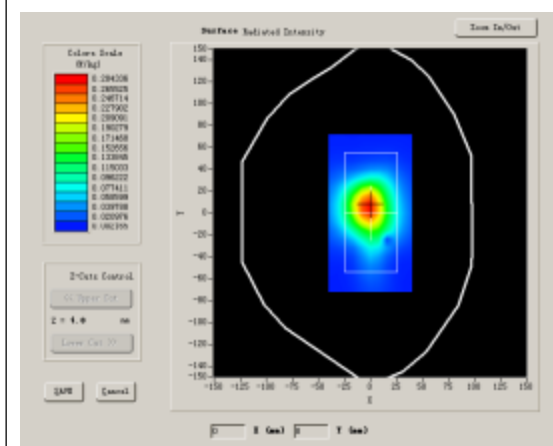
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band5 (10MHz)
Channels	Low
Signal	QPSK_25RB_RB offset 24

B. SAR Measurement Results

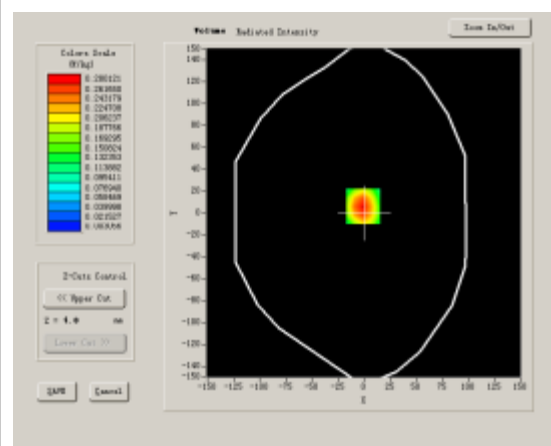
Lower Band SAR (Channel 20450):

Frequency (MHz)	829.000000
Relative permittivity (real part)	54.140000
Conductivity (S/m)	0.960000
Power drift (%)	-1.050000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	28.559,25.681,27.588
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



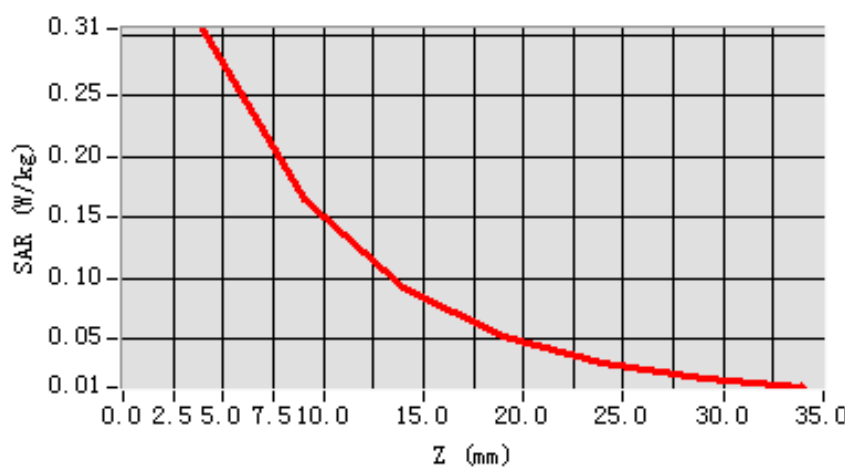
Maximum location: X=-1.00, Y=6.00

SAR 10g (W/Kg)	0.159885
SAR 1g (W/Kg)	0.290114

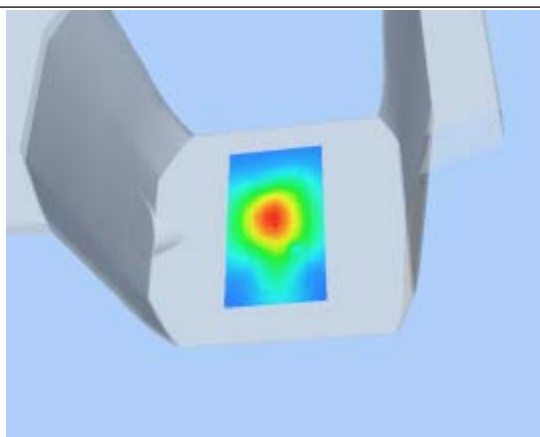
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.3050	0.1645	0.0925	0.0521	0.0302	0.0184

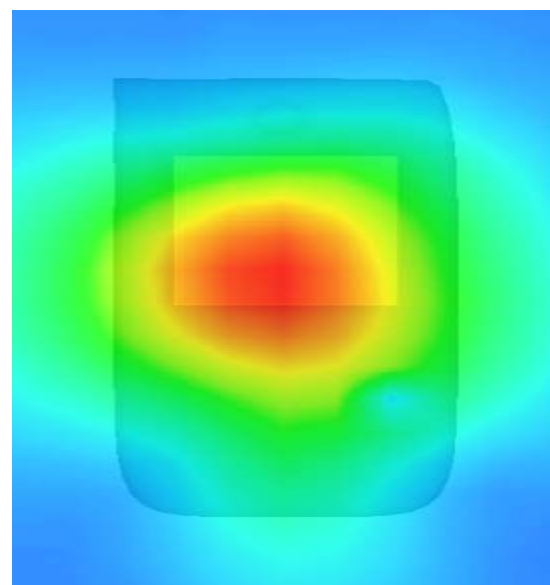
SAR, Z Axis Scan (X = -1, Y = 6)



3D scen shot



Hot spot position



MEASUREMENT 32

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

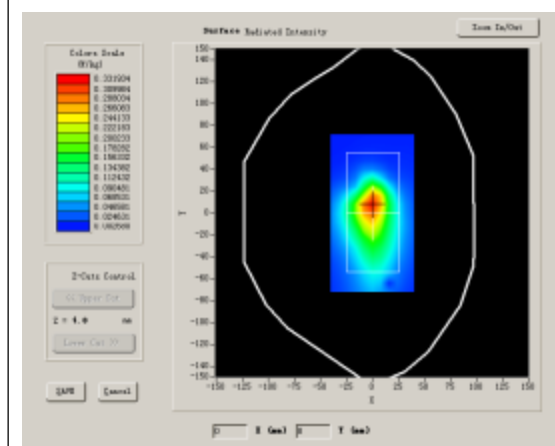
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band5 (10MHz)
Channels	Low
Signal	QPSK_25RB_RB offset 24

B. SAR Measurement Results

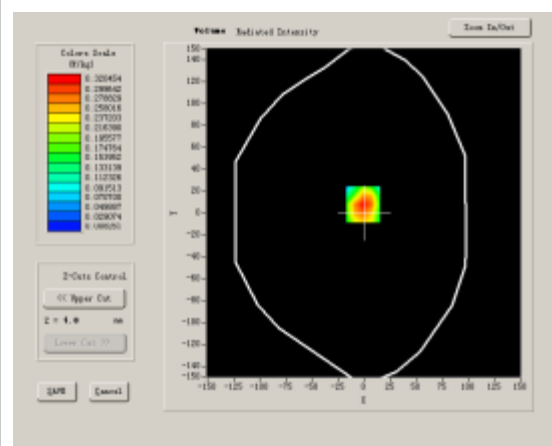
Lower Band SAR (Channel 20450):

Frequency (MHz)	829.000000
Relative permittivity (real part)	54.140000
Conductivity (S/m)	0.960000
Power drift (%)	-0.830000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	28.559,25.681,27.588
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



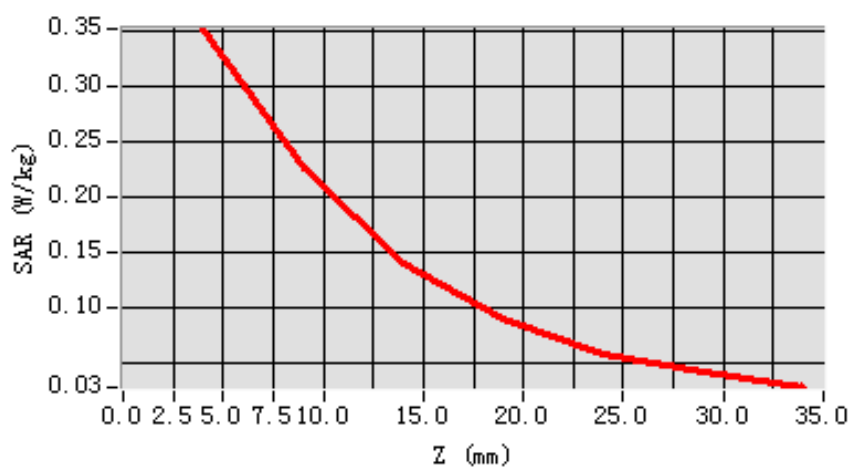
Maximum location: X=-1.00, Y=8.00

SAR 10g (W/Kg)	0.201118
SAR 1g (W/Kg)	0.332342

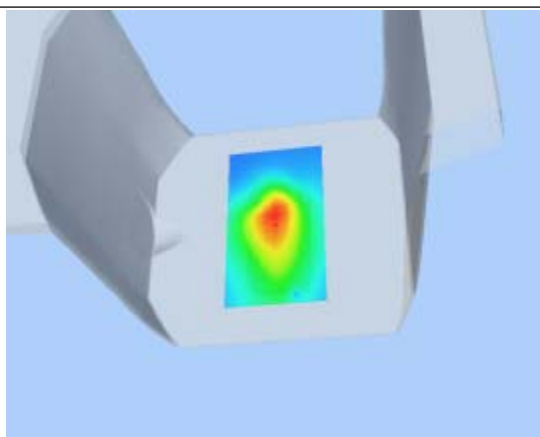
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.3518	0.2258	0.1394	0.0905	0.0590	0.0420

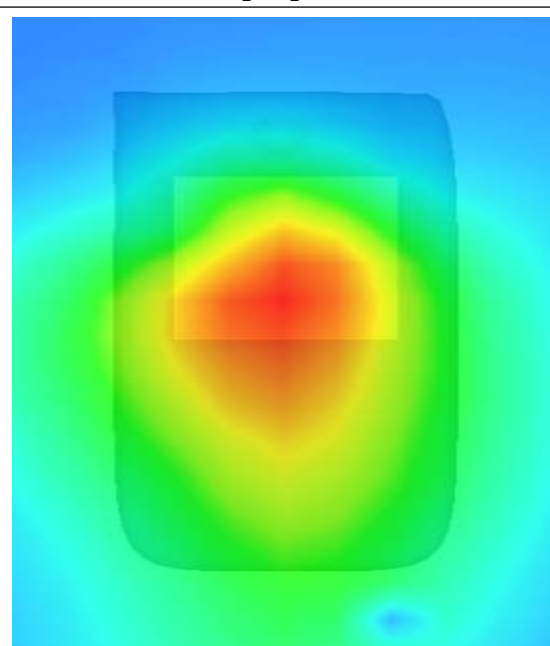
SAR, Z Axis Scan (X = -1, Y = 8)



3D scen shot



Hot spot position



MEASUREMENT 33

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.9

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

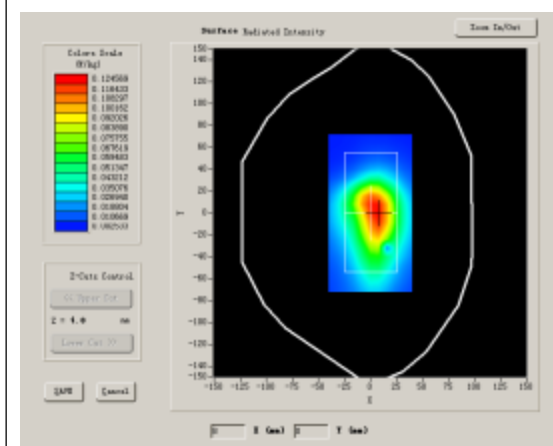
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band5 (10MHz)
Channels	Low
Signal	QPSK_25RB_RB offset 24

B. SAR Measurement Results

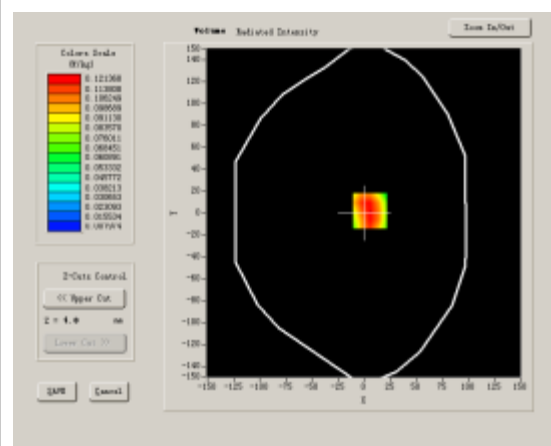
Lower Band SAR (Channel 20450):

Frequency (MHz)	829.000000
Relative permittivity (real part)	54.140000
Conductivity (S/m)	0.960000
Power drift (%)	-1.070000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	28.559,25.681,27.588
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



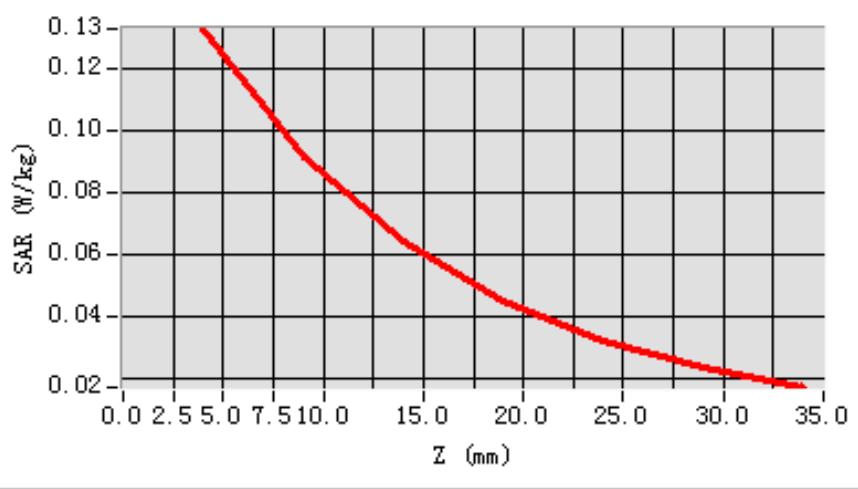
Maximum location: X=6.00, Y=2.00

SAR 10g (W/Kg)	0.084967
SAR 1g (W/Kg)	0.128517

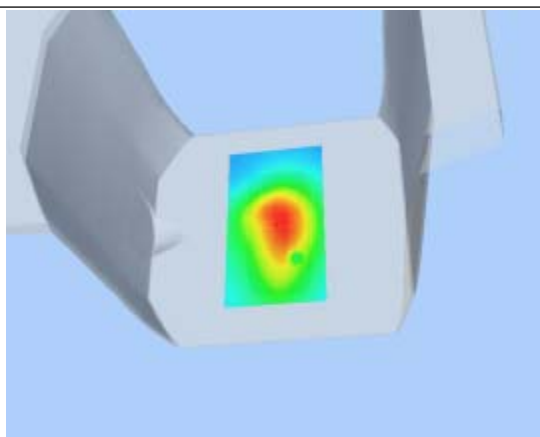
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1332	0.0915	0.0643	0.0451	0.0319	0.0237

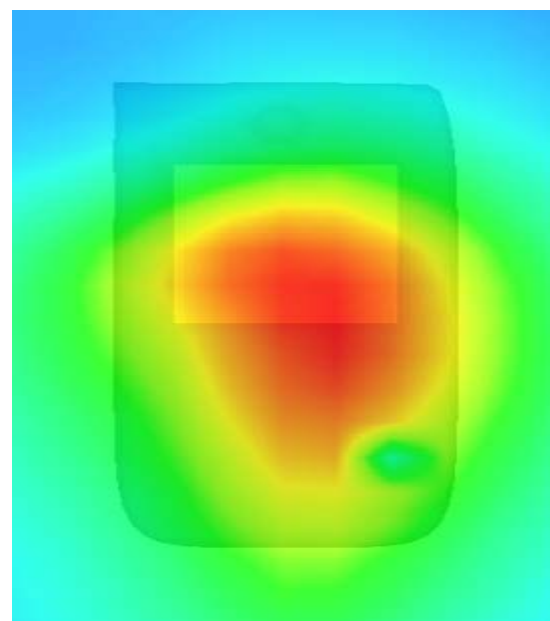
SAR, Z Axis Scan (X = 6, Y = 2)



3D scen shot



Hot spot position



MEASUREMENT 34

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.8

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

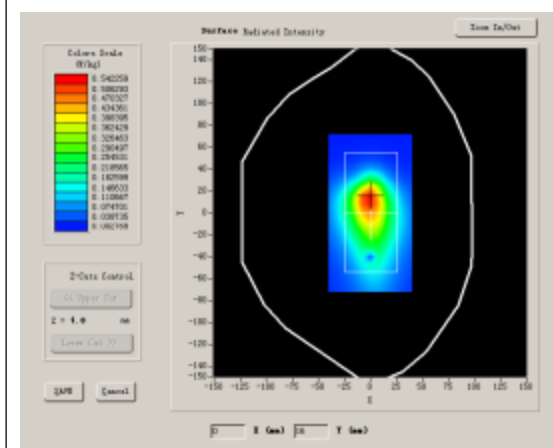
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	High
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

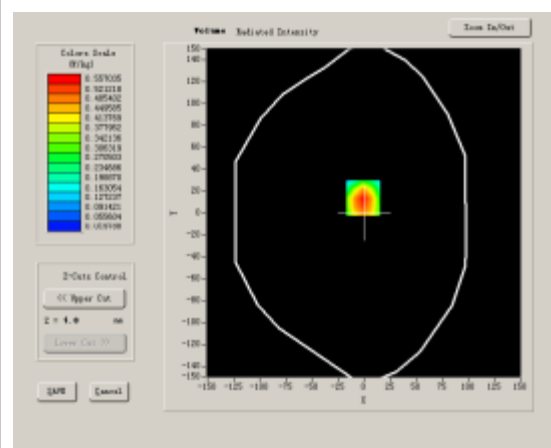
Higher Band SAR (Channel 23800):

Frequency (MHz)	711.000000
Relative permittivity (real part)	54.610000
Conductivity (S/m)	0.970000
Power drift (%)	-1.070000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	27.632,26.015,26.912
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



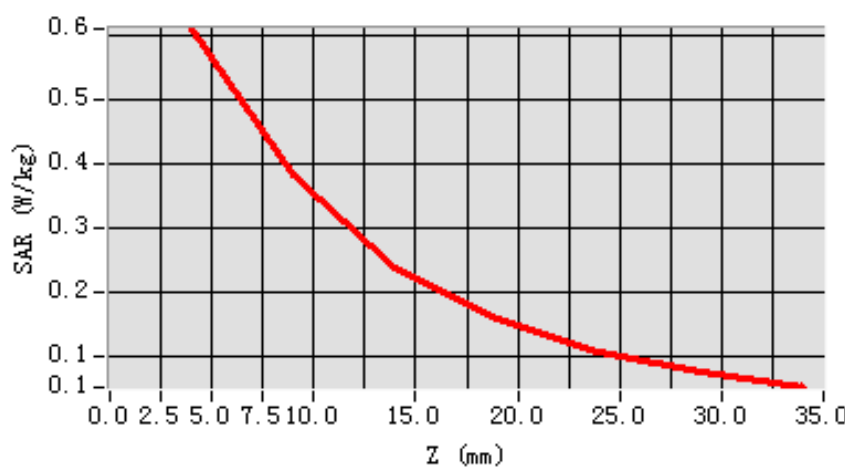
Maximum location: X=-1.00, Y=14.00

SAR 10g (W/Kg)	0.349924
SAR 1g (W/Kg)	0.582058

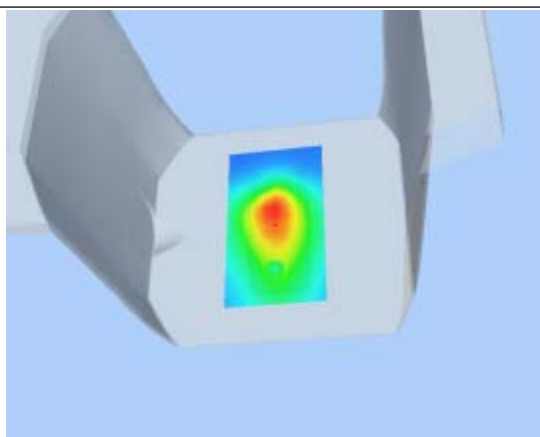
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.6115	0.3819	0.2382	0.1572	0.1067	0.0745

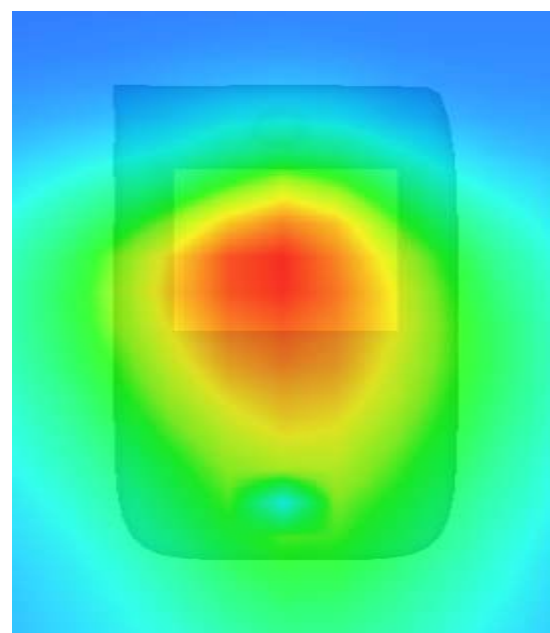
SAR, Z Axis Scan (X = -1, Y = 14)



3D scen shot



Hot spot position



MEASUREMENT 35

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.8

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

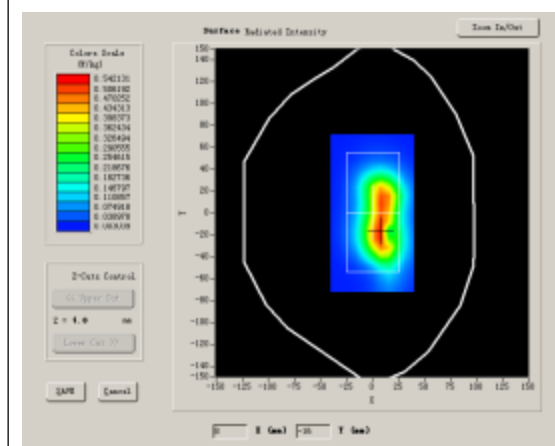
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	High
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

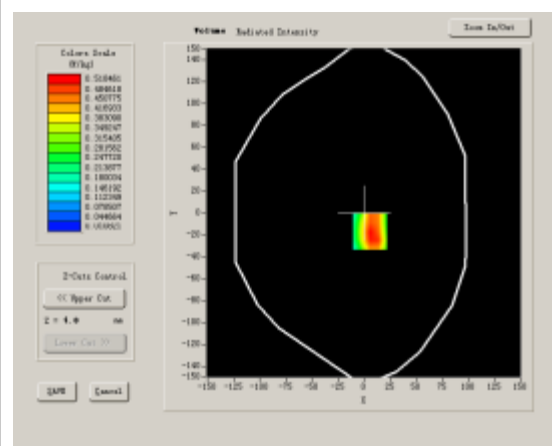
Higher Band SAR (Channel 23800):

Frequency (MHz)	711.000000
Relative permittivity (real part)	54.610000
Conductivity (S/m)	0.970000
Power drift (%)	-1.070000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	27.632,26.015,26.912
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



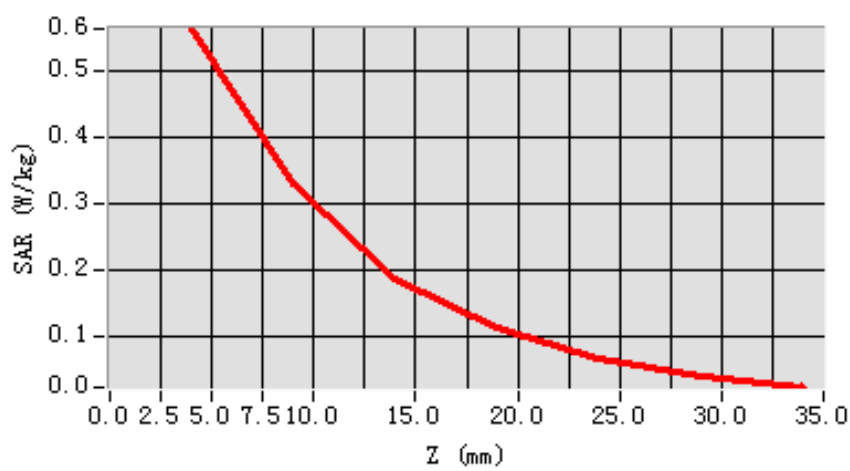
Maximum location: X=6.00, Y=-17.00

SAR 10g (W/Kg)	0.303711
SAR 1g (W/Kg)	0.542182

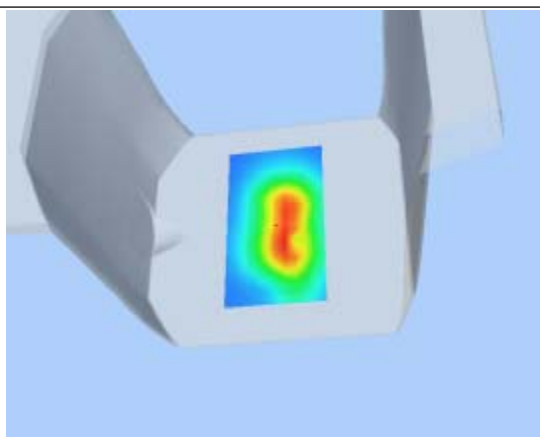
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.5646	0.3302	0.1886	0.1131	0.0671	0.0396

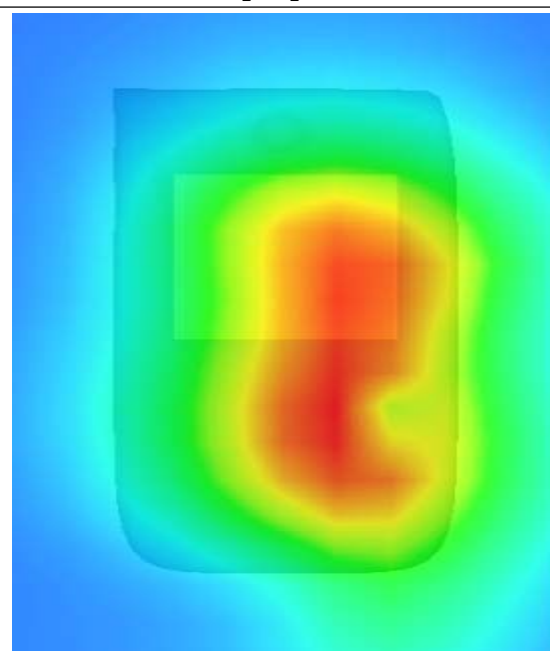
SAR, Z Axis Scan (X = 6, Y = -17)



3D scen shot



Hot spot position



MEASUREMENT 36

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.8

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

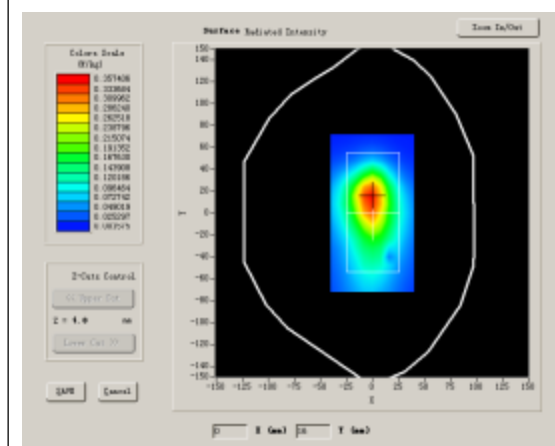
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	High
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

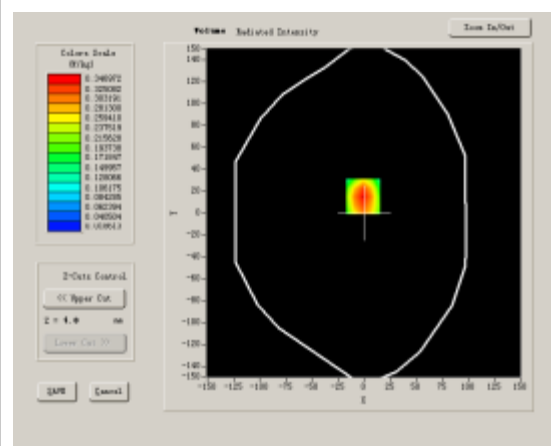
Higher Band SAR (Channel 23800):

Frequency (MHz)	711.000000
Relative permittivity (real part)	54.610000
Conductivity (S/m)	0.970000
Power drift (%)	-1.340000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	27.632,26.015,26.912
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



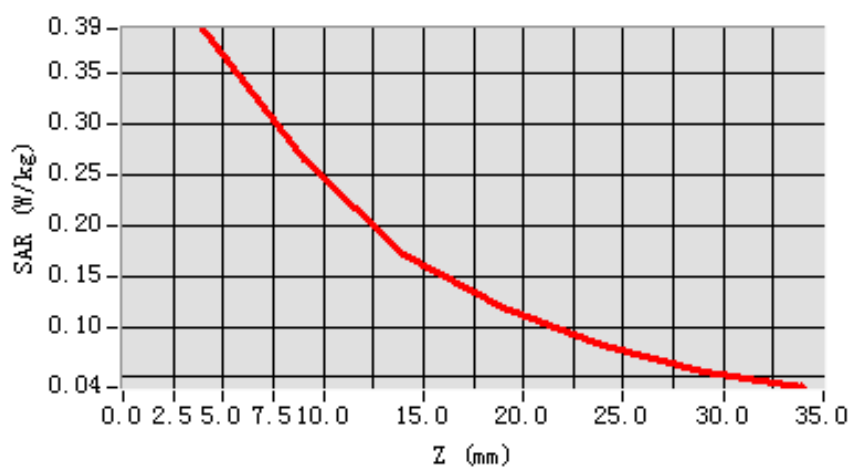
Maximum location: X=-1.00, Y=15.00

SAR 10g (W/Kg)	0.235518
SAR 1g (W/Kg)	0.373514

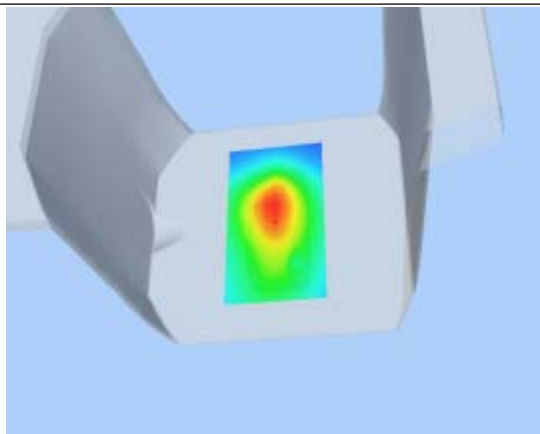
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.3940	0.2649	0.1713	0.1185	0.0814	0.0562

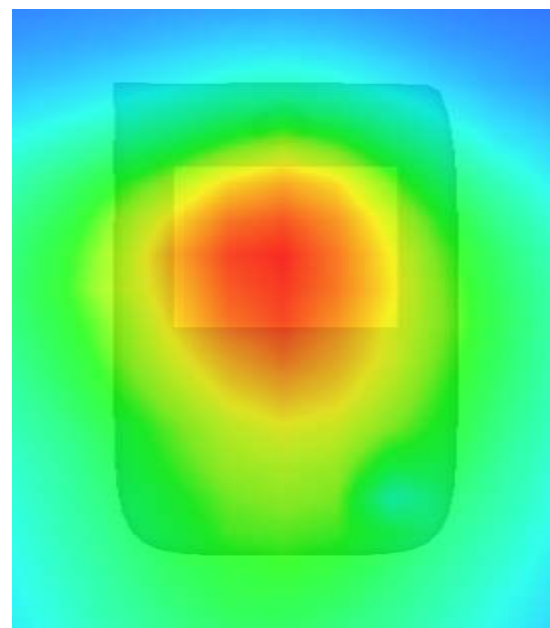
SAR, Z Axis Scan (X = -1, Y = 15)



3D scen shot



Hot spot position



MEASUREMENT 37

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.8

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

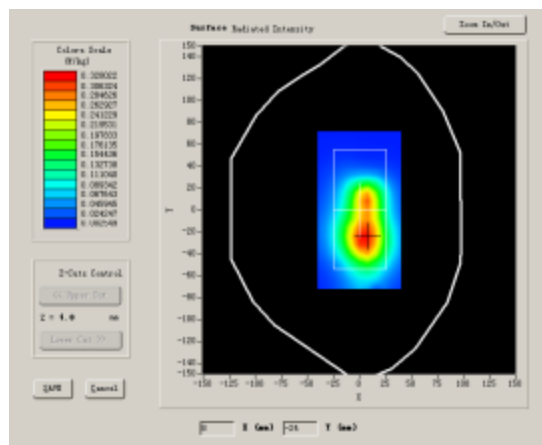
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	High
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

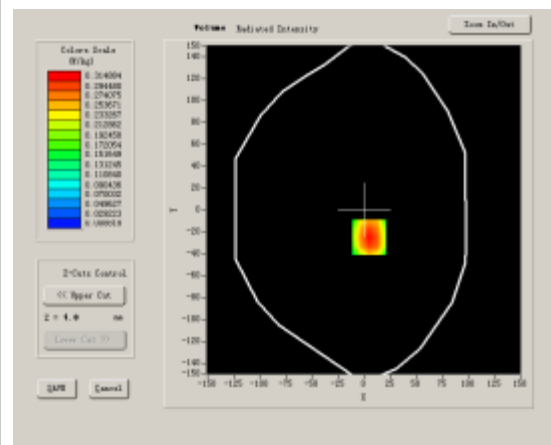
Higher Band SAR (Channel 23800):

Frequency (MHz)	711.000000
Relative permittivity (real part)	54.610000
Conductivity (S/m)	0.970000
Power drift (%)	-1.130000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	27.632,26.015,26.912
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



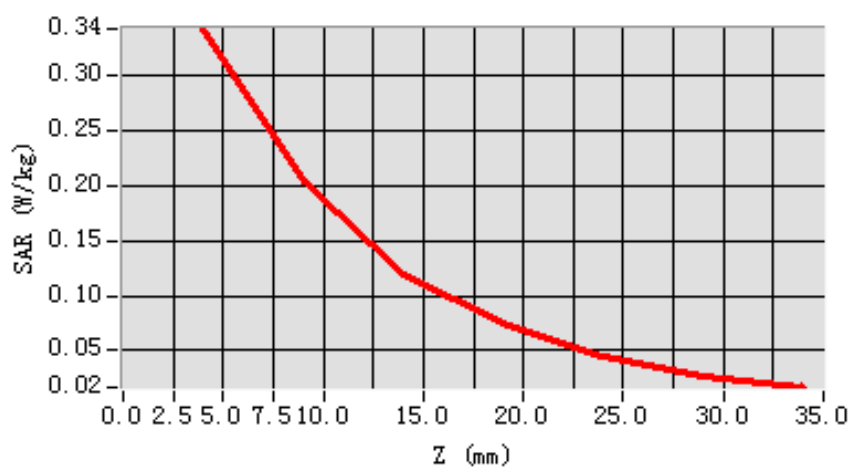
Maximum location: X=5.00, Y=-25.00

SAR 10g (W/Kg)	0.191429
SAR 1g (W/Kg)	0.326147

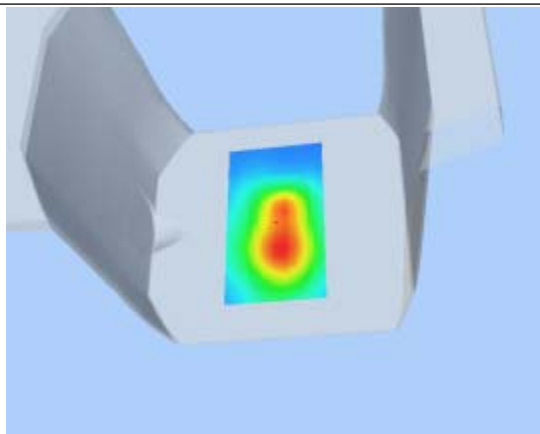
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.3429	0.2048	0.1201	0.0742	0.0441	0.0273

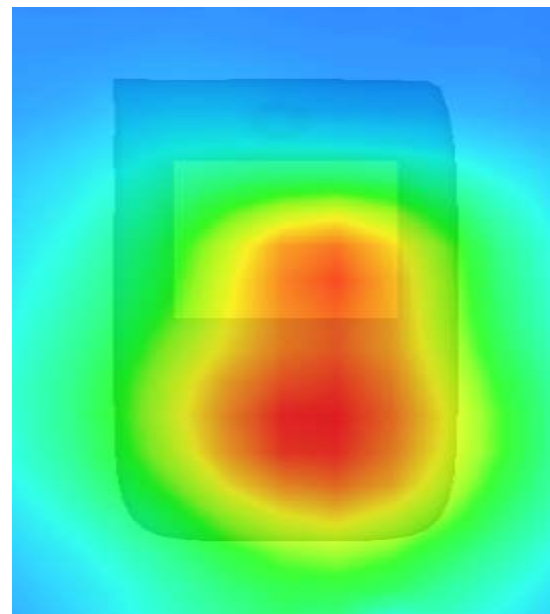
SAR, Z Axis Scan (X = 5, Y = -25)



3D scen shot



Hot spot position



MEASUREMENT 38

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.8

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

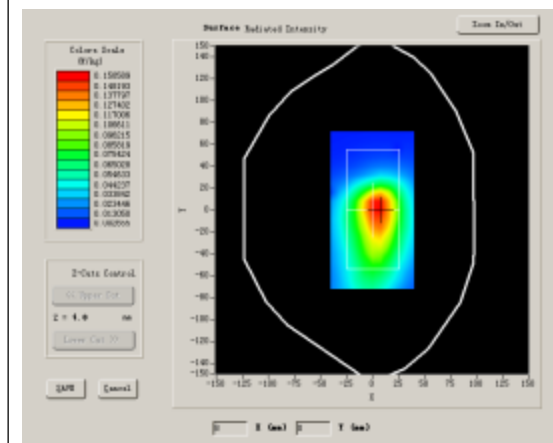
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	High
Signal	QPSK_1RB_RB offset 0

B. SAR Measurement Results

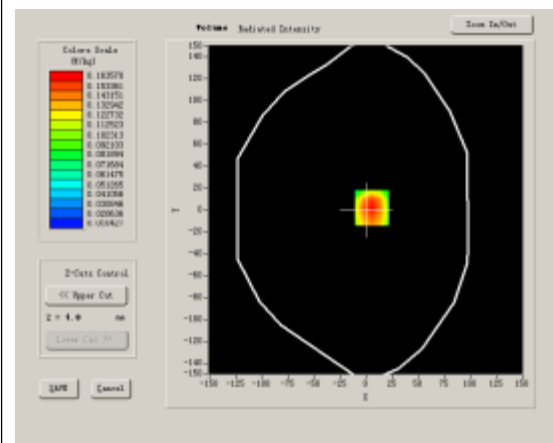
Higher Band SAR (Channel 23800):

Frequency (MHz)	711.000000
Relative permittivity (real part)	54.610000
Conductivity (S/m)	0.970000
Power drift (%)	-1.520000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	27.632,26.015,26.912
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



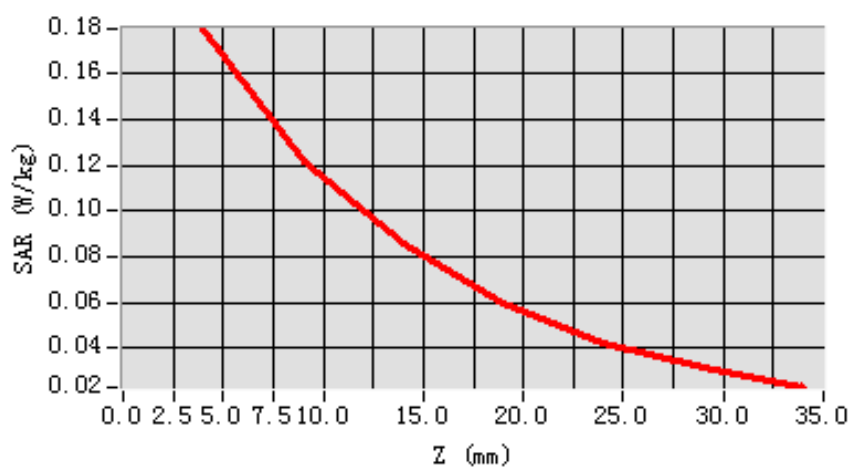
Maximum location: X=6.00, Y=2.00

SAR 10g (W/Kg)	0.110596
SAR 1g (W/Kg)	0.172812

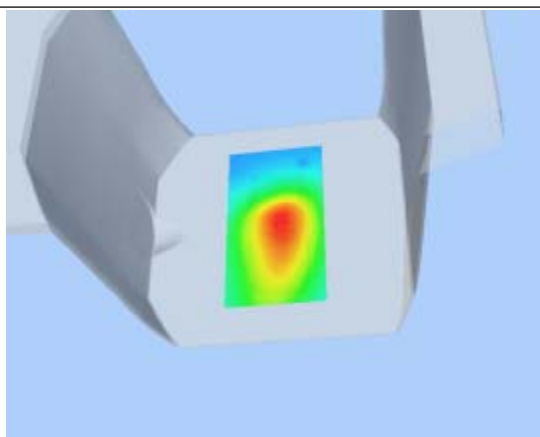
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1796	0.1211	0.0862	0.0595	0.0424	0.0314

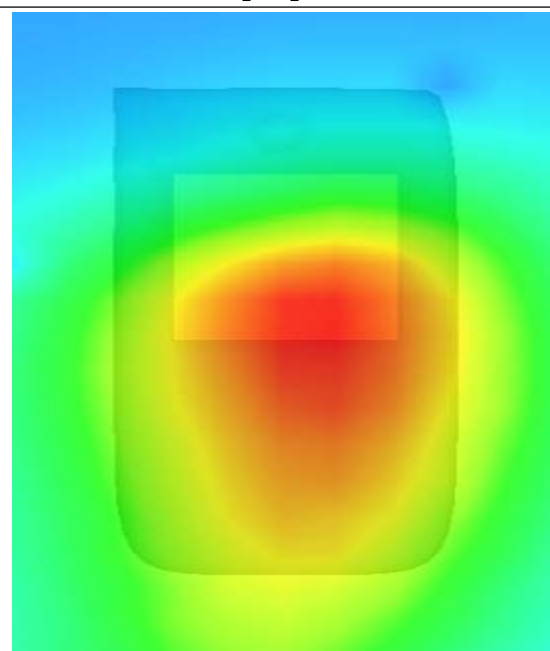
SAR, Z Axis Scan (X = 6, Y = 2)



3D scen shot



Hot spot position



MEASUREMENT 39

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.8

Measurement duration: 13 minutes 11 seconds

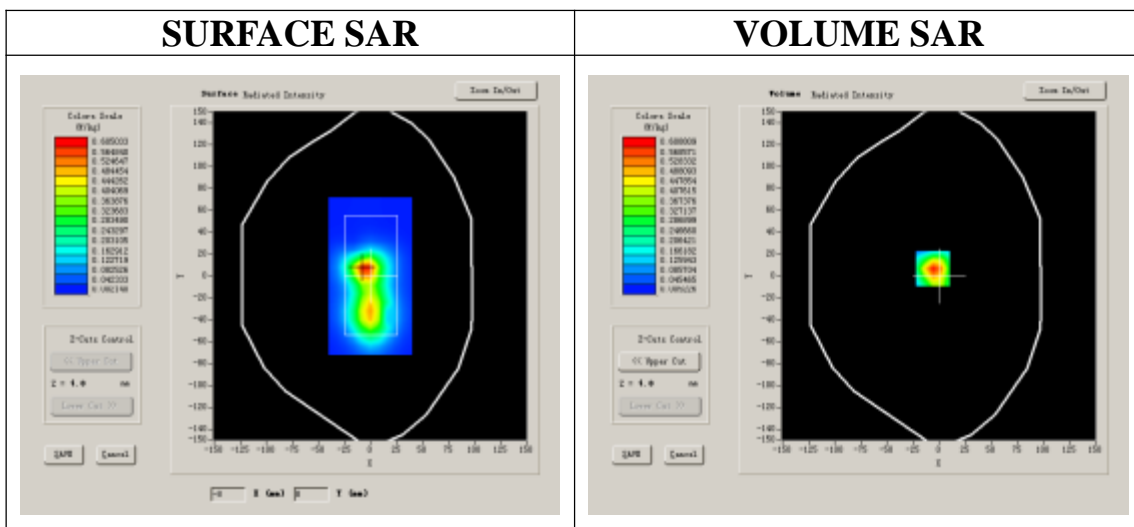
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	Low
Signal	QPSK_25RB_RB offset 0

B. SAR Measurement Results

Lower Band SAR (Channel 23780):

Frequency (MHz)	709.000000
Relative permittivity (real part)	54.610000
Conductivity (S/m)	0.970000
Power drift (%)	-0.900000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	27.632,26.015,26.912
Crest factor:	1:1



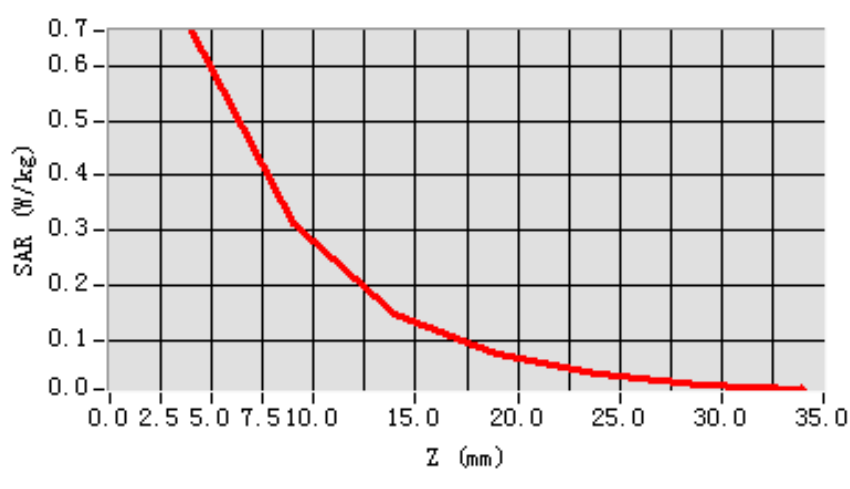
Maximum location: X=-6.00, Y=7.00

SAR 10g (W/Kg)	0.291878
SAR 1g (W/Kg)	0.616263

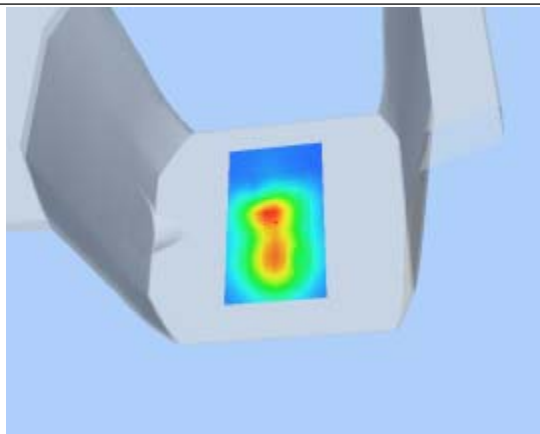
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.6629	0.3118	0.1493	0.0750	0.0387	0.0206

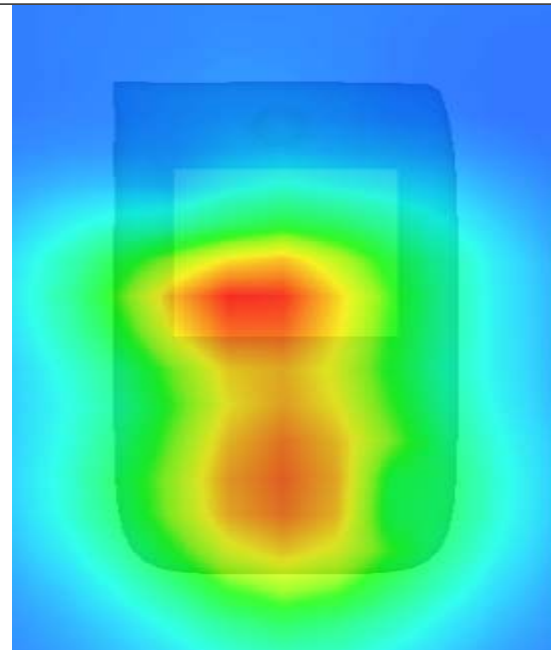
SAR, Z Axis Scan (X = -6, Y = 7)



3D scen shot



Hot spot position



MEASUREMENT 40

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.8

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

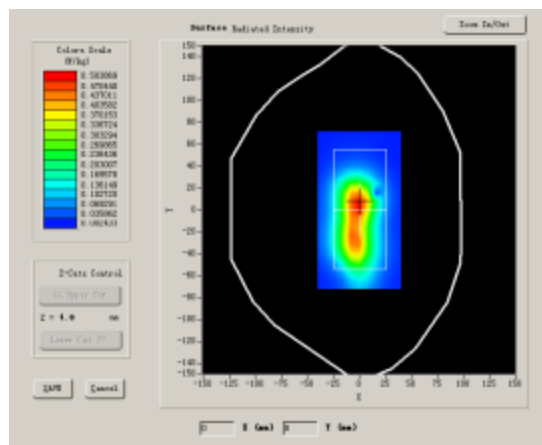
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	Low
Signal	QPSK_25RB_RB offset 0

B. SAR Measurement Results

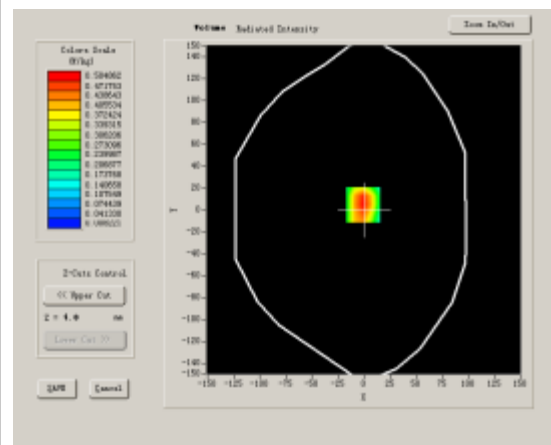
Lower Band SAR (Channel 23780):

Frequency (MHz)	709.000000
Relative permittivity (real part)	54.610000
Conductivity (S/m)	0.970000
Power drift (%)	-1.020000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	27.632,26.015,26.912
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



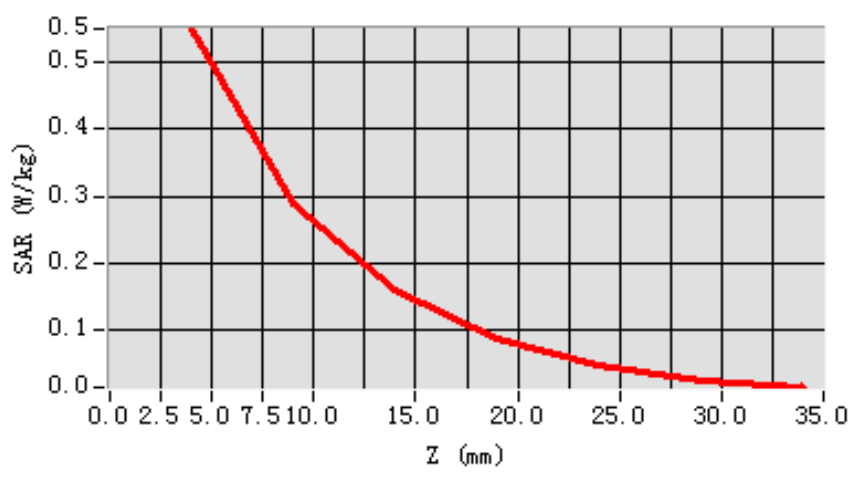
Maximum location: X=-1.00, Y=5.00

SAR 10g (W/Kg)	0.279319
SAR 1g (W/Kg)	0.523375

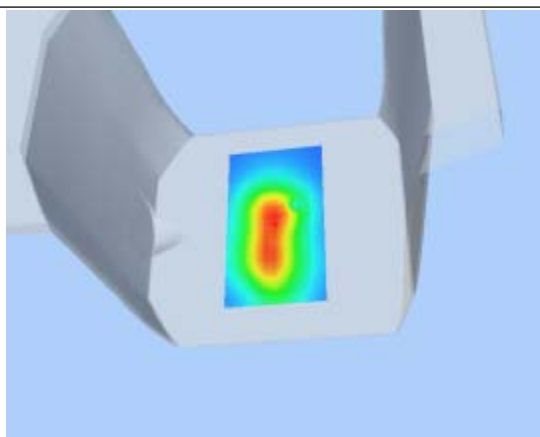
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.5497	0.2905	0.1605	0.0863	0.0463	0.0255

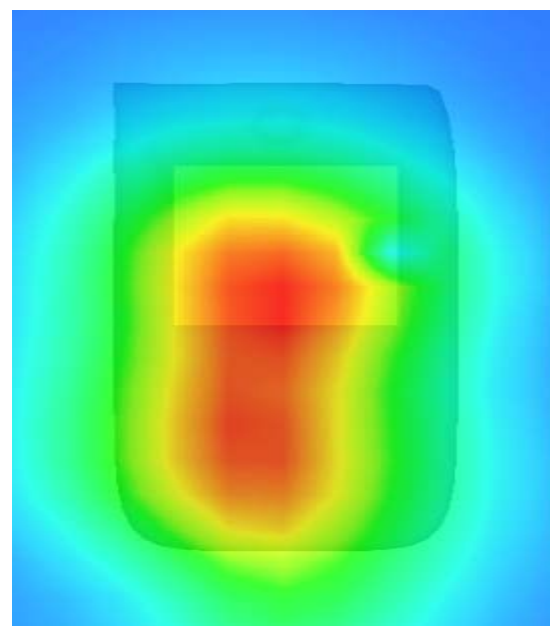
SAR, Z Axis Scan (X = -1, Y = 5)



3D scen shot



Hot spot position



MEASUREMENT 41

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.8

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

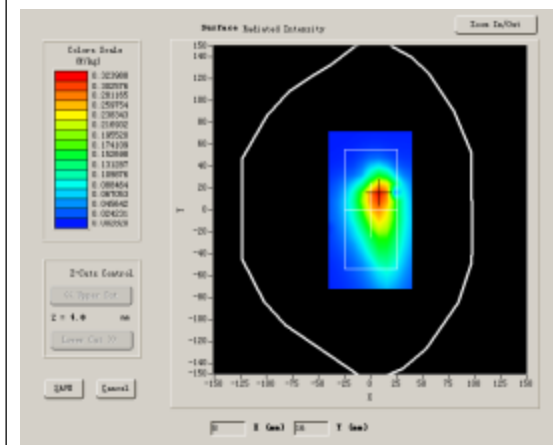
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	Low
Signal	QPSK_25RB_RB offset 0

B. SAR Measurement Results

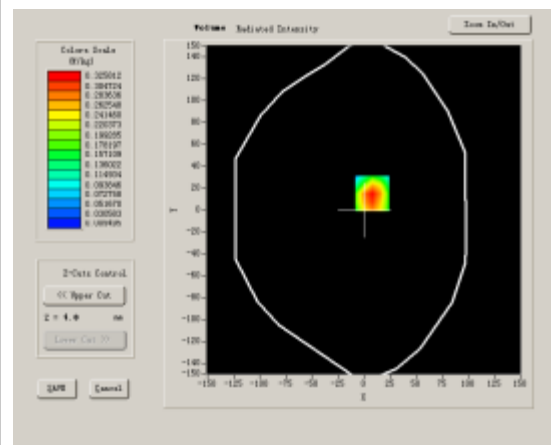
Lower Band SAR (Channel 23780):

Frequency (MHz)	709.000000
Relative permittivity (real part)	54.610000
Conductivity (S/m)	0.970000
Power drift (%)	-0.670000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	27.632,26.015,26.912
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



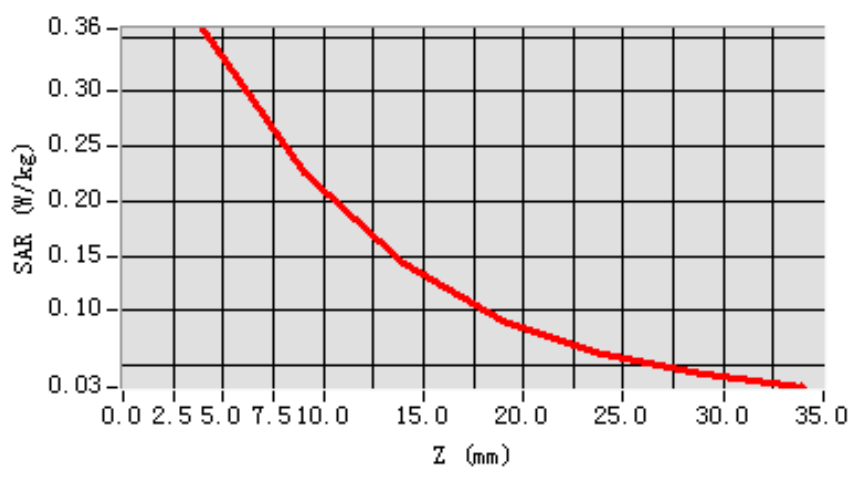
Maximum location: X=8.00, Y=15.00

SAR 10g (W/Kg)	0.205813
SAR 1g (W/Kg)	0.337113

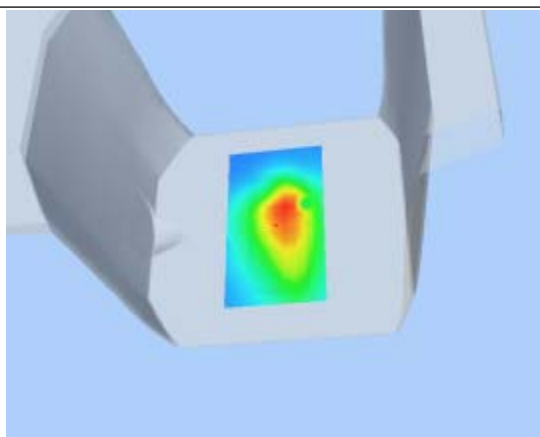
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.3577	0.2253	0.1433	0.0908	0.0605	0.0411

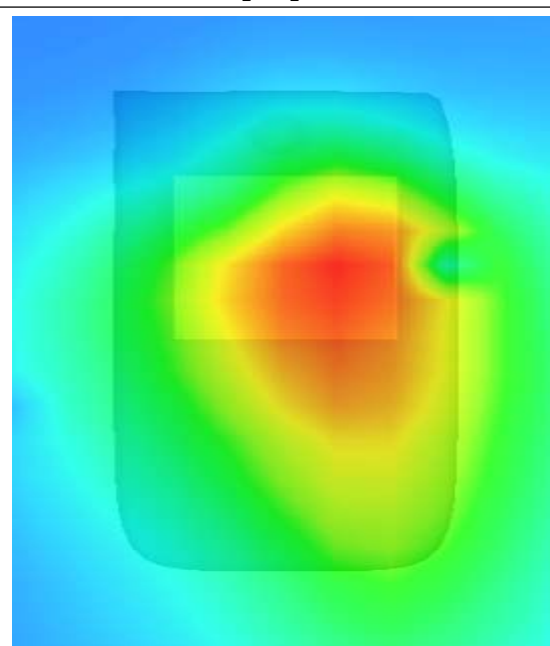
SAR, Z Axis Scan (X = 8, Y = 15)



3D scen shot



Hot spot position



MEASUREMENT 42

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.8

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

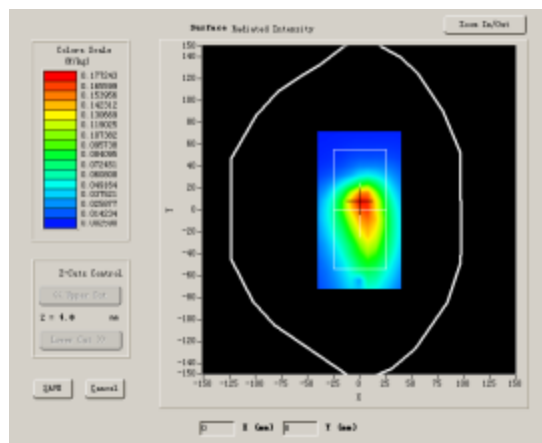
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	Low
Signal	QPSK_25RB_RB offset 0

B. SAR Measurement Results

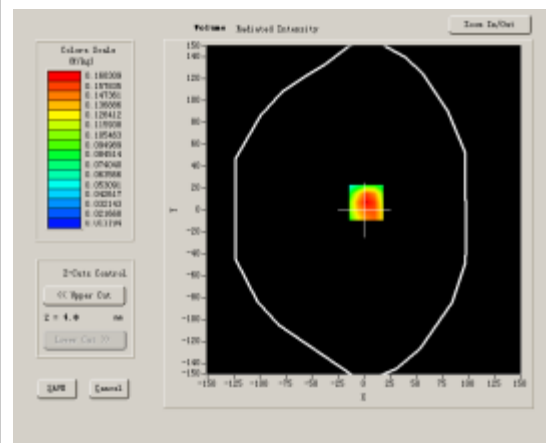
Lower Band SAR (Channel 23780):

Frequency (MHz)	709.000000
Relative permittivity (real part)	54.610000
Conductivity (S/m)	0.970000
Power drift (%)	-0.320000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	27.632,26.015,26.912
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



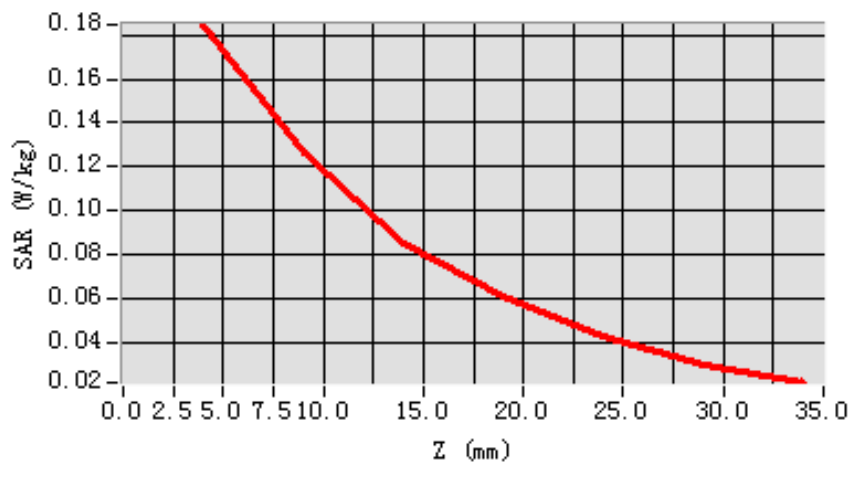
Maximum location: X=2.00, Y=7.00

SAR 10g (W/Kg)	0.114318
SAR 1g (W/Kg)	0.201610

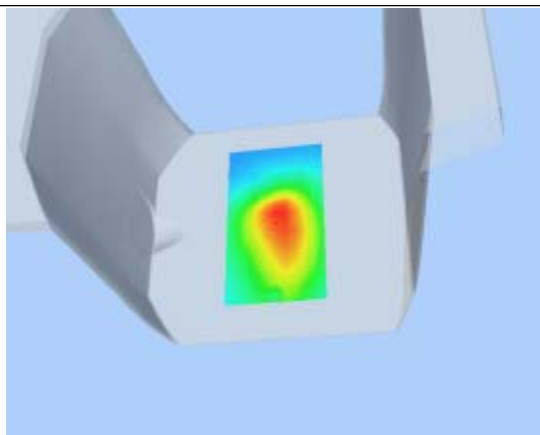
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1848	0.1266	0.0853	0.0604	0.0429	0.0300

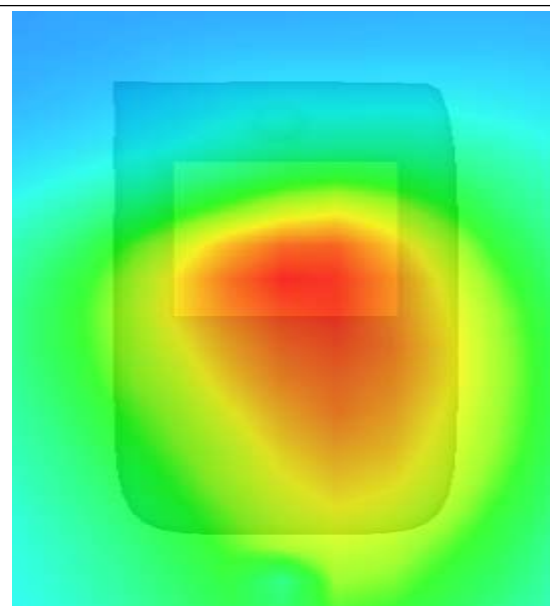
SAR, Z Axis Scan (X = 2, Y = 7)



3D seen shot



Hot spot position



MEASUREMENT 43

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2013.7.8

Measurement duration: 13 minutes 11 seconds

A. Experimental conditions.

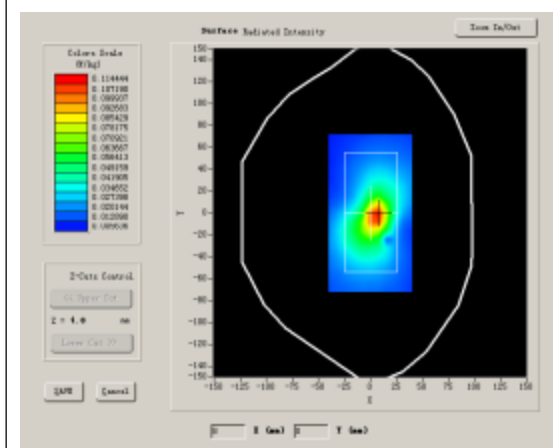
Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	Low
Signal	QPSK_25RB_RB offset 0

B. SAR Measurement Results

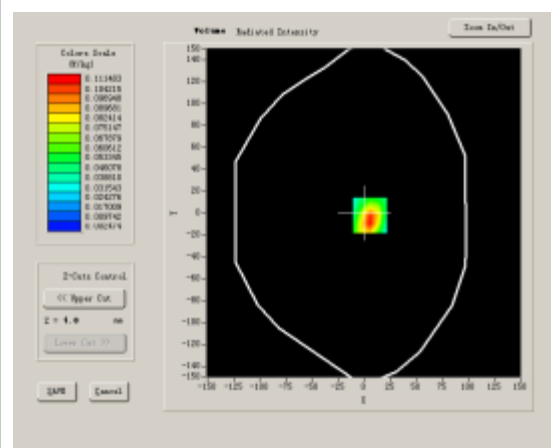
Lower Band SAR (Channel 23780):

Frequency (MHz)	709.000000
Relative permittivity (real part)	54.610000
Conductivity (S/m)	0.970000
Power drift (%)	-0.290000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	27.632,26.015,26.912
Crest factor:	1:1

SURFACE SAR



VOLUME SAR



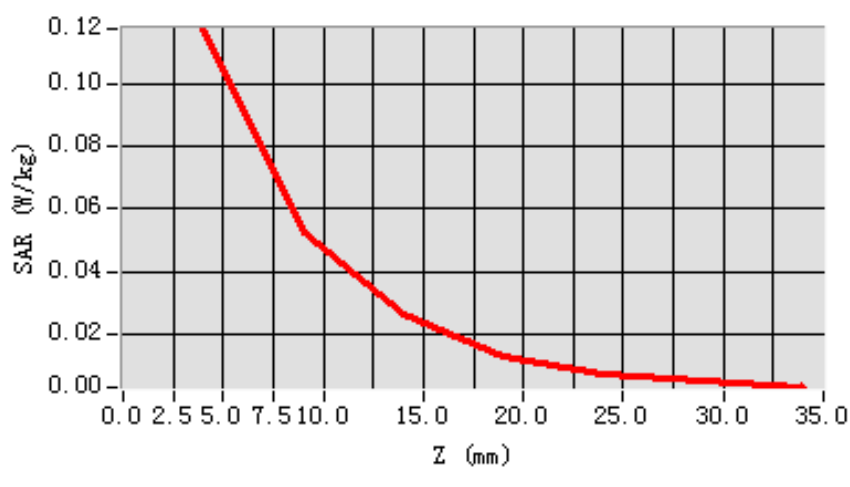
Maximum location: X=6.00, Y=-2.00

SAR 10g (W/Kg)	0.055375
SAR 1g (W/Kg)	0.115830

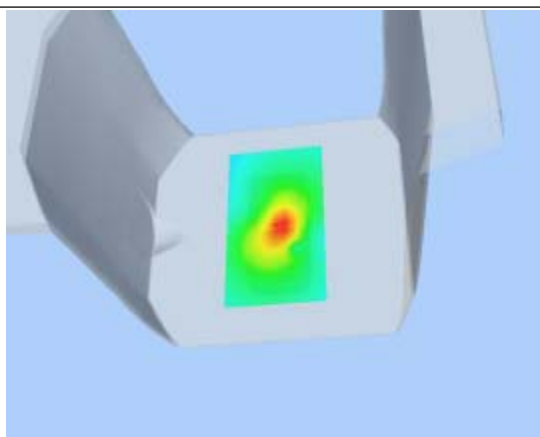
Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.0000	0.1174	0.0526	0.0261	0.0132	0.0076	0.0049

SAR, Z Axis Scan (X = 6, Y = -2)



3D scen shot



Hot spot position

