

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: 2013.12.22

Measurement duration: 13 minutes 11 seconds

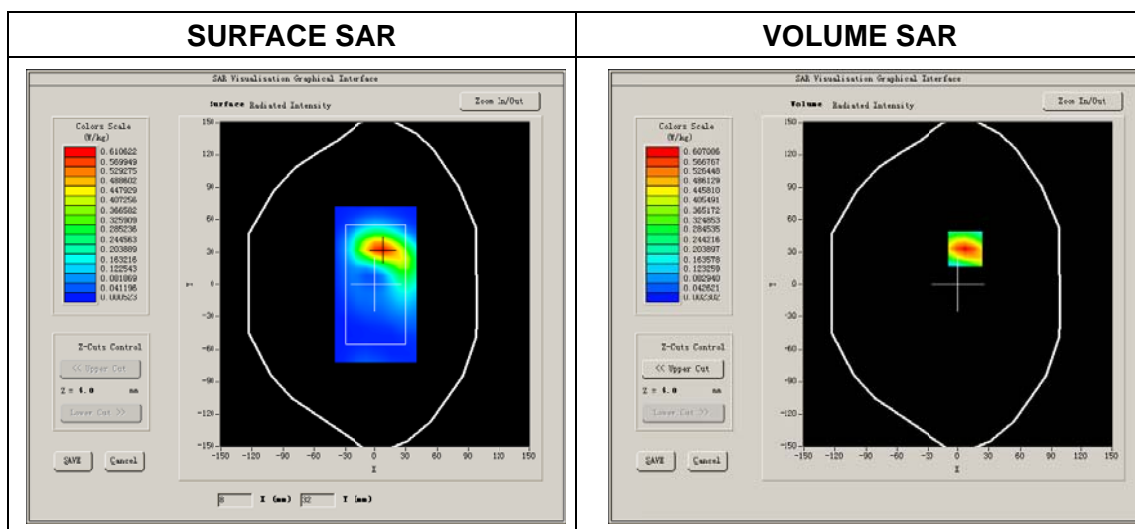
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 99

B. SAR Measurement Results

Lower Band SAR (Channel 20050):

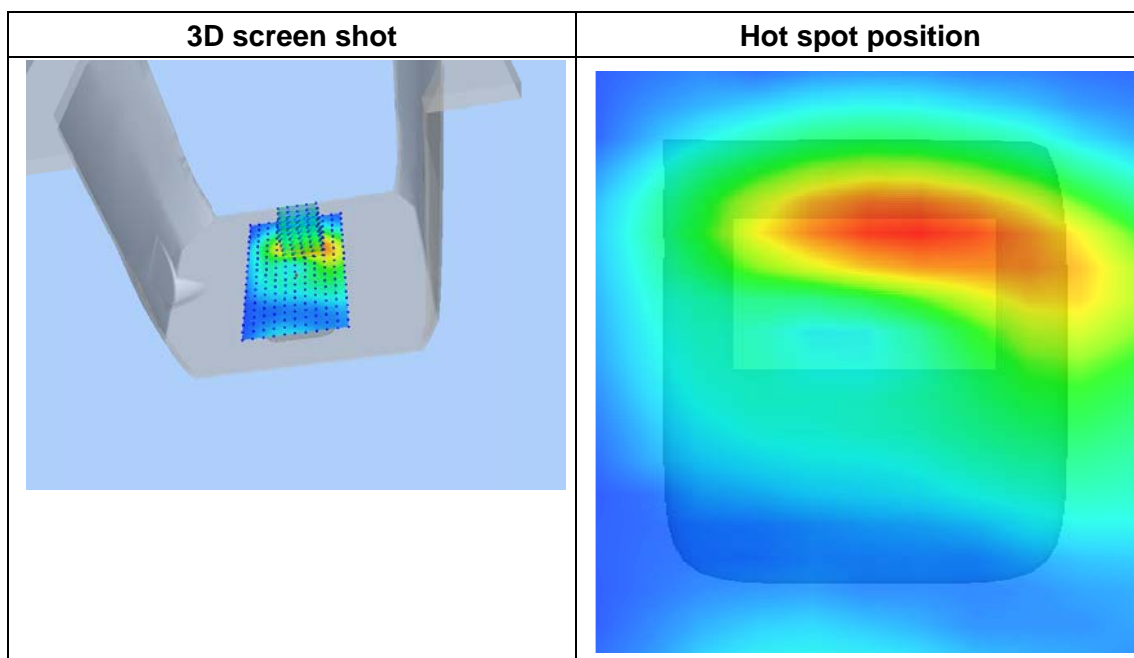
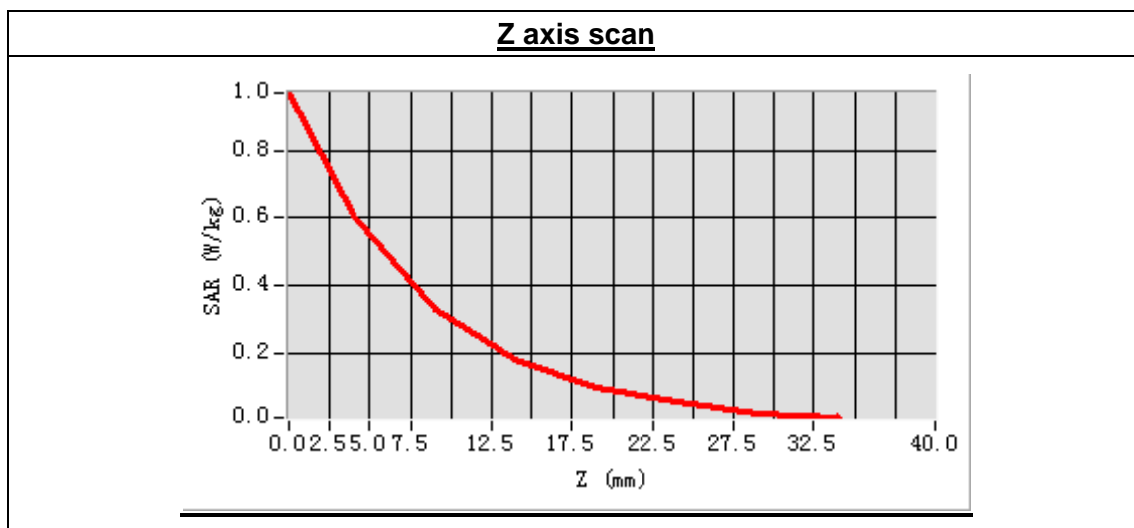
Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.590000
Conductivity (S/m)	1.470000
Power drift (%)	-0.560000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	5.51
Crest factor:	1:1



Maximum location: X=7.00, Y=33.00

SAR Peak: 1.05 W/kg

SAR 10g (W/Kg)	0.322380
SAR 1g (W/Kg)	0.623438



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: 2013.12.22

Measurement duration: 13 minutes 11 seconds

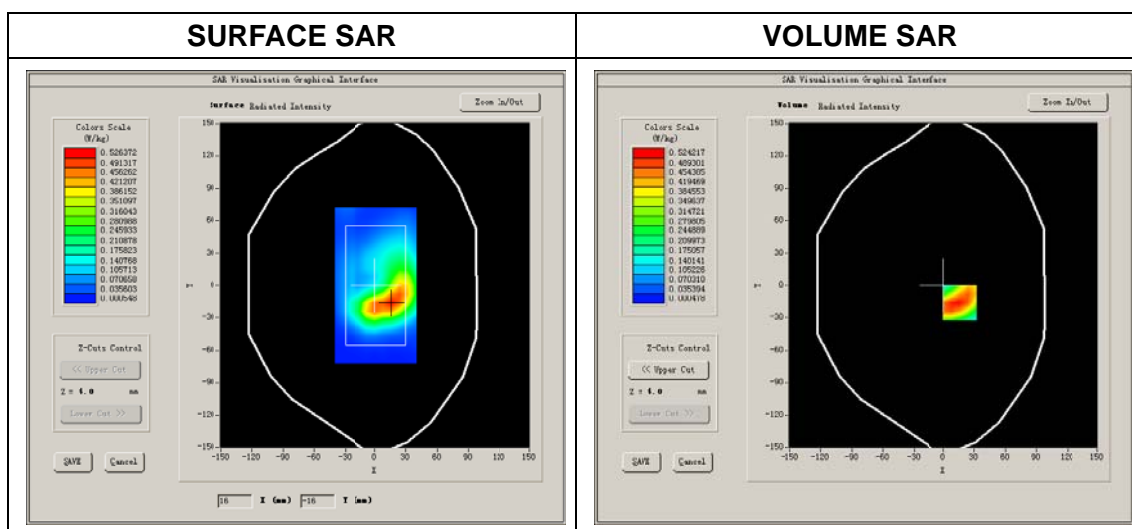
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 99

B. SAR Measurement Results

Lower Band SAR (Channel 20050):

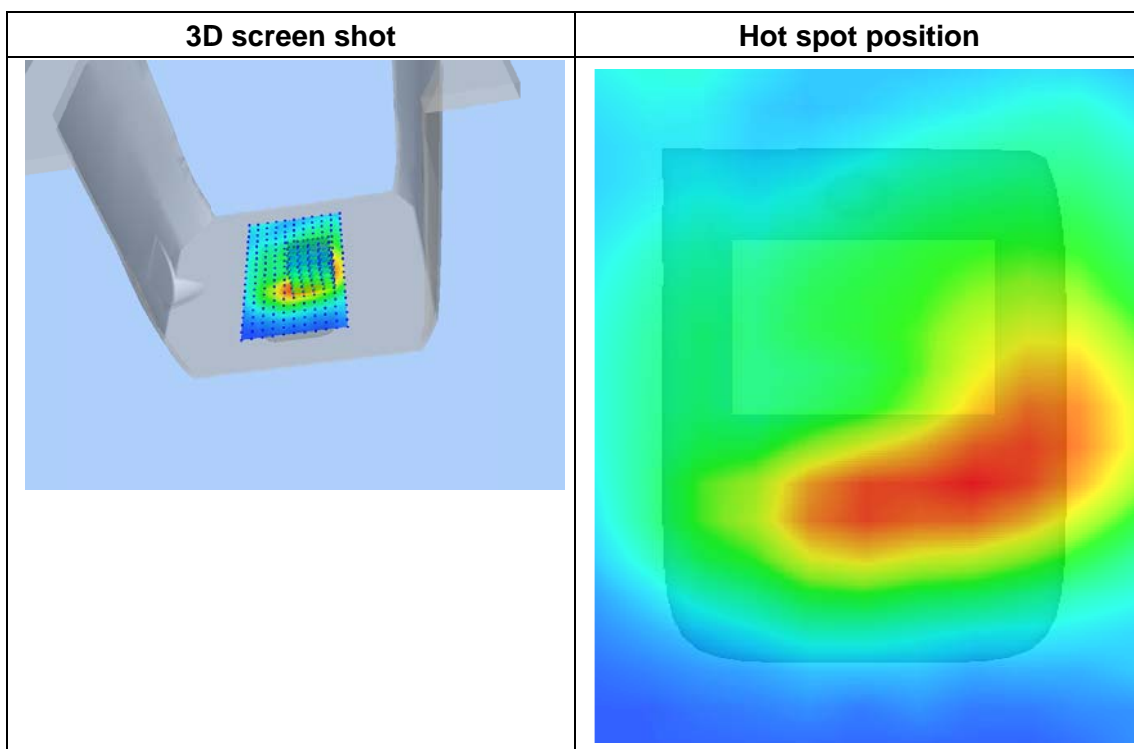
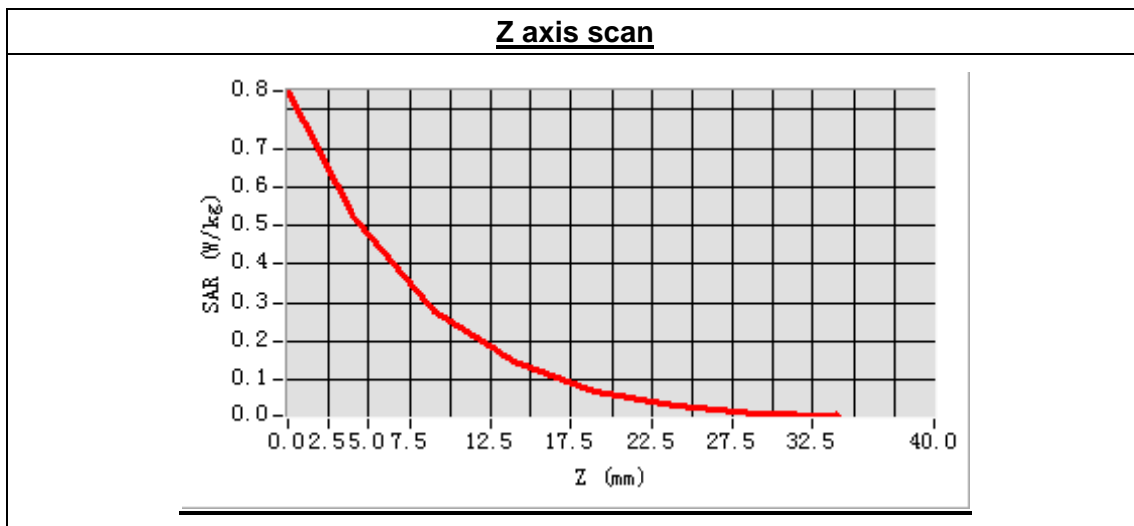
Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.590000
Conductivity (S/m)	1.470000
Power drift (%)	-0.920000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	5.51
Crest factor:	1:1



Maximum location: X=16.00, Y=-16.00

SAR Peak: 0.93 W/kg

SAR 10g (W/Kg)	0.281073
SAR 1g (W/Kg)	0.546416



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: 2013.12.22

Measurement duration: 13 minutes 11 seconds

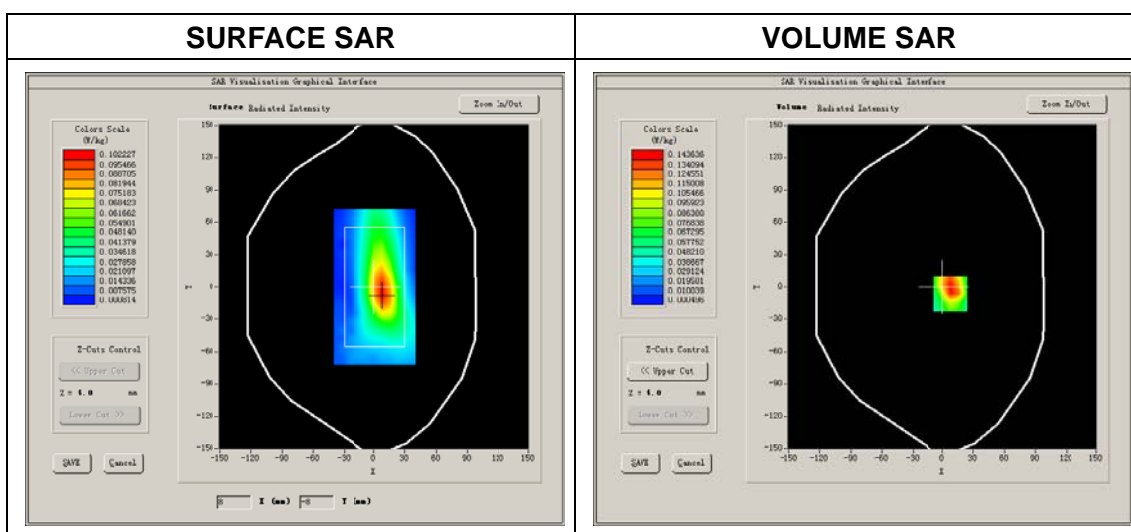
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 99

B. SAR Measurement Results

Lower Band SAR (Channel 20050):

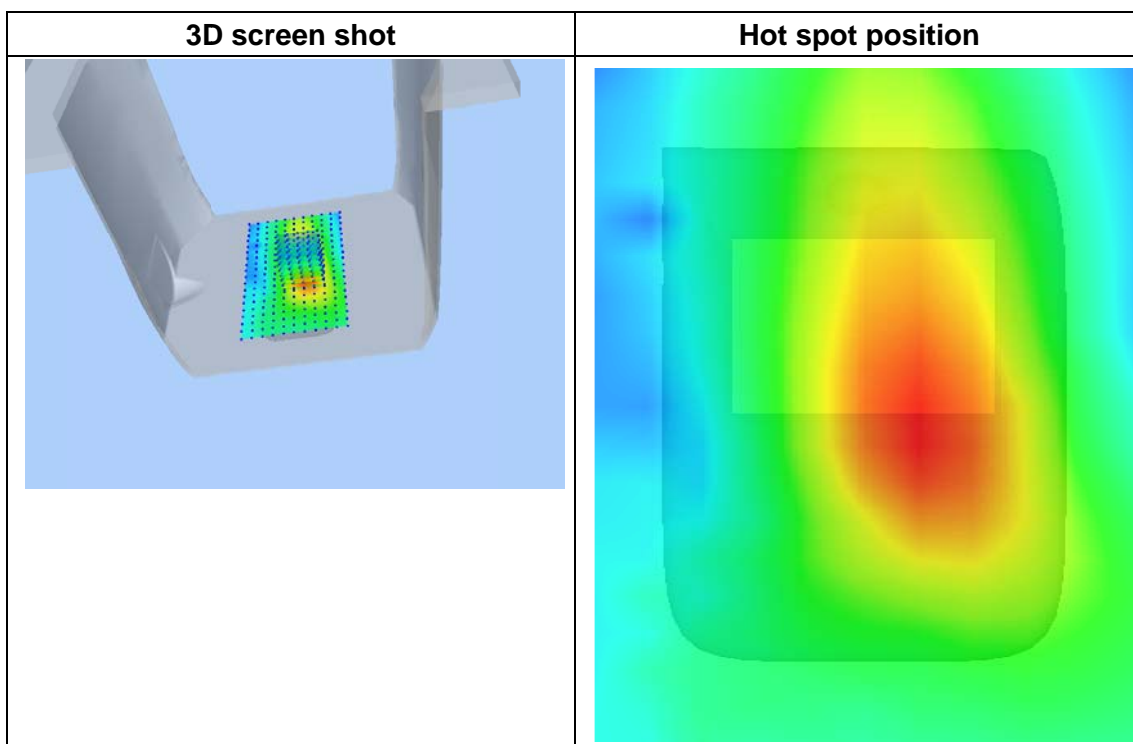
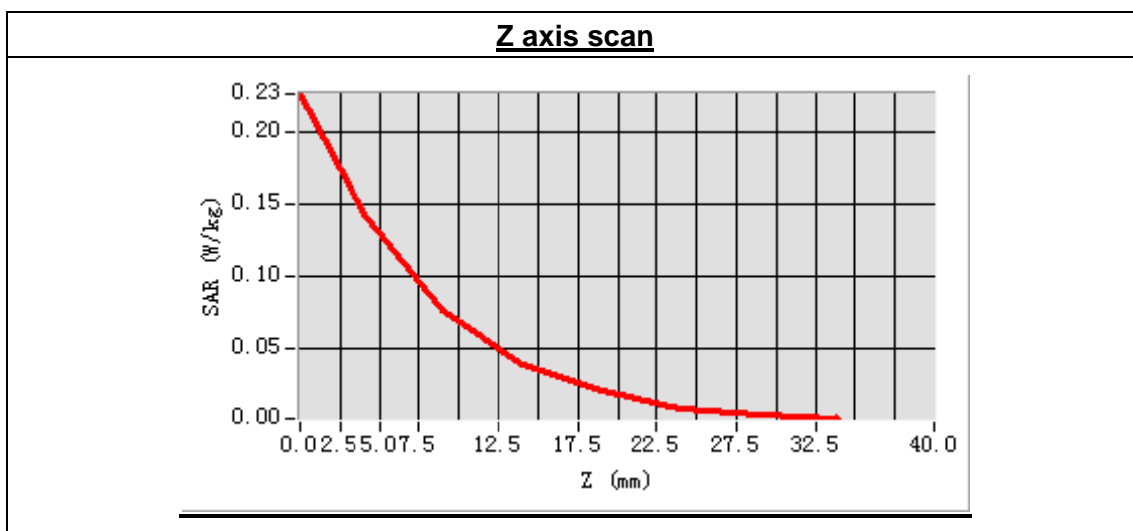
Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.590000
Conductivity (S/m)	1.470000
Power drift (%)	-0.810000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	5.51
Crest factor:	1:1



Maximum location: X=8.00, Y=-6.00

SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.075209
SAR 1g (W/Kg)	0.151693



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: 2013.12.22

Measurement duration: 13 minutes 11 seconds

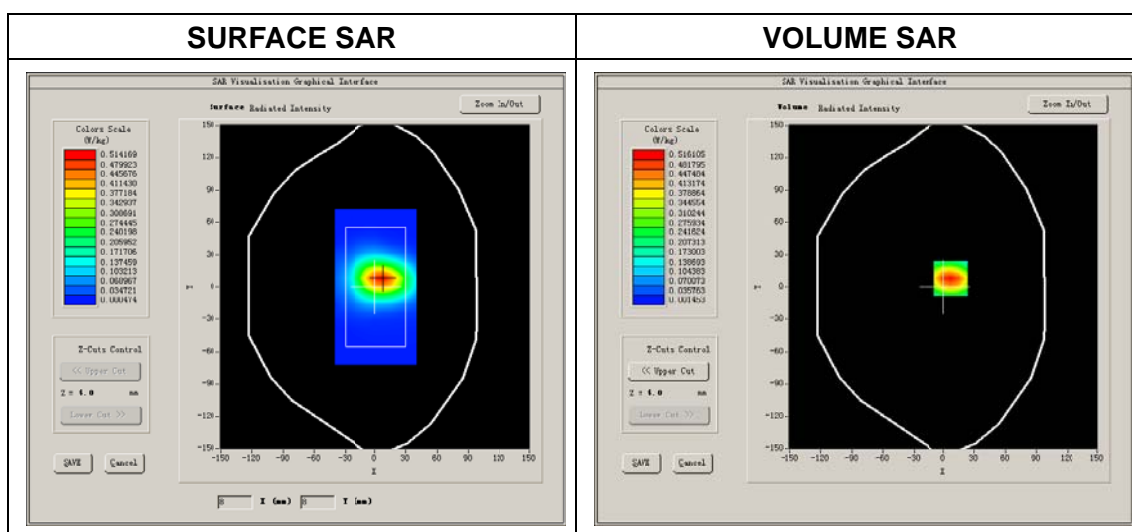
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 99

B. SAR Measurement Results

Lower Band SAR (Channel 20050):

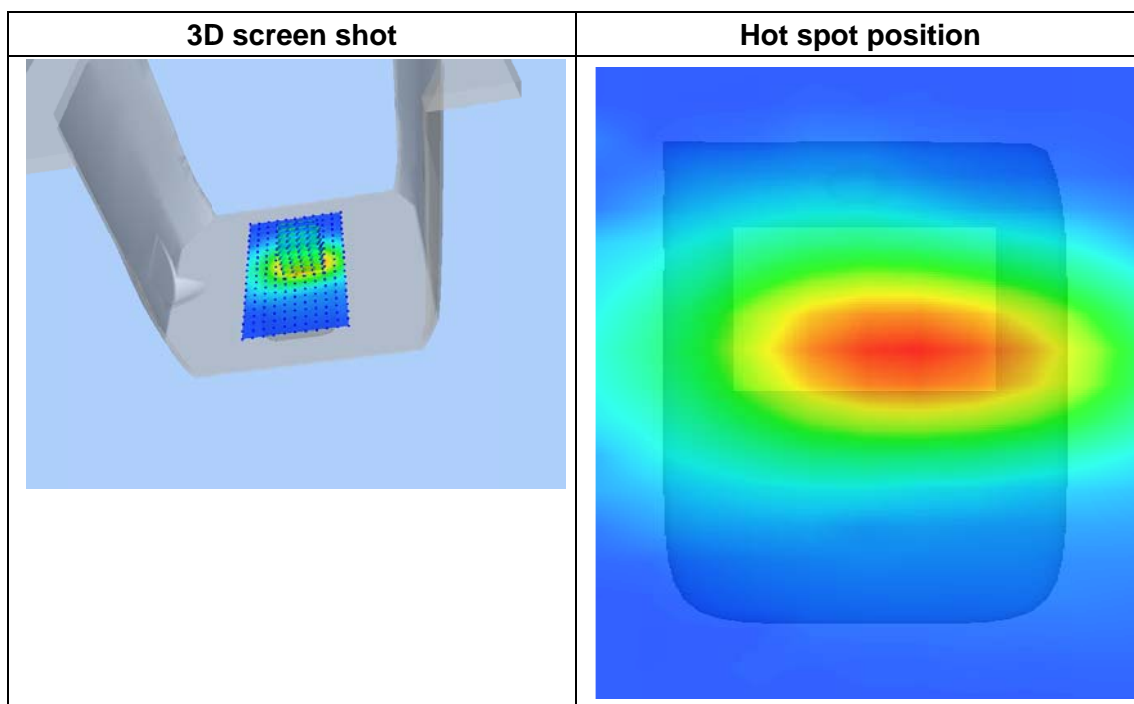
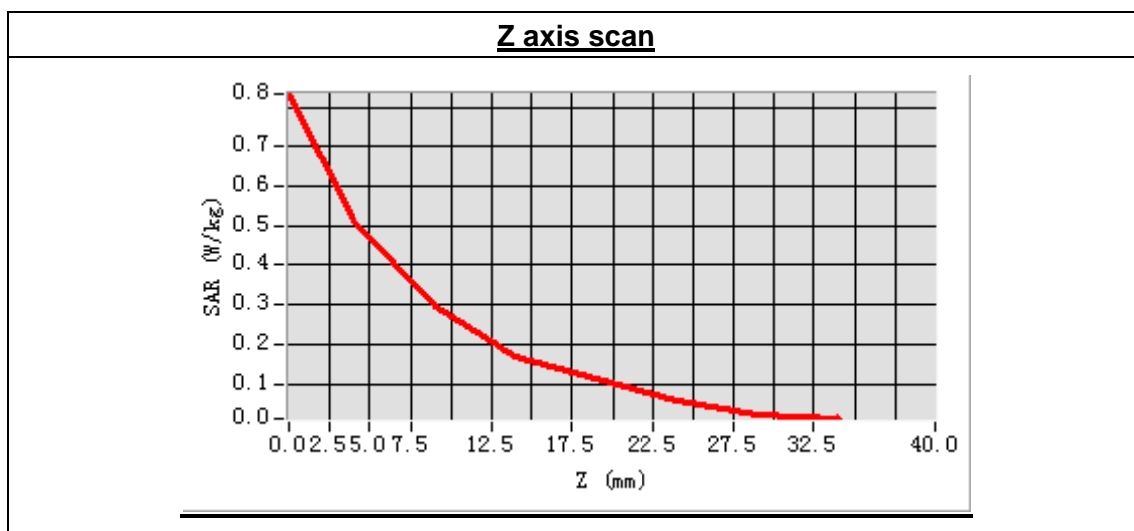
Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.590000
Conductivity (S/m)	1.470000
Power drift (%)	-1.030000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	5.51
Crest factor:	1:1



Maximum location: X=7.00, Y=8.00

SAR Peak: 0.90 W/kg

SAR 10g (W/Kg)	0.289043
SAR 1g (W/Kg)	0.543003



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: 2013.12.22

Measurement duration: 13 minutes 11 seconds

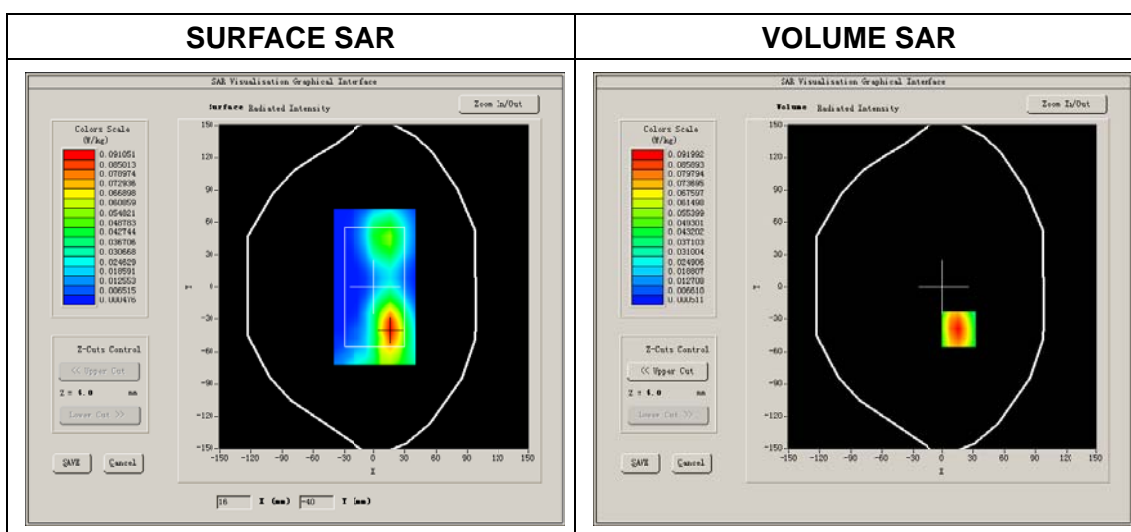
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 99

B. SAR Measurement Results

Lower Band SAR (Channel 20050):

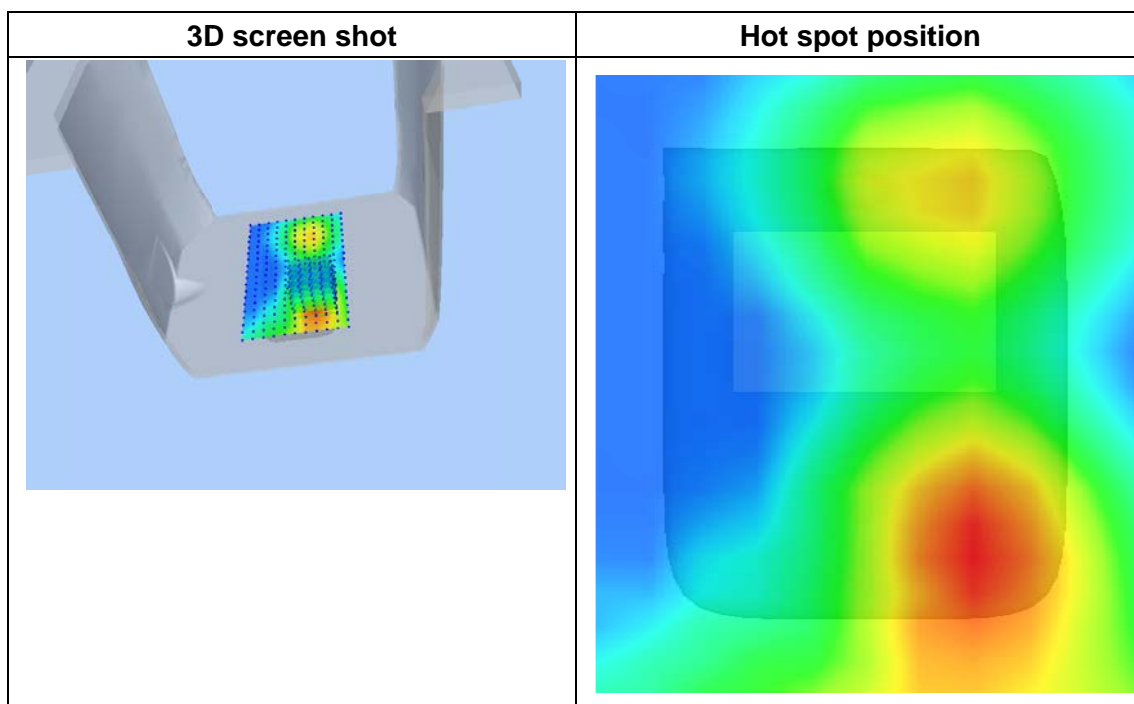
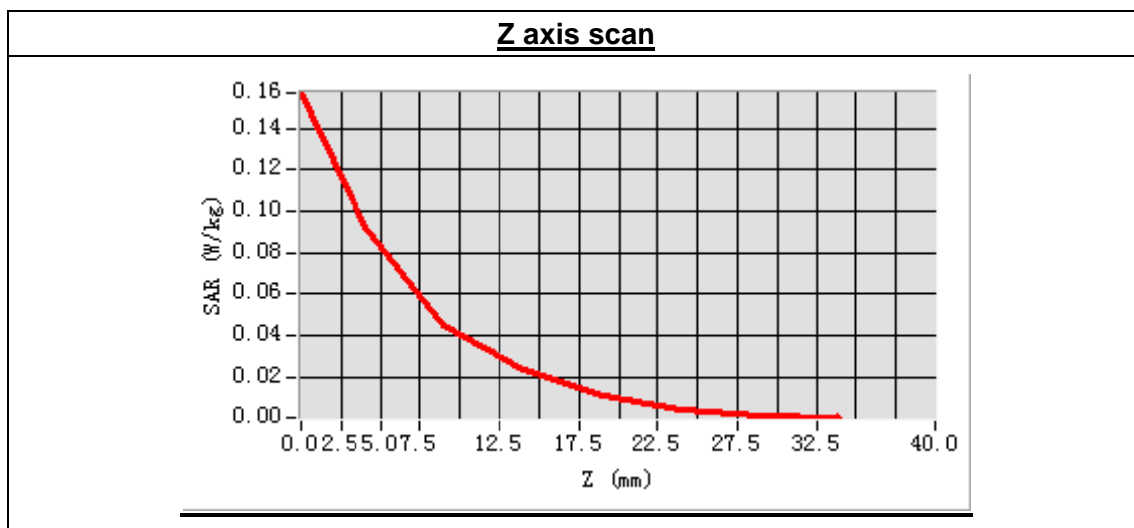
Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.590000
Conductivity (S/m)	1.470000
Power drift (%)	-0.910000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	5.51
Crest factor:	1:1



Maximum location: X=16.00, Y=-39.00

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.048759
SAR 1g (W/Kg)	0.096850



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: 2013.12.22

Measurement duration: 13 minutes 11 seconds

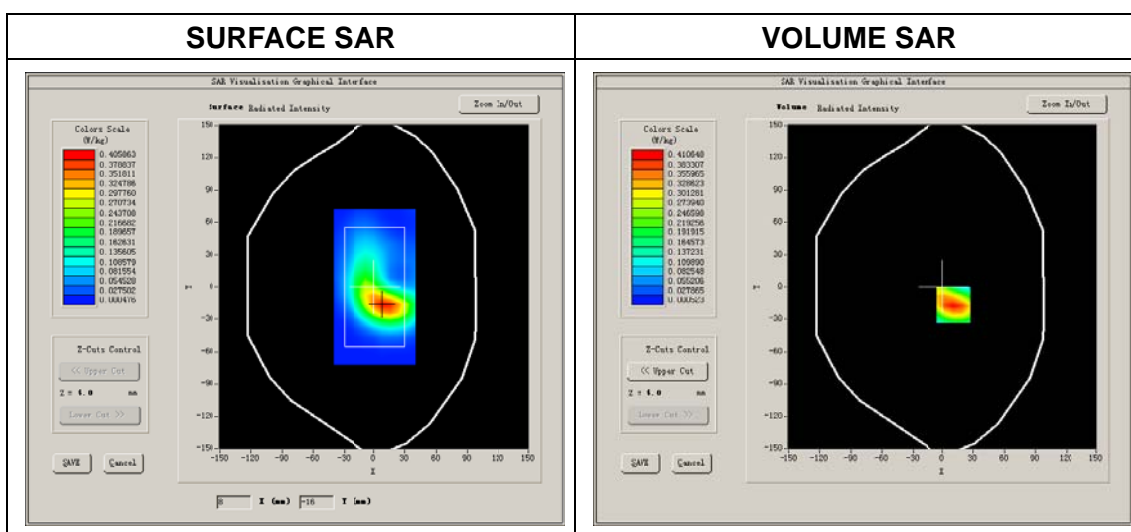
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Low
Signal	QPSK_50RB_RB offset 25

B. SAR Measurement Results

Lower Band SAR (Channel 20050):

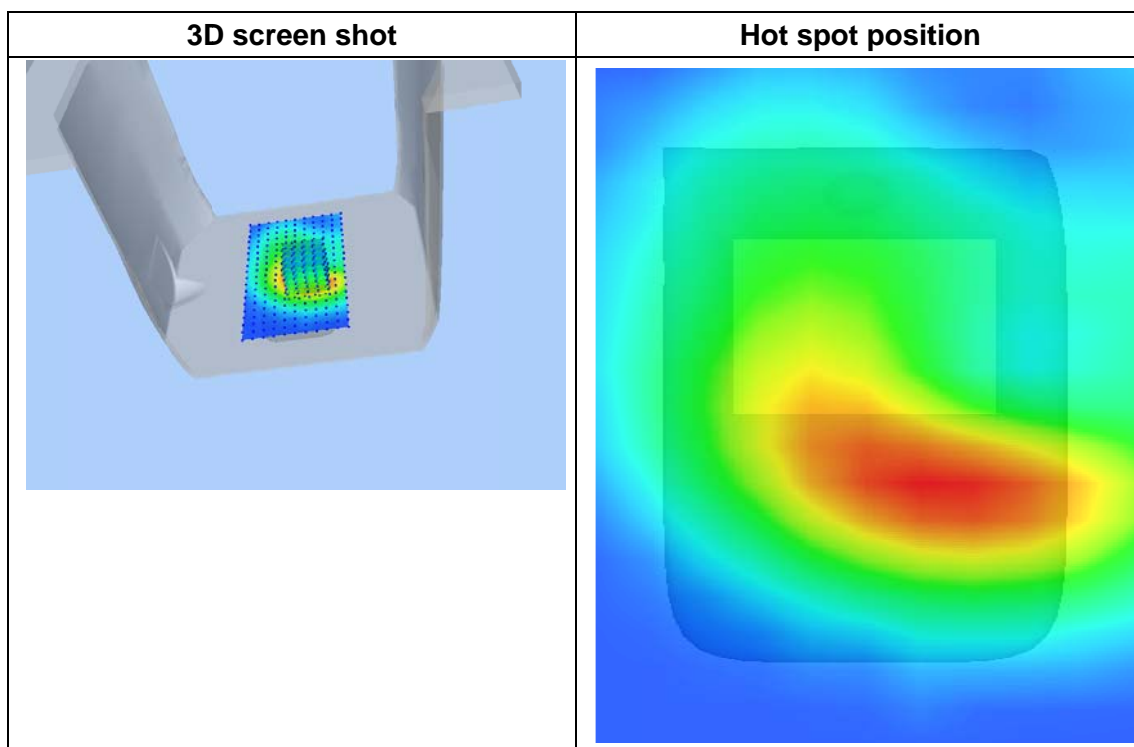
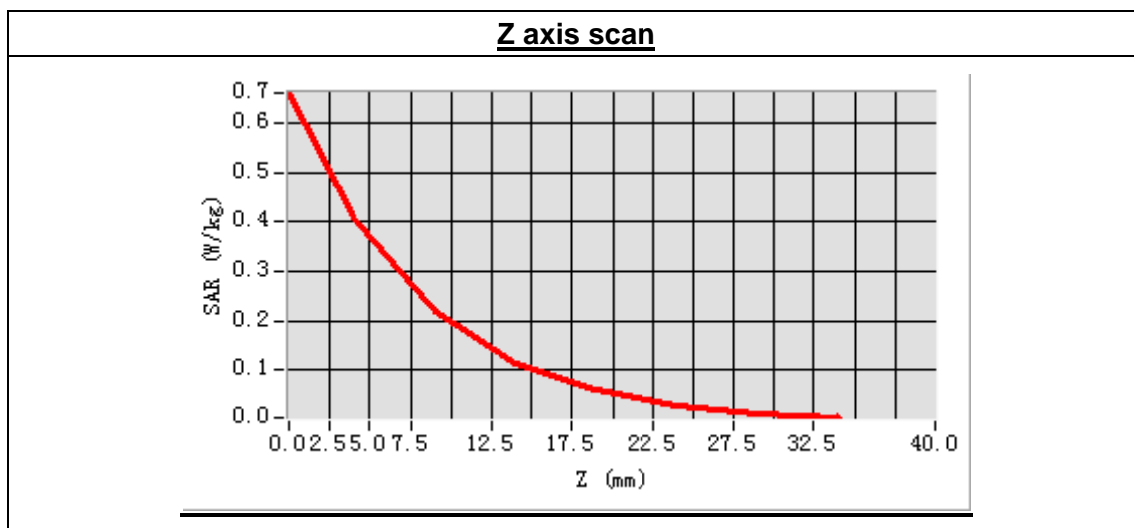
Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.590000
Conductivity (S/m)	1.470000
Power drift (%)	-0.590000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	5.51
Crest factor:	1:1



Maximum location: X=11.00, Y=-17.00

SAR Peak: 0.71 W/kg

SAR 10g (W/Kg)	0.216997
SAR 1g (W/Kg)	0.421744



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: 2013.12.22

Measurement duration: 13 minutes 11 seconds

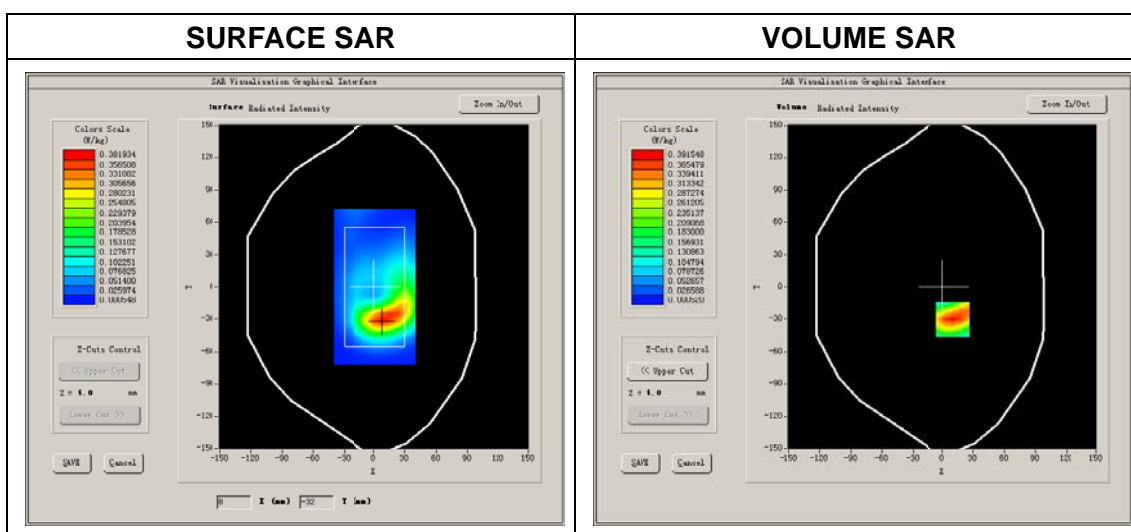
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Low
Signal	QPSK_50RB_RB offset 25

B. SAR Measurement Results

Lower Band SAR (Channel 20050):

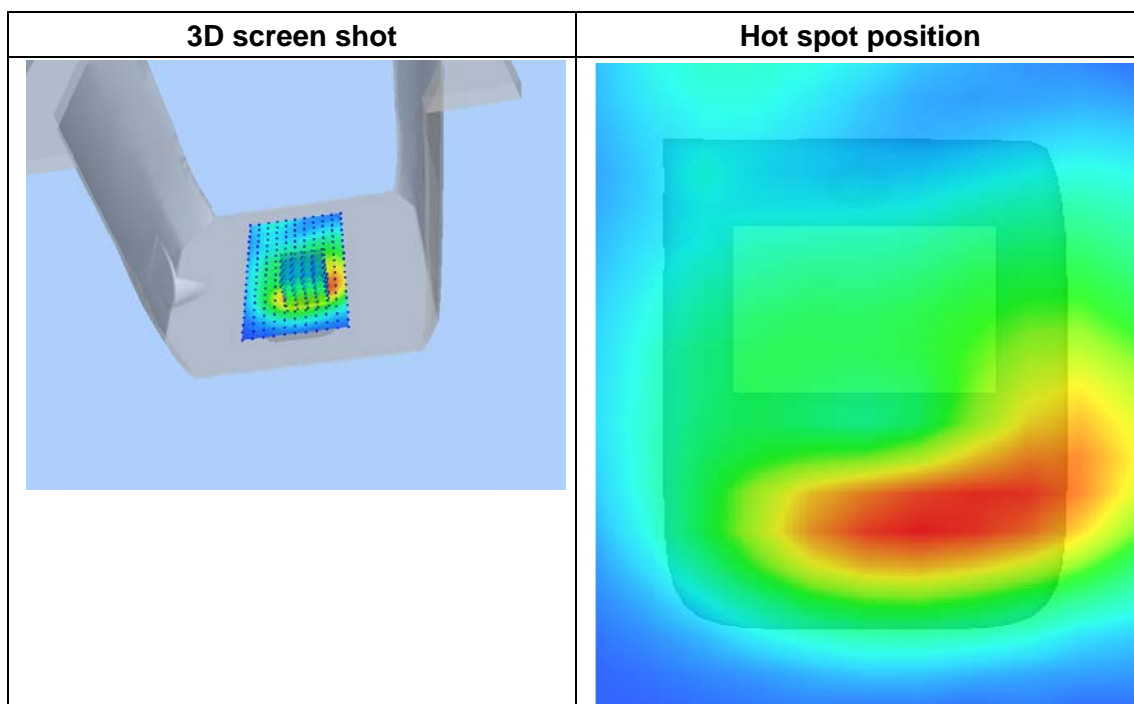
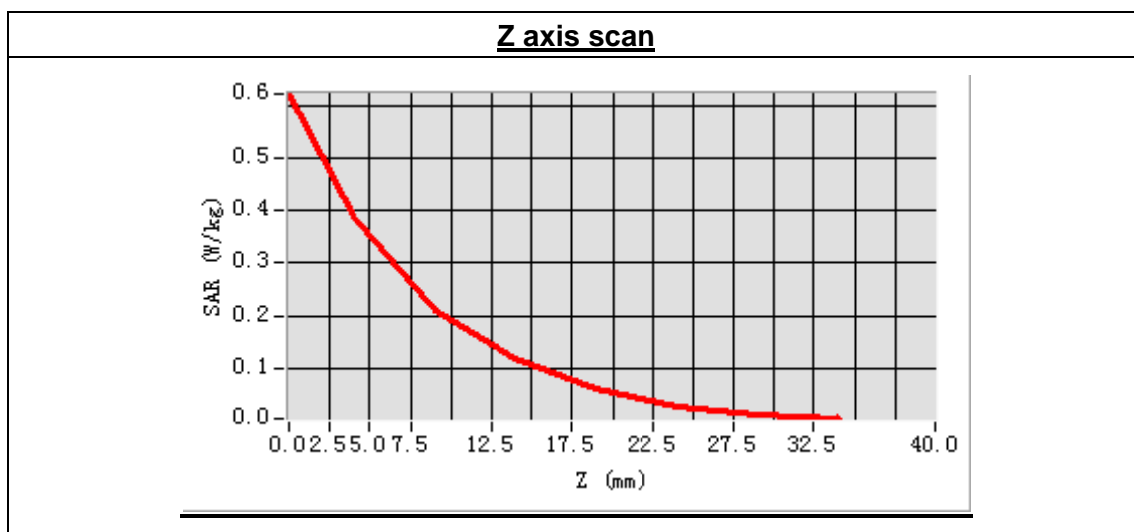
Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.590000
Conductivity (S/m)	1.470000
Power drift (%)	-0.510000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	5.51
Crest factor:	1:1



Maximum location: X=10.00, Y=-30.00

SAR Peak: 0.68 W/kg

SAR 10g (W/Kg)	0.208182
SAR 1g (W/Kg)	0.403974



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: 2013.12.22

Measurement duration: 13 minutes 11 seconds

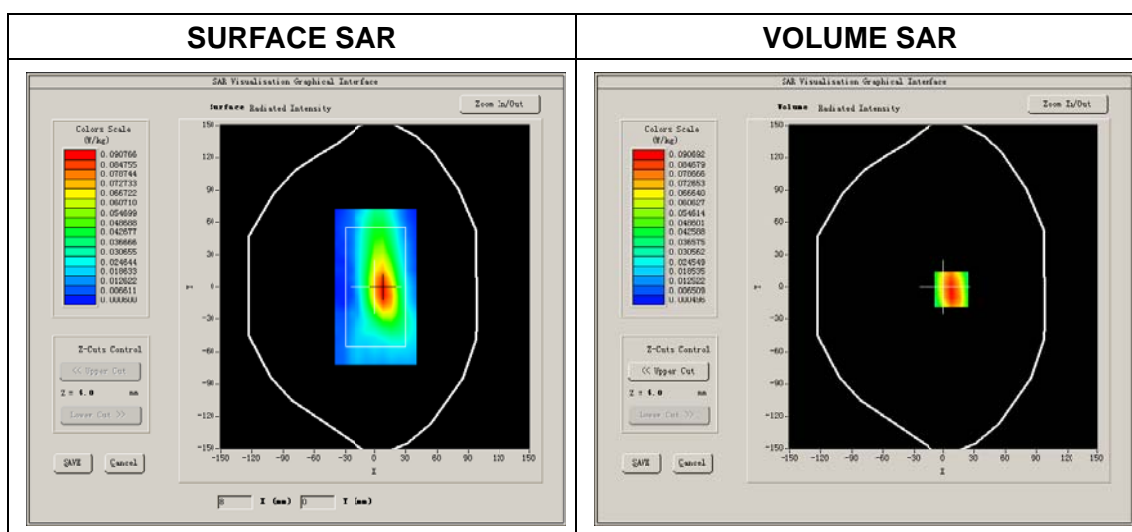
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Lower
Signal	QPSK_50RB_RB offset 25

B. SAR Measurement Results

Lower Band SAR (Channel 20050):

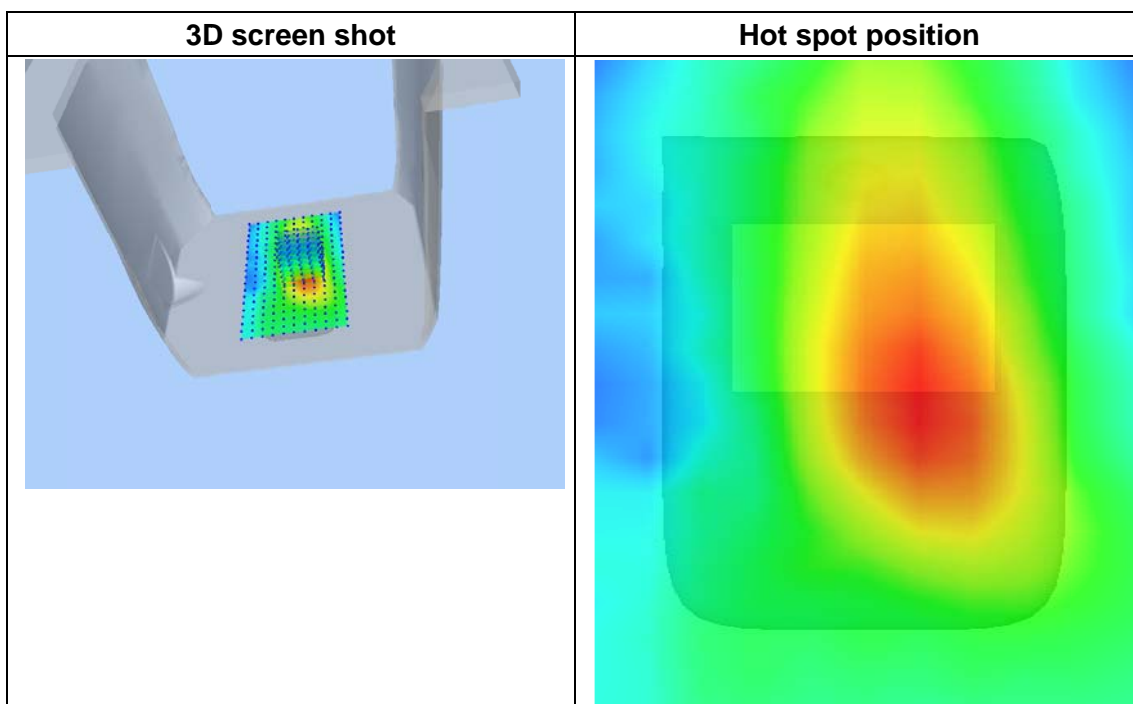
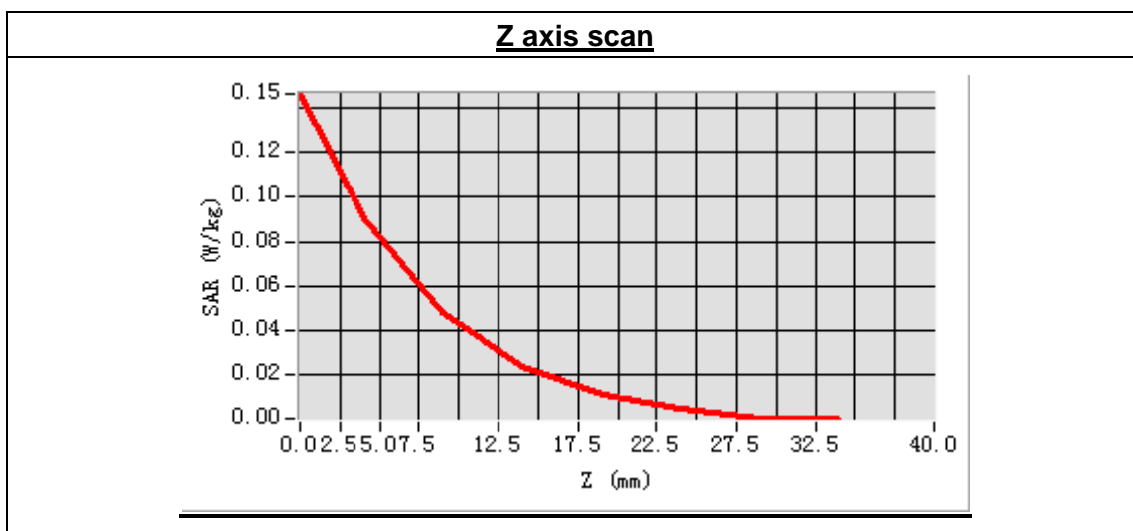
Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.590000
Conductivity (S/m)	1.470000
Power drift (%)	-0.960000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	5.51
Crest factor:	1:1



Maximum location: X=8.00, Y=-2.00

SAR Peak: 0.16 W/kg

SAR 10g (W/Kg)	0.048561
SAR 1g (W/Kg)	0.095112



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: 2013.12.22

Measurement duration: 13 minutes 11 seconds

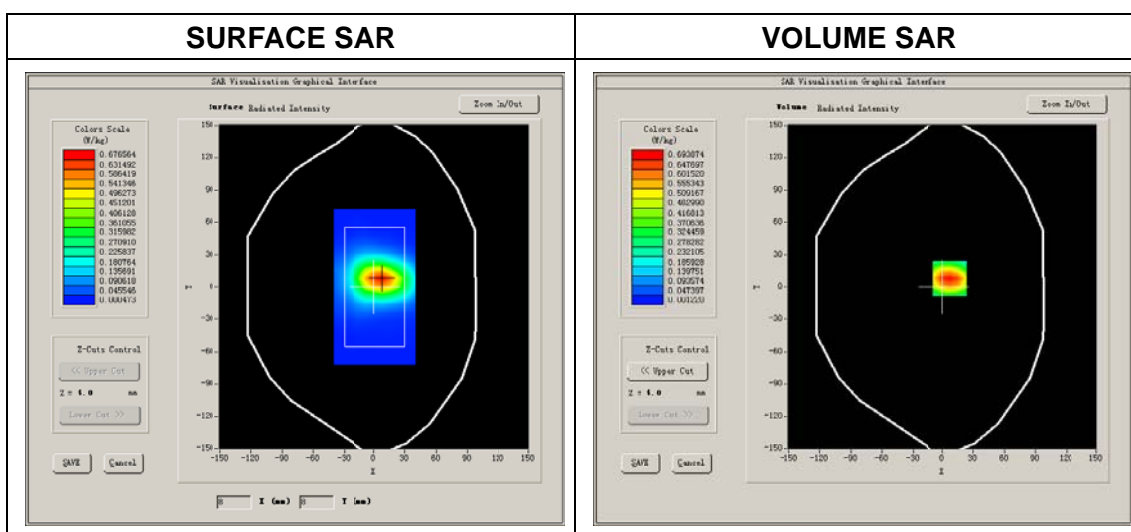
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Low
Signal	QPSK_50RB_RB offset 25

B. SAR Measurement Results

Lower Band SAR (Channel 20050):

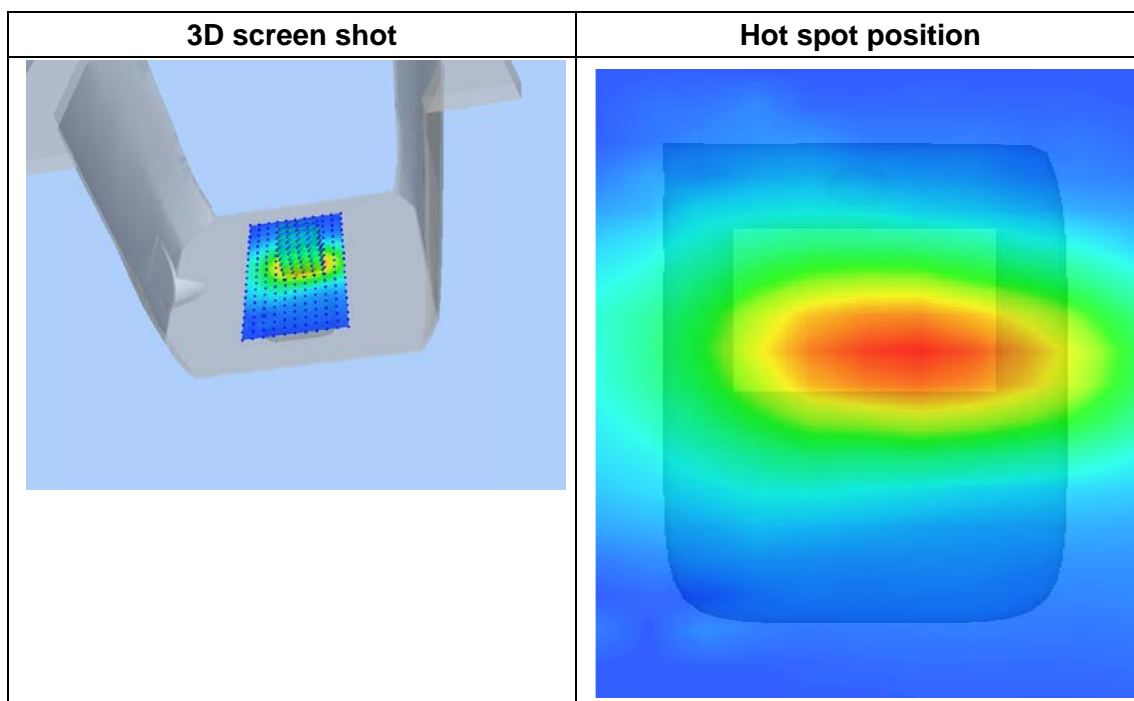
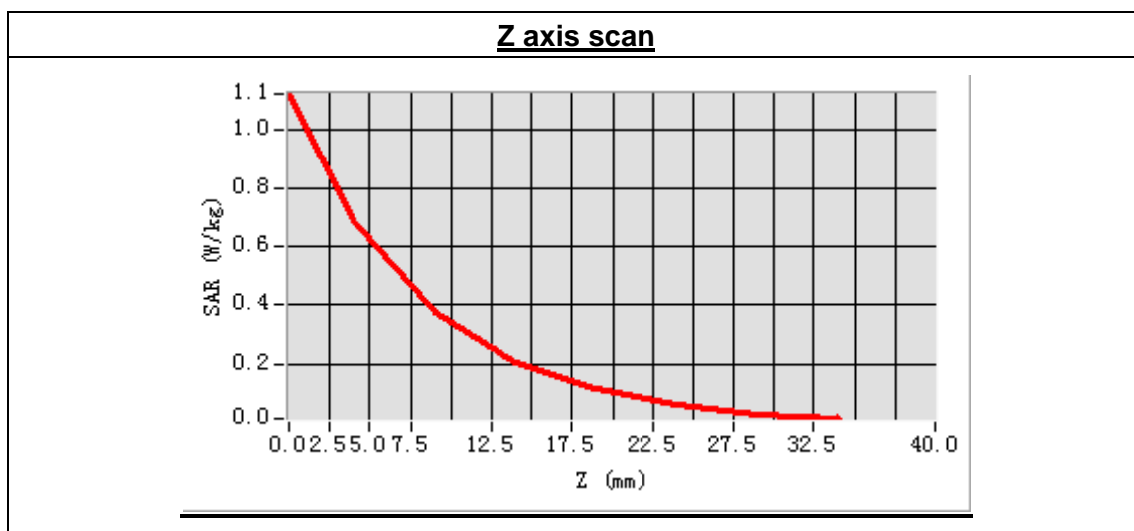
Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.590000
Conductivity (S/m)	1.470000
Power drift (%)	-0.620000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	5.51
Crest factor:	1:1



Maximum location: X=7.00, Y=8.00

SAR Peak: 1.22 W/kg

SAR 10g (W/Kg)	0.373758
SAR 1g (W/Kg)	0.725303



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: 2013.12.22

Measurement duration: 13 minutes 11 seconds

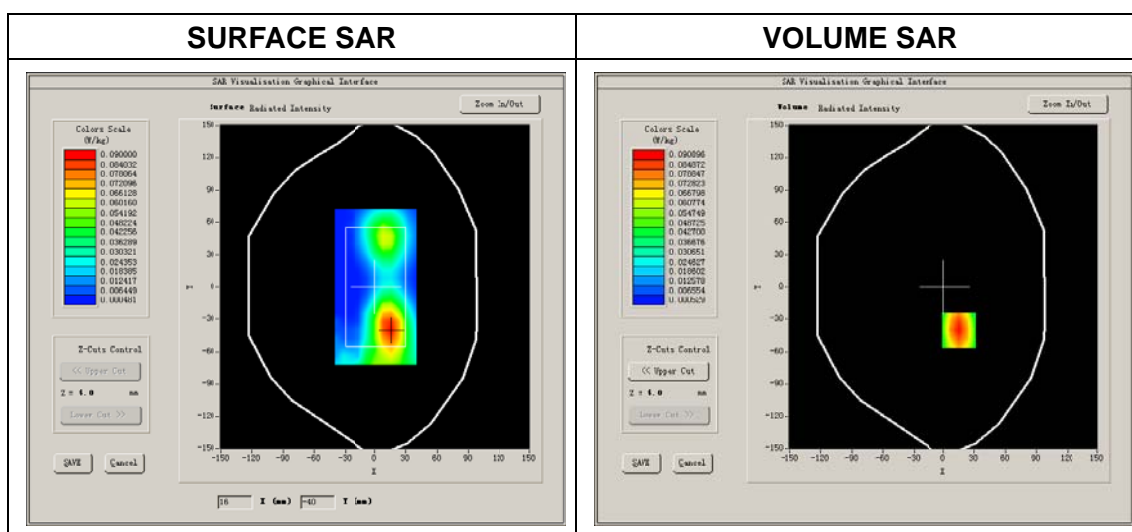
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band4 (20MHz)
Channels	Low
Signal	QPSK_50RB_RB offset 25

B. SAR Measurement Results

Lower Band SAR (Channel 20050):

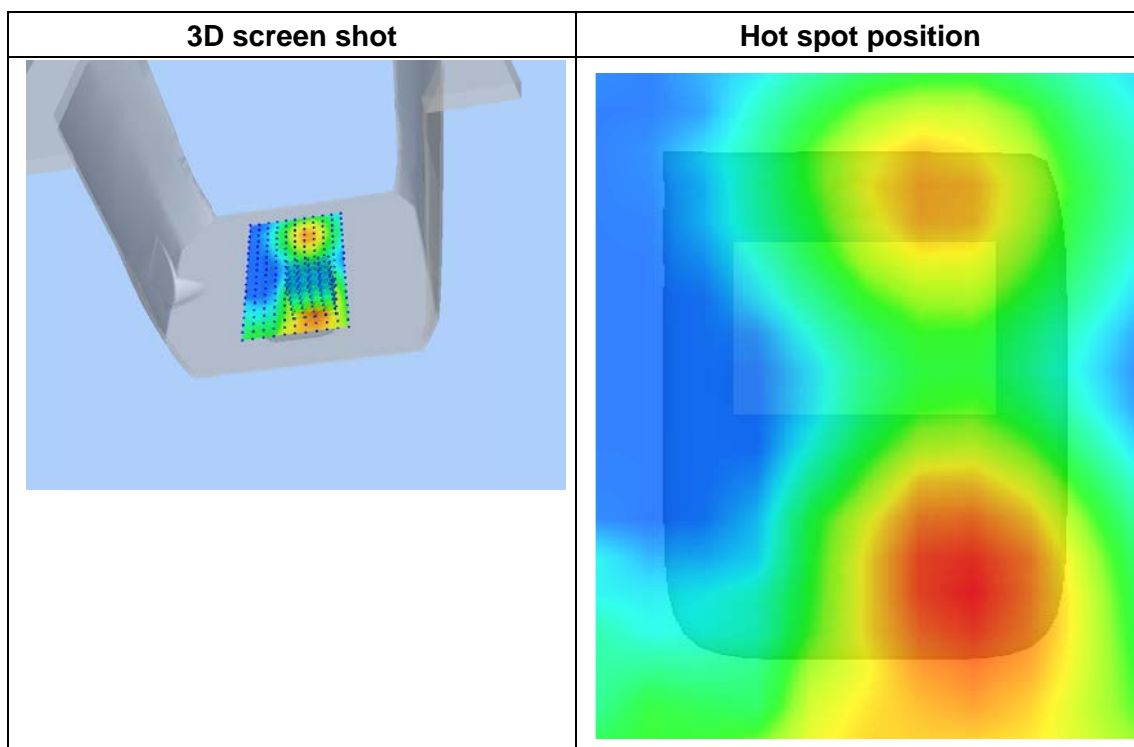
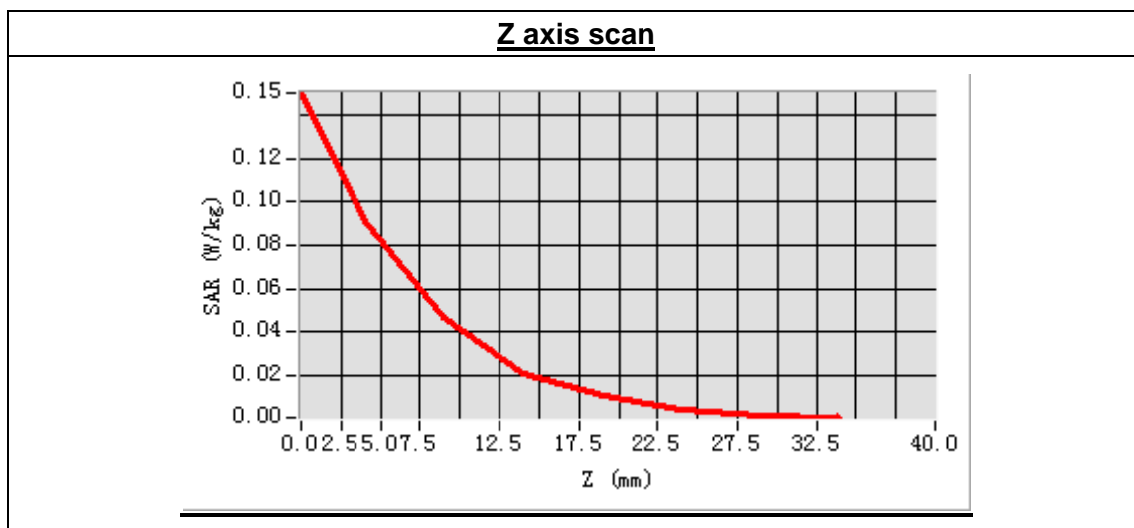
Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.590000
Conductivity (S/m)	1.470000
Power drift (%)	-0.630000
Ambient Temperature:	22.4°C
Liquid Temperature:	21.9°C
ConvF:	5.51
Crest factor:	1:1



Maximum location: X=15.00, Y=-40.00

SAR Peak: 0.16 W/kg

SAR 10g (W/Kg)	0.048245
SAR 1g (W/Kg)	0.094566



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: 2013.12.21

Measurement duration: 13 minutes 11 seconds

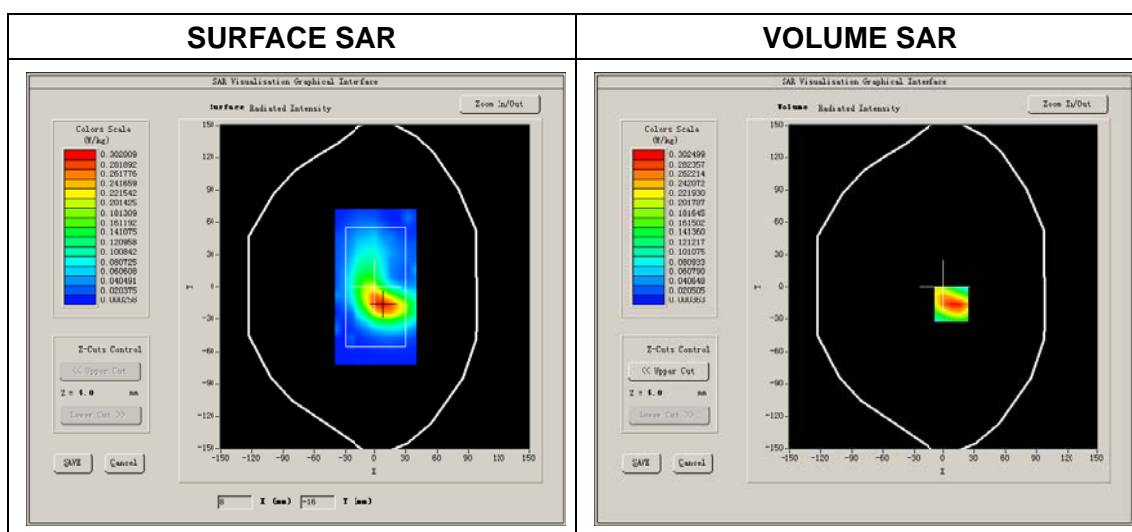
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 49

B. SAR Measurement Results

Lower Band SAR (Channel 23780):

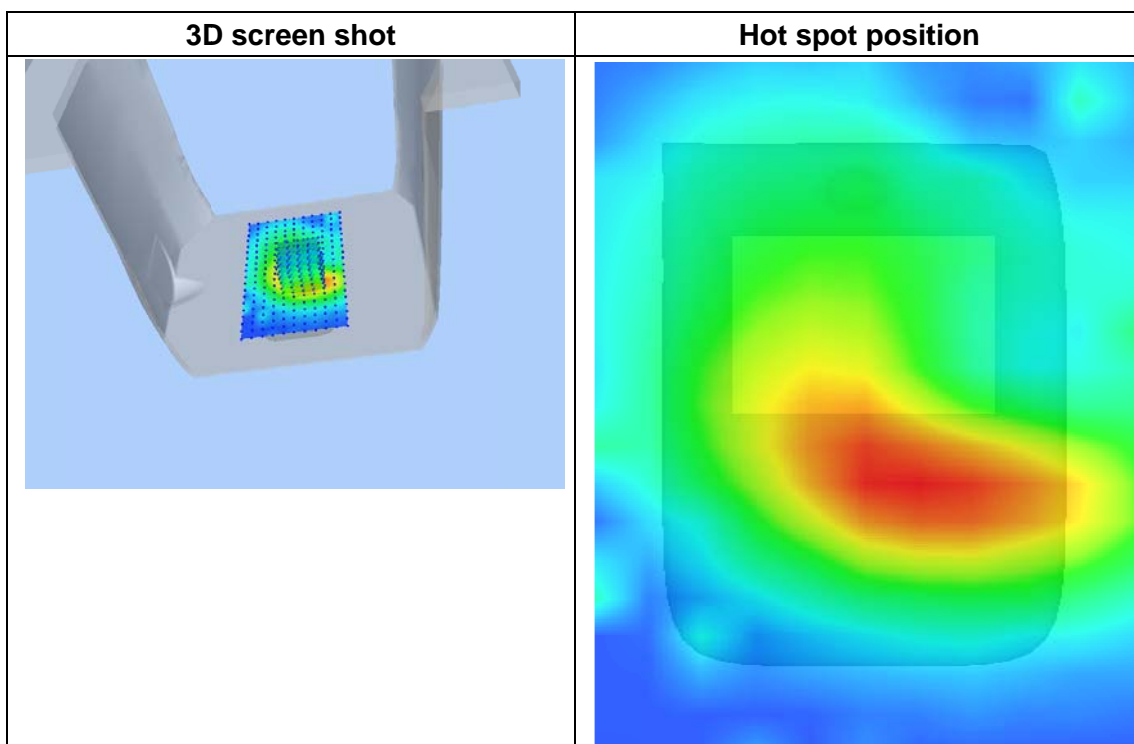
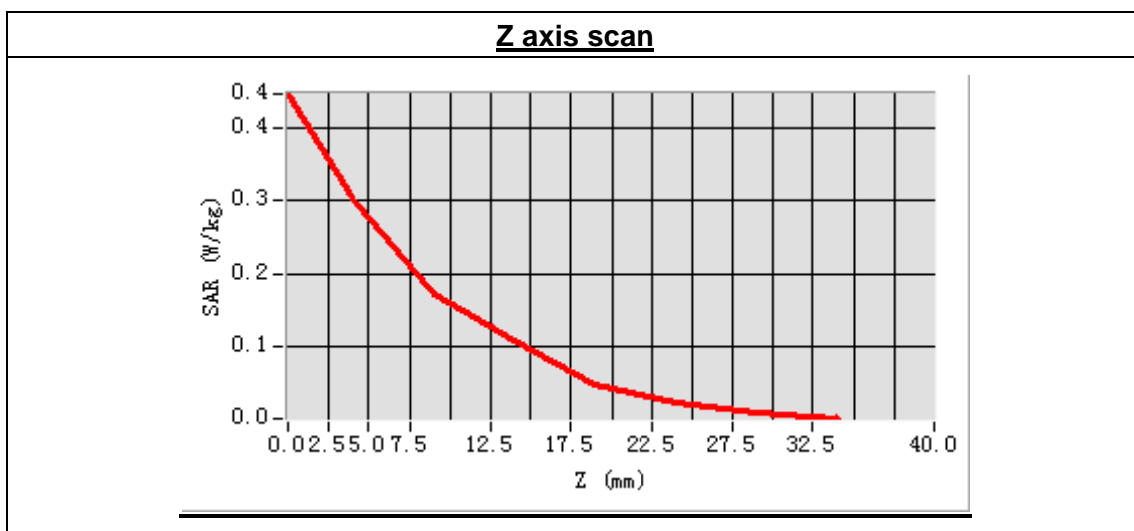
Frequency (MHz)	709.000000
Relative permittivity (real part)	54.720000
Conductivity (S/m)	0.970000
Power drift (%)	-1.070000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	6.96
Crest factor:	1:1



Maximum location: X=8.00, Y=-16.00

SAR Peak: 0.52 W/kg

SAR 10g (W/Kg)	0.178531
SAR 1g (W/Kg)	0.338176



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: 2013.12.21

Measurement duration: 13 minutes 11 seconds

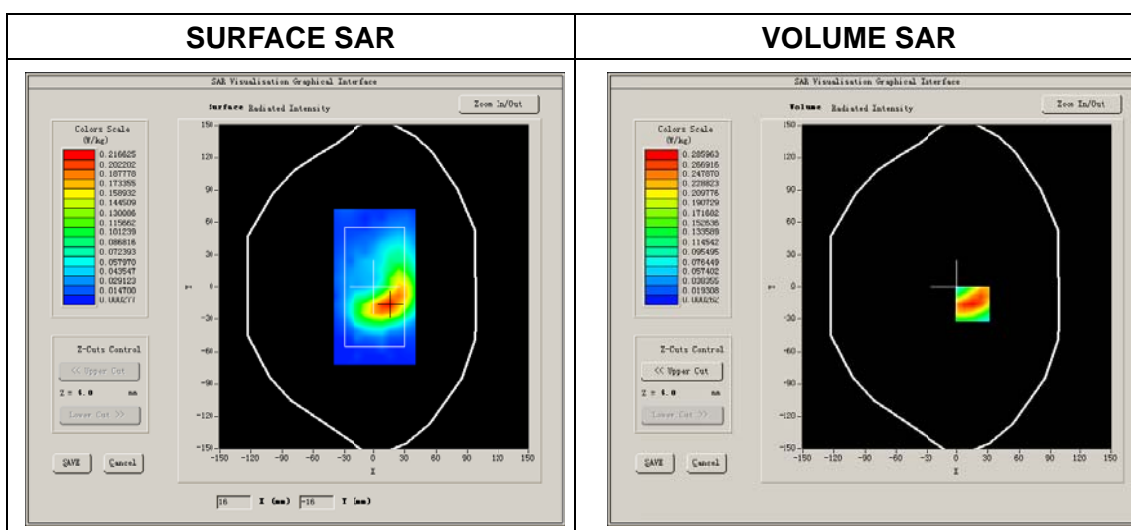
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 49

B. SAR Measurement Results

Lower Band SAR (Channel 23780):

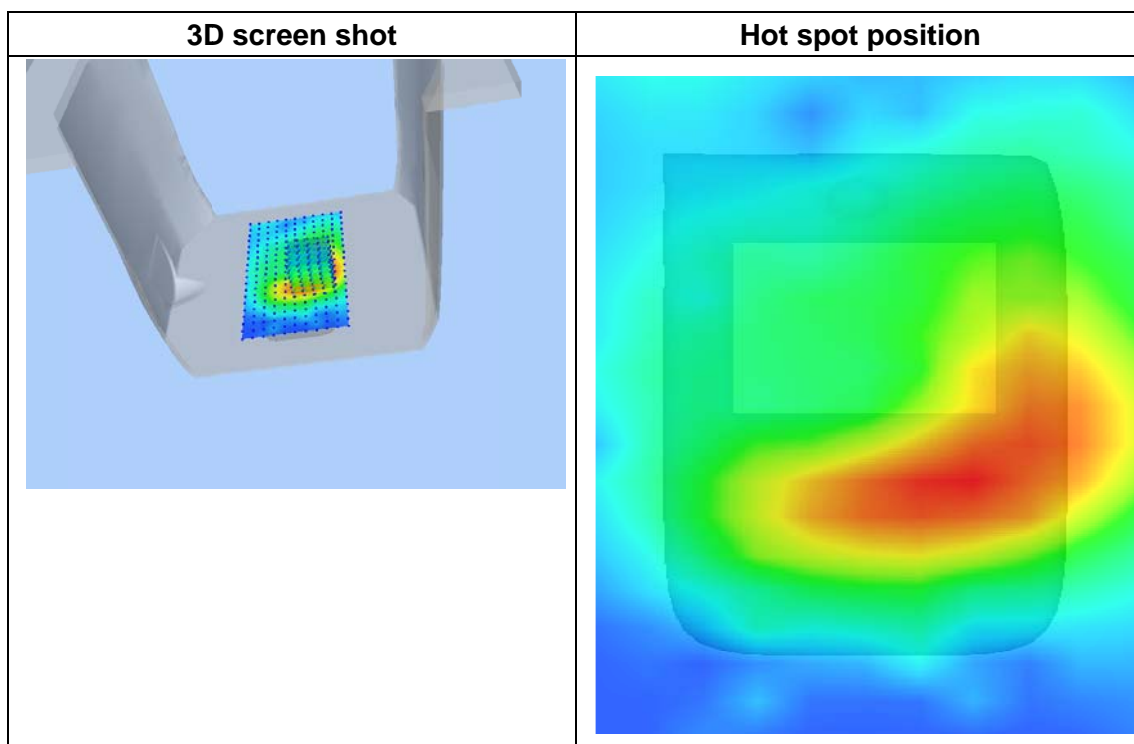
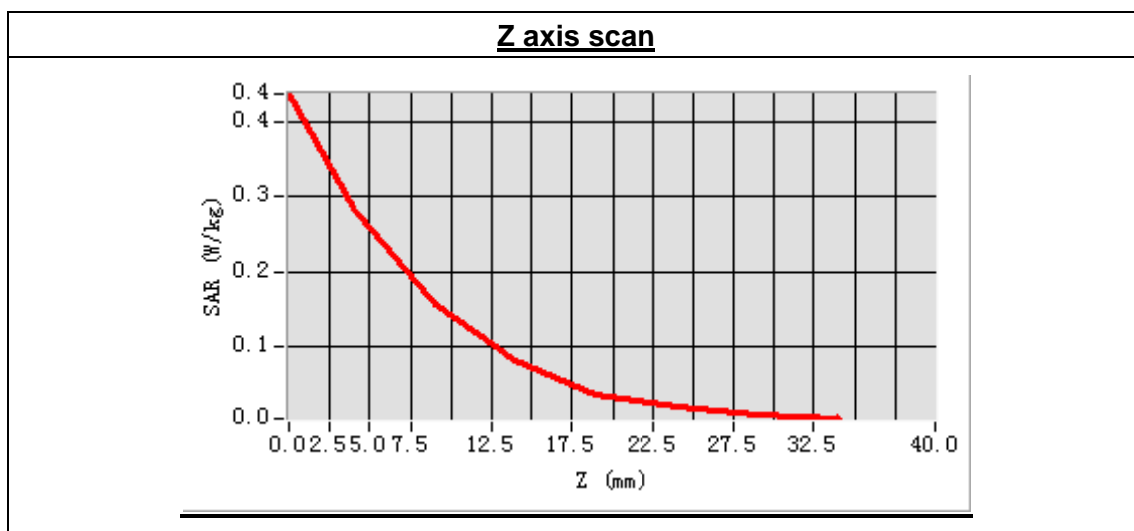
Frequency (MHz)	709.000000
Relative permittivity (real part)	54.720000
Conductivity (S/m)	0.970000
Power drift (%)	-1.070000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	6.96
Crest factor:	1:1



Maximum location: X=15.00, Y=-16.00

SAR Peak: 0.51 W/kg

SAR 10g (W/Kg)	0.168995
SAR 1g (W/Kg)	0.322155



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: 2013.12.21

Measurement duration: 13 minutes 11 seconds

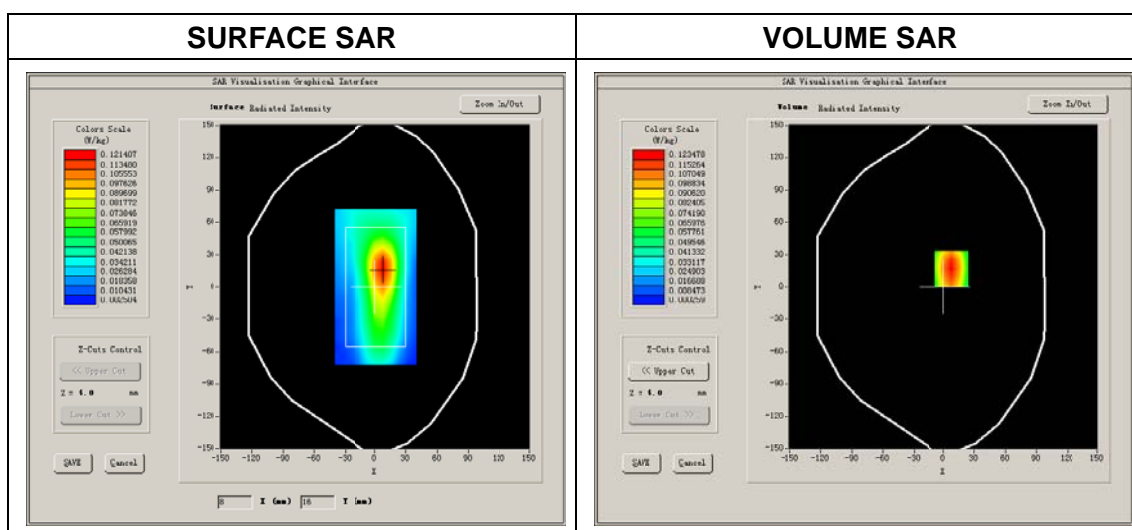
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 49

B. SAR Measurement Results

Lower Band SAR (Channel 23780):

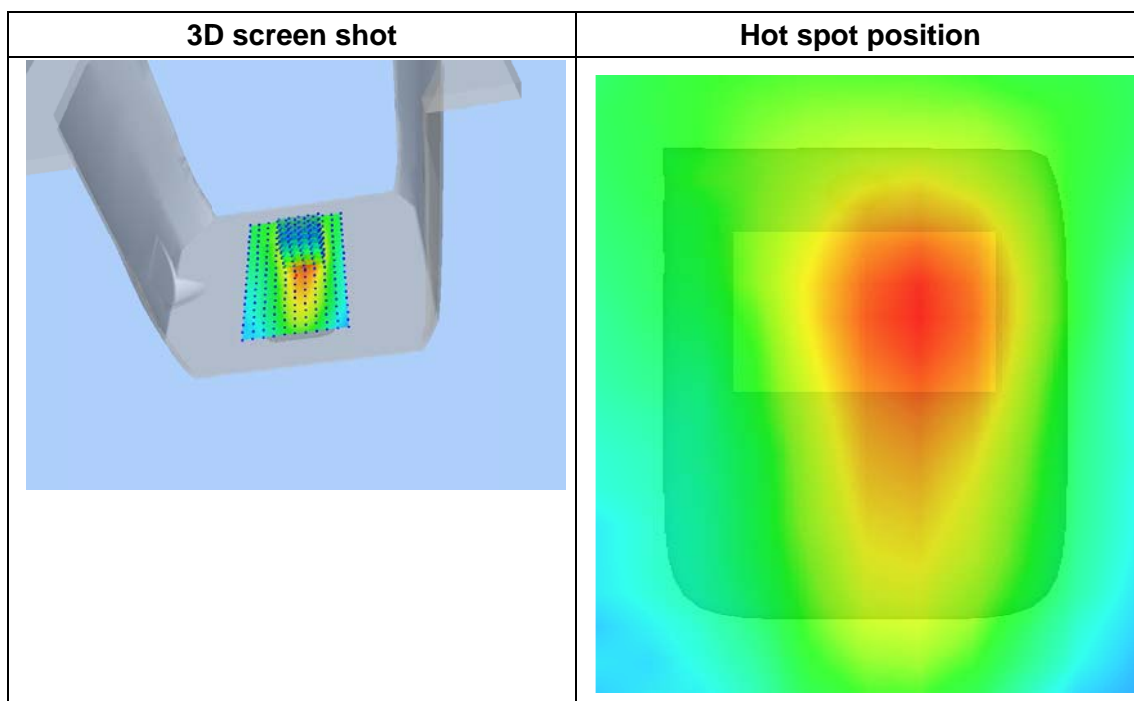
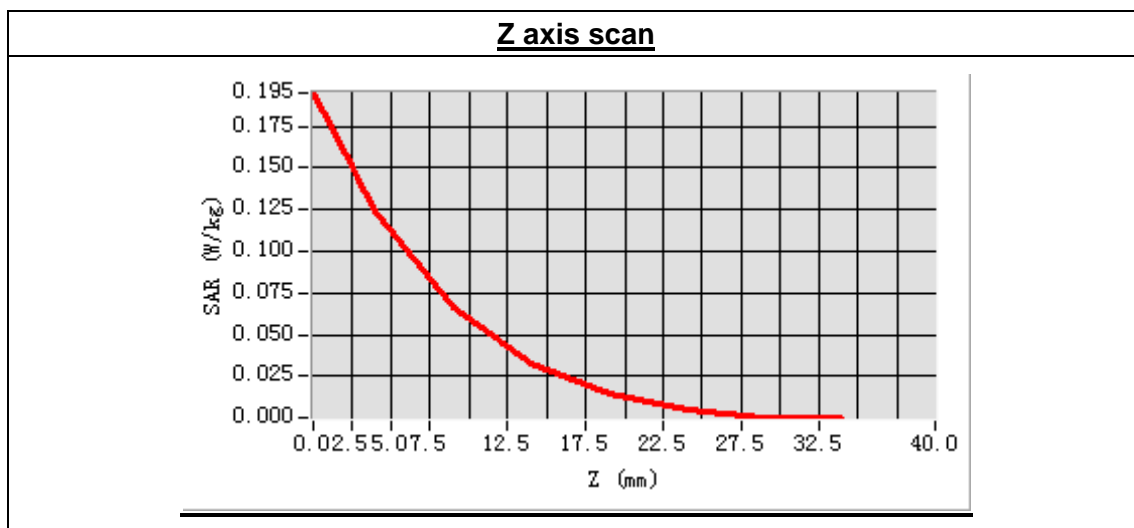
Frequency (MHz)	709.000000
Relative permittivity (real part)	54.720000
Conductivity (S/m)	0.970000
Power drift (%)	-1.340000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	6.96
Crest factor:	1:1



Maximum location: X=8.00, Y=17.00

SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.072875
SAR 1g (W/Kg)	0.141926



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: 2013.12.21

Measurement duration: 13 minutes 11 seconds

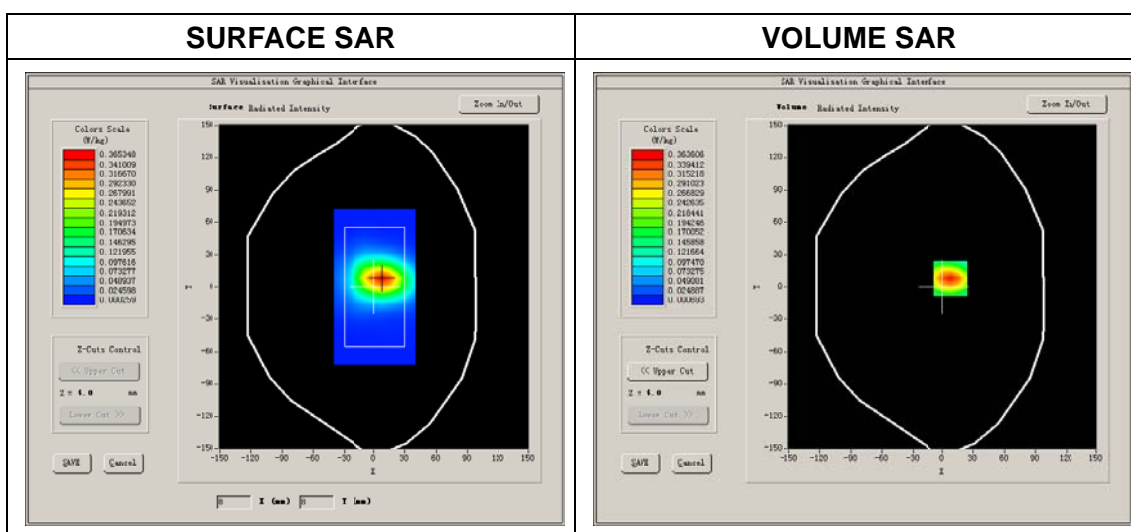
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 49

B. SAR Measurement Results

Lower Band SAR (Channel 23780):

Frequency (MHz)	709.000000
Relative permittivity (real part)	54.720000
Conductivity (S/m)	0.970000
Power drift (%)	-1.130000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	6.96
Crest factor:	1:1

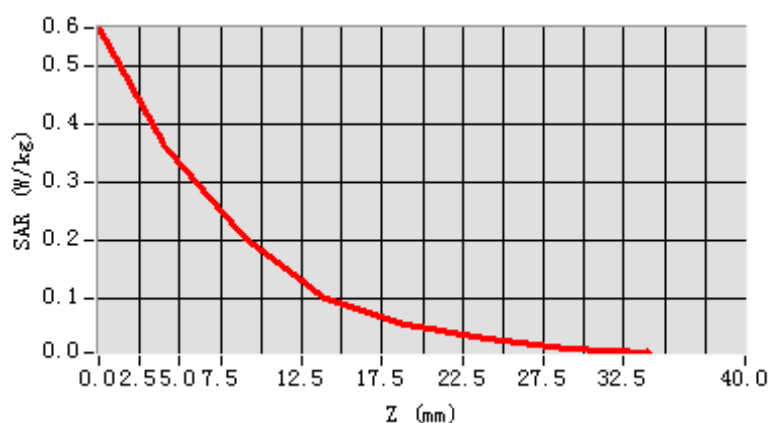


Maximum location: X=8.00, Y=8.00

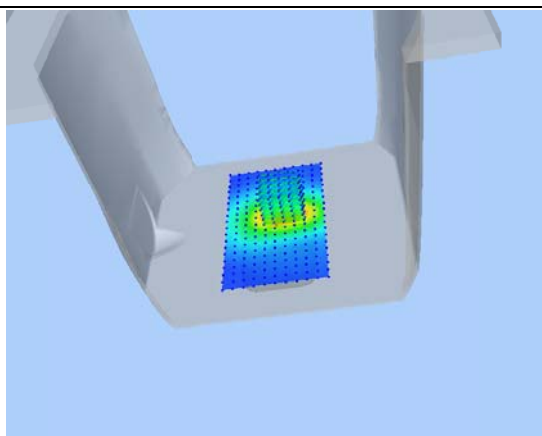
SAR Peak: 0.64 W/kg

SAR 10g (W/Kg)	0.208066
SAR 1g (W/Kg)	0.406928

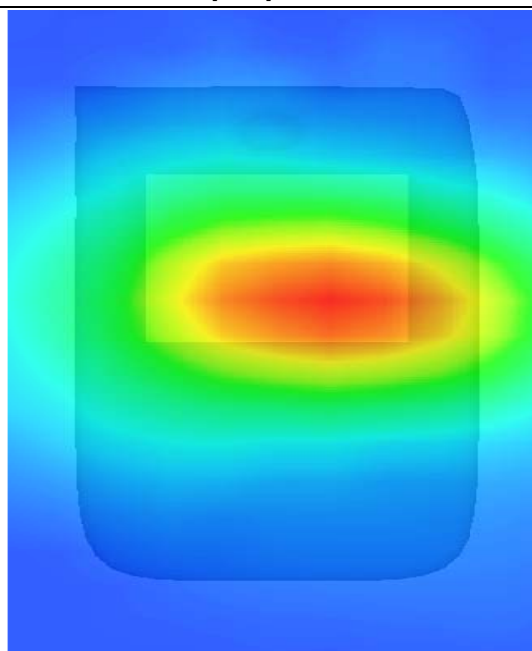
Z axis scan



3D screen 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: 2013.12.21

Measurement duration: 13 minutes 11 seconds

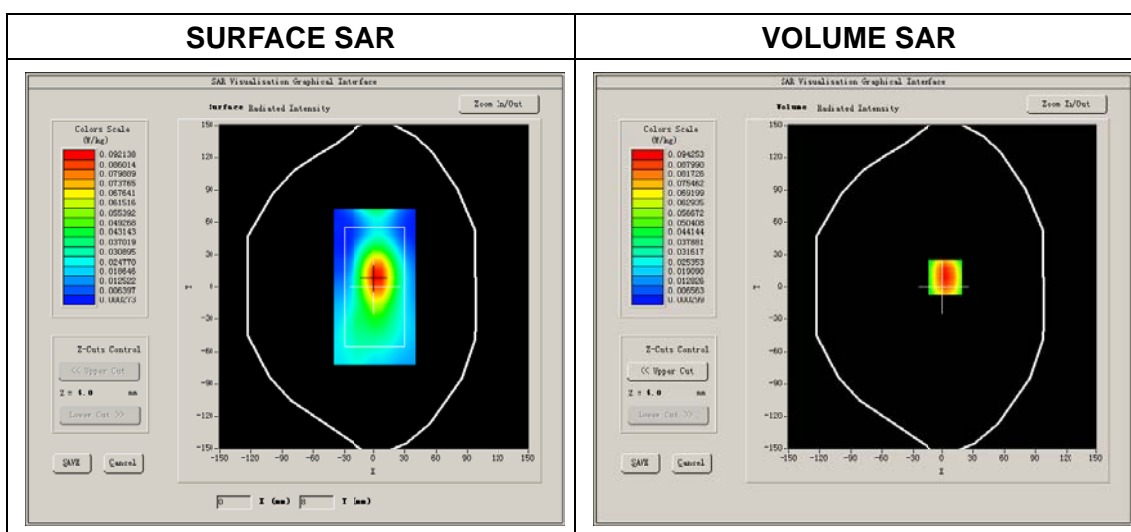
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	Low
Signal	QPSK_1RB_RB offset 49

B. SAR Measurement Results

Lower Band SAR (Channel 23780):

Frequency (MHz)	709.000000
Relative permittivity (real part)	54.720000
Conductivity (S/m)	0.970000
Power drift (%)	-1.520000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	6.96
Crest factor:	1:1

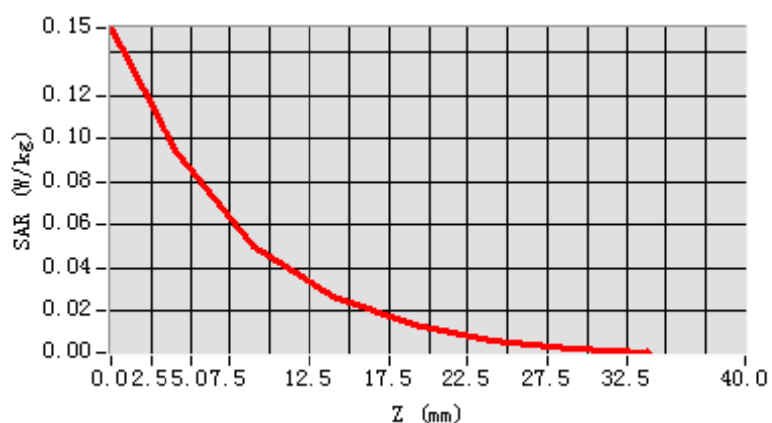


Maximum location: X=3.00, Y=9.00

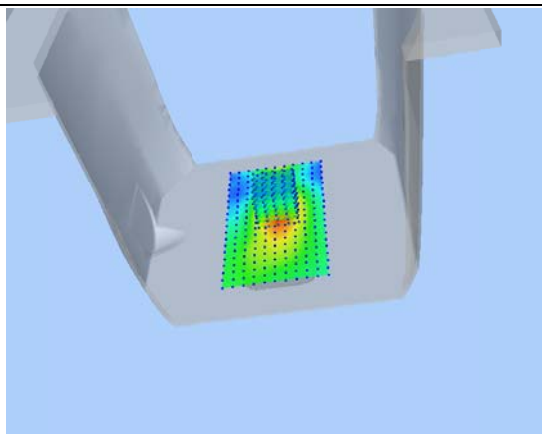
SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.056831
SAR 1g (W/Kg)	0.109064

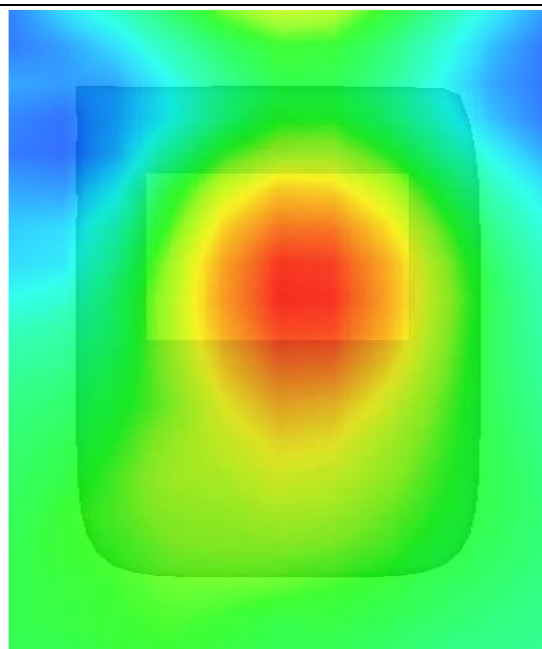
Z axis scan



3D screen 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: 2013.12.21

Measurement duration: 13 minutes 11 seconds

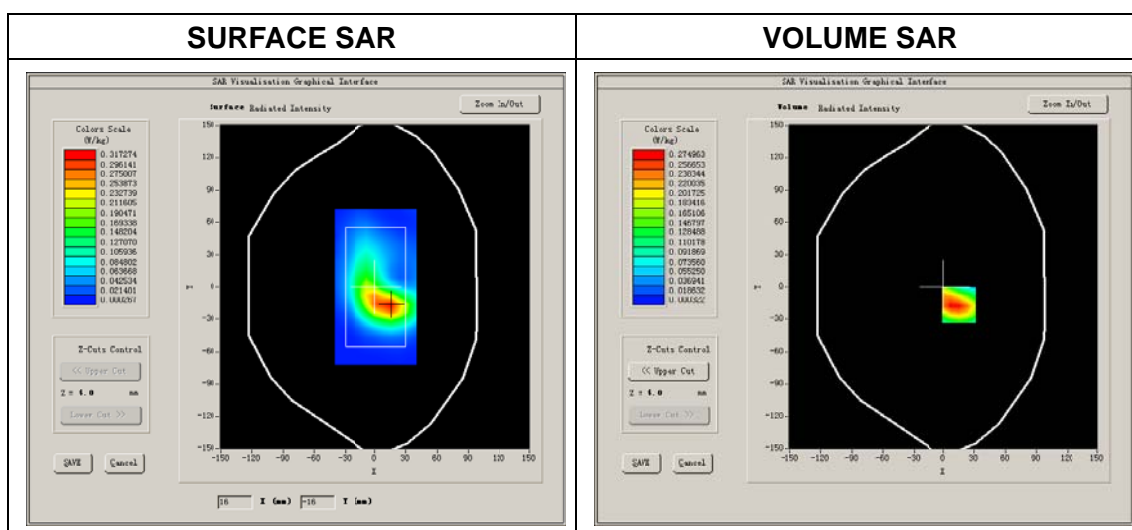
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	High
Signal	QPSK_25RB_RB offset 24

B. SAR Measurement Results

Higher Band SAR (Channel 23800):

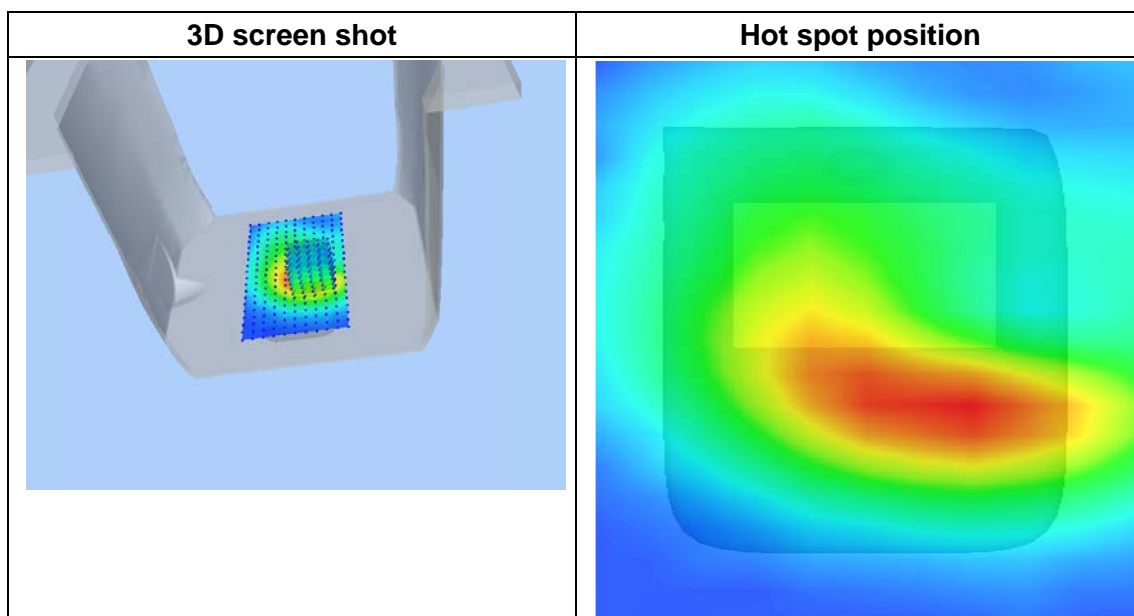
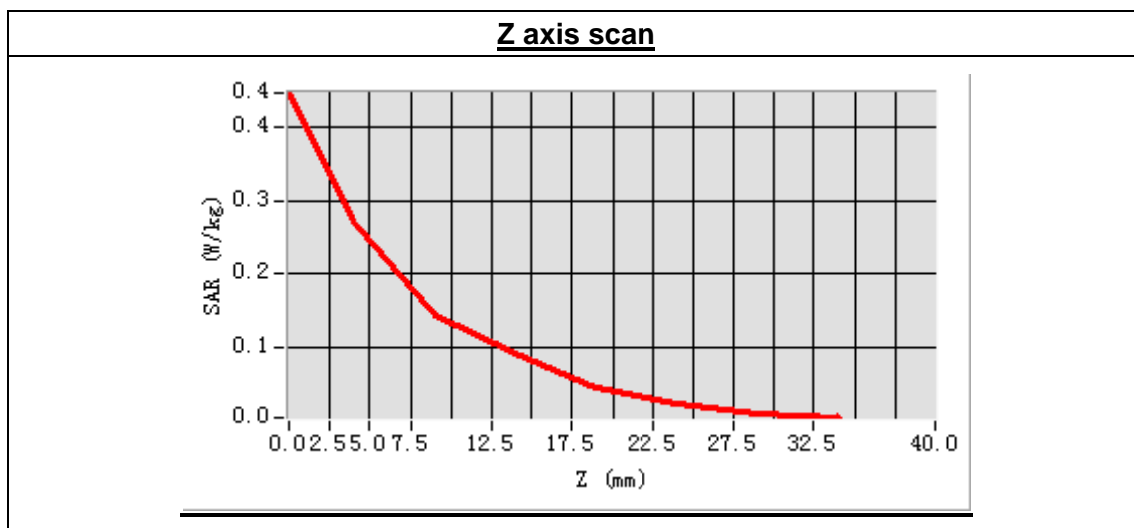
Frequency (MHz)	711.000000
Relative permittivity (real part)	54.720000
Conductivity (S/m)	0.970000
Power drift (%)	-0.900000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	6.96
Crest factor:	1:1



Maximum location: X=15.00, Y=-17.00

SAR Peak: 0.51 W/kg

SAR 10g (W/Kg)	0.164761
SAR 1g (W/Kg)	0.320720



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: 2013.12.21

Measurement duration: 13 minutes 11 seconds

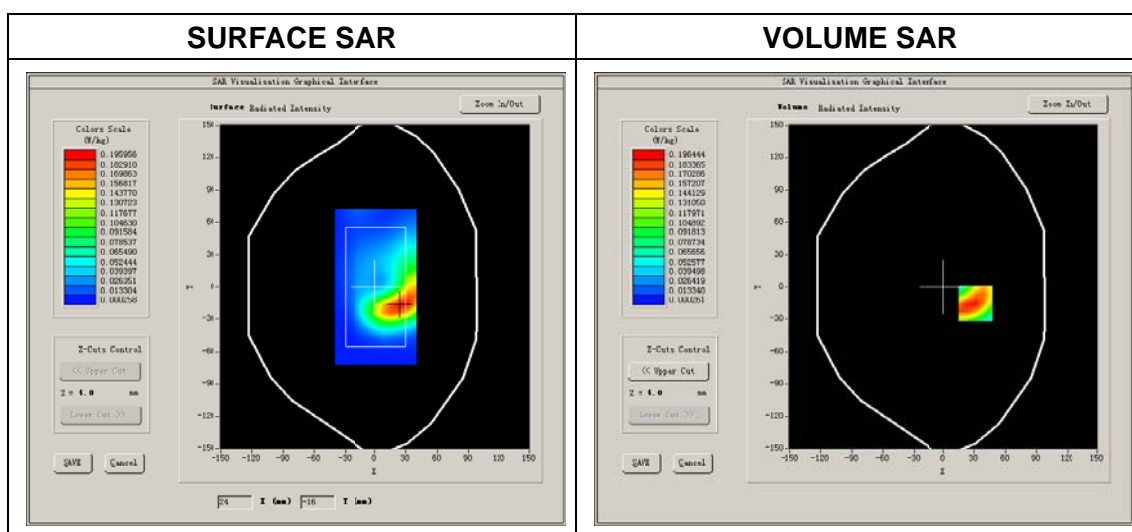
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	High
Signal	QPSK_25RB_RB offset 24

B. SAR Measurement Results

Higher Band SAR (Channel 23800):

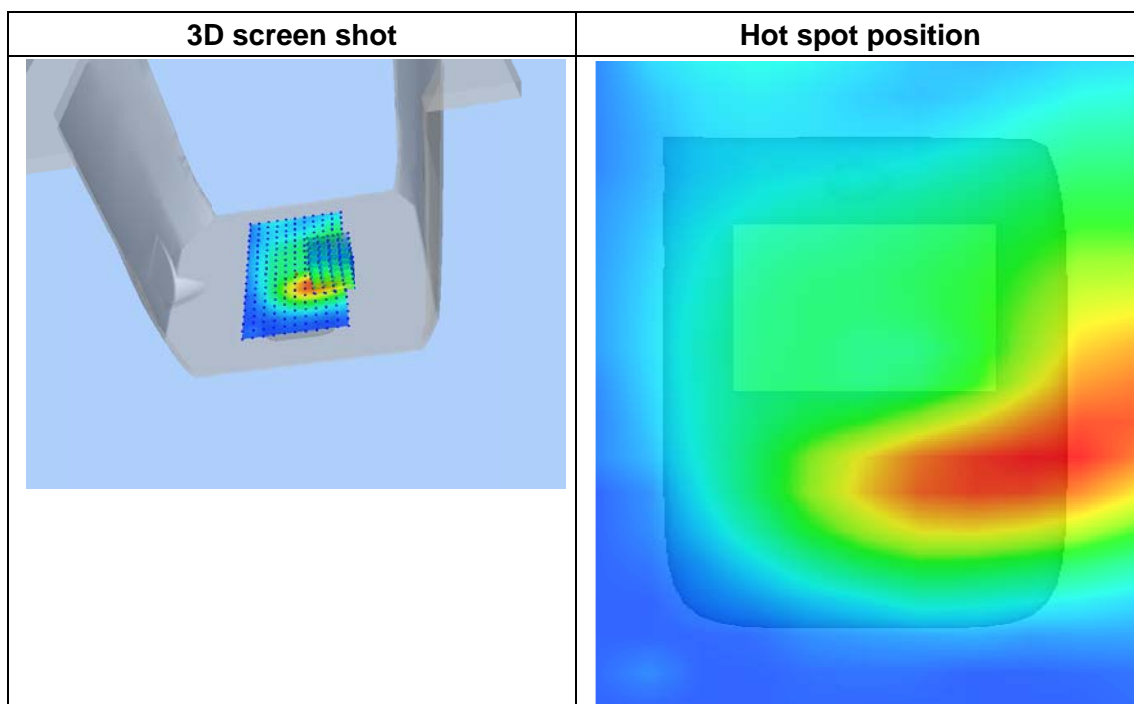
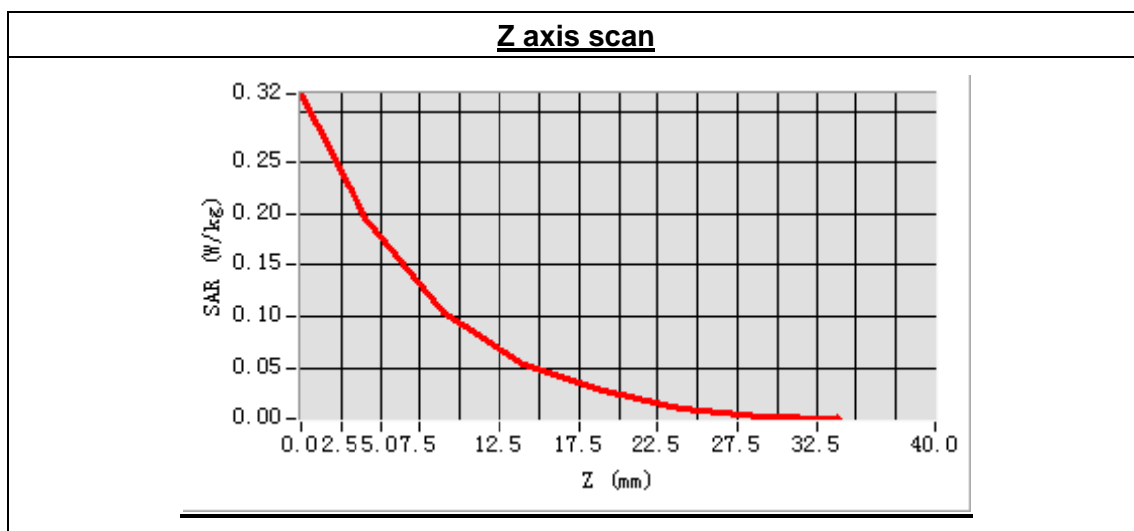
Frequency (MHz)	711.000000
Relative permittivity (real part)	54.720000
Conductivity (S/m)	0.970000
Power drift (%)	-1.020000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	6.96
Crest factor:	1:1



Maximum location: X=31.00, Y=-15.00

SAR Peak: 0.36 W/kg

SAR 10g (W/Kg)	0.116667
SAR 1g (W/Kg)	0.228285



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: 2013.12.21

Measurement duration: 13 minutes 11 seconds

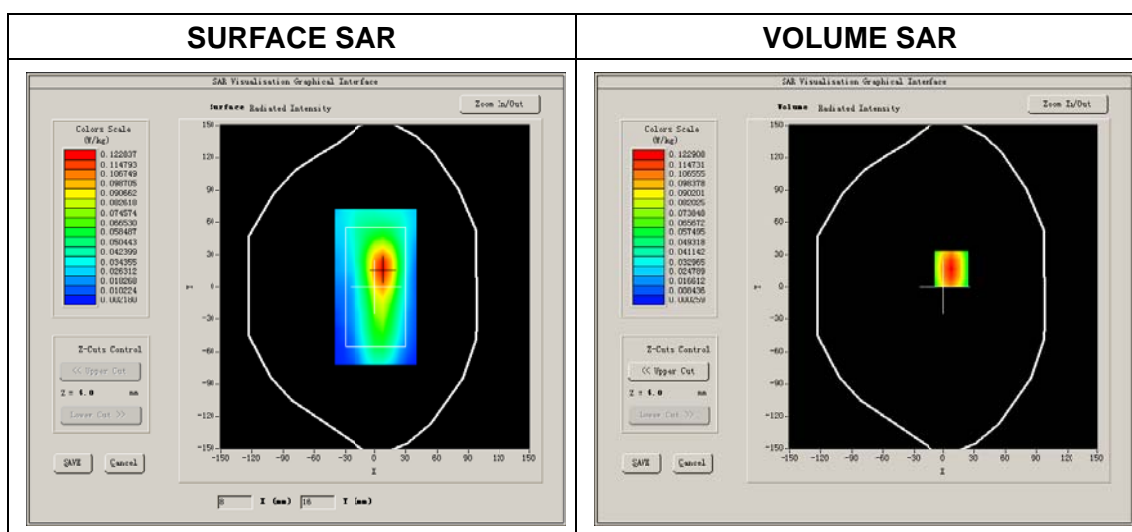
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	High
Signal	QPSK_25RB_RB offset 24

B. SAR Measurement Results

Higher Band SAR (Channel 23800):

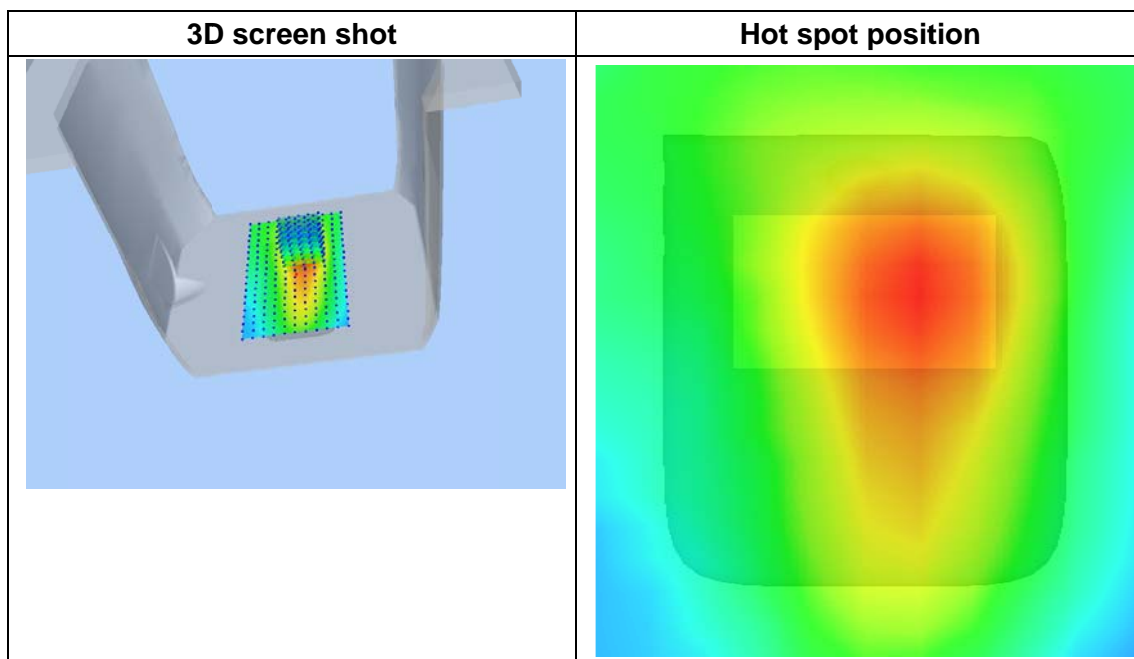
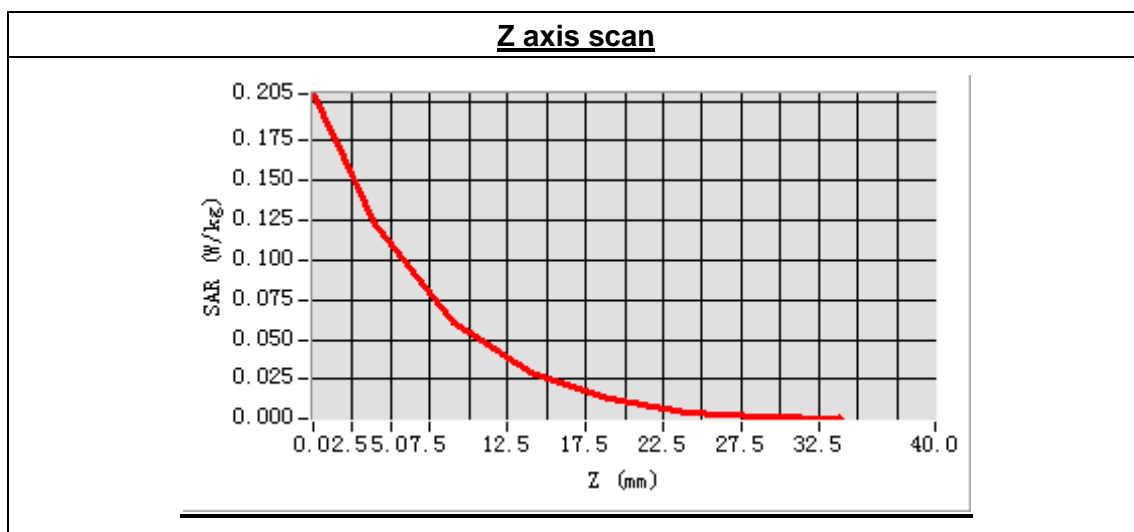
Frequency (MHz)	711.000000
Relative permittivity (real part)	54.720000
Conductivity (S/m)	0.970000
Power drift (%)	-0.670000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	6.96
Crest factor:	1:1



Maximum location: X=8.00, Y=17.00

SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.071062
SAR 1g (W/Kg)	0.141099



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: 2013.12.21

Measurement duration: 13 minutes 11 seconds

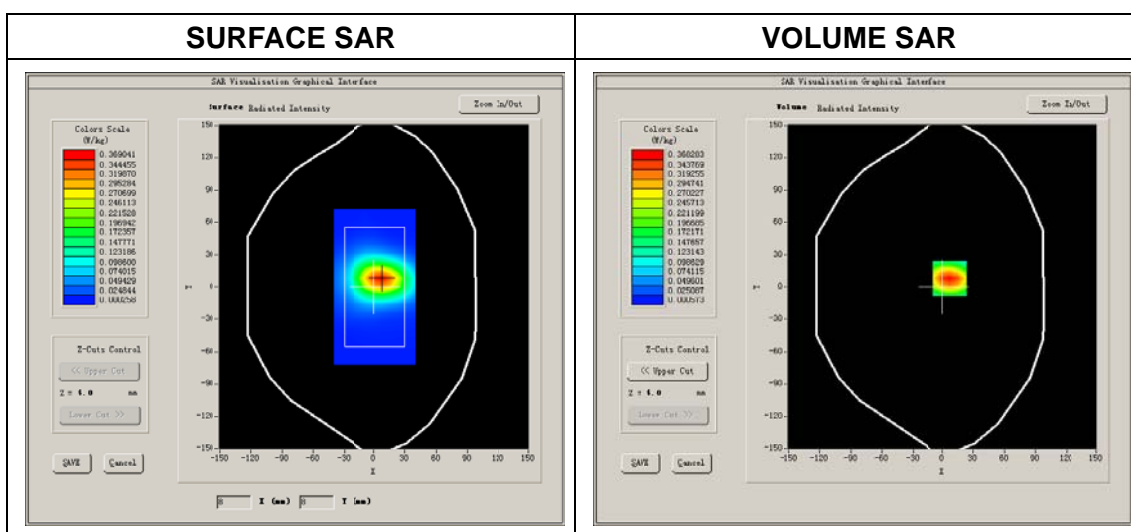
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	High
Signal	QPSK_25RB_RB offset 24

B. SAR Measurement Results

Higher Band SAR (Channel 23800):

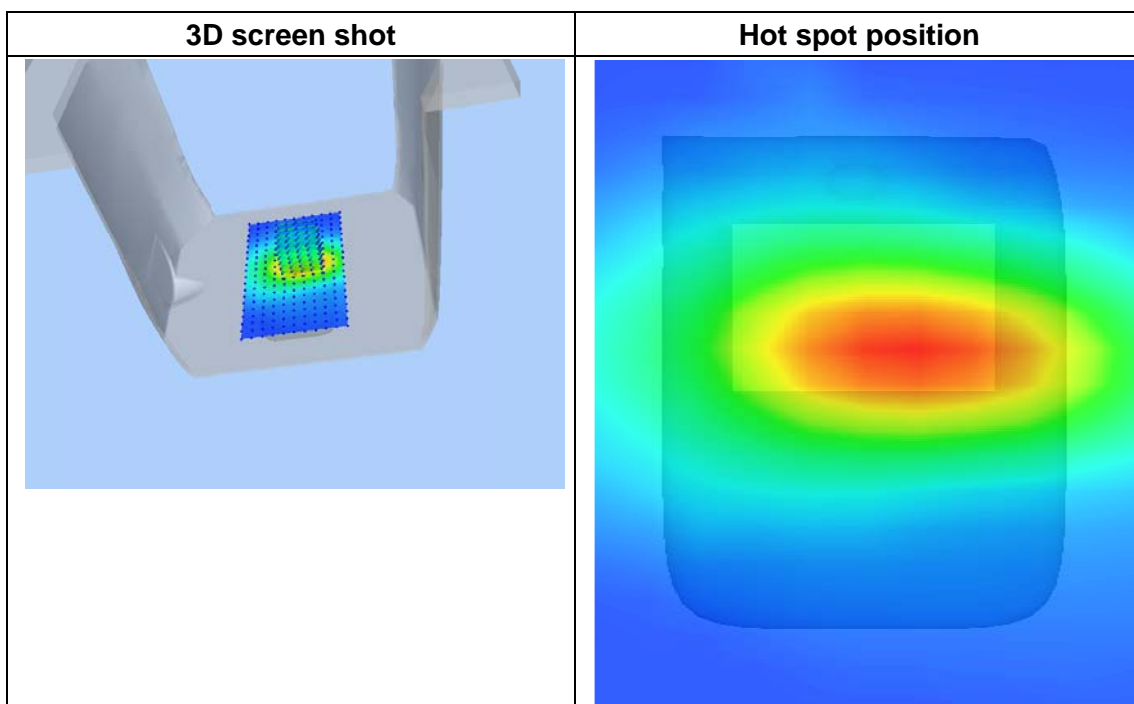
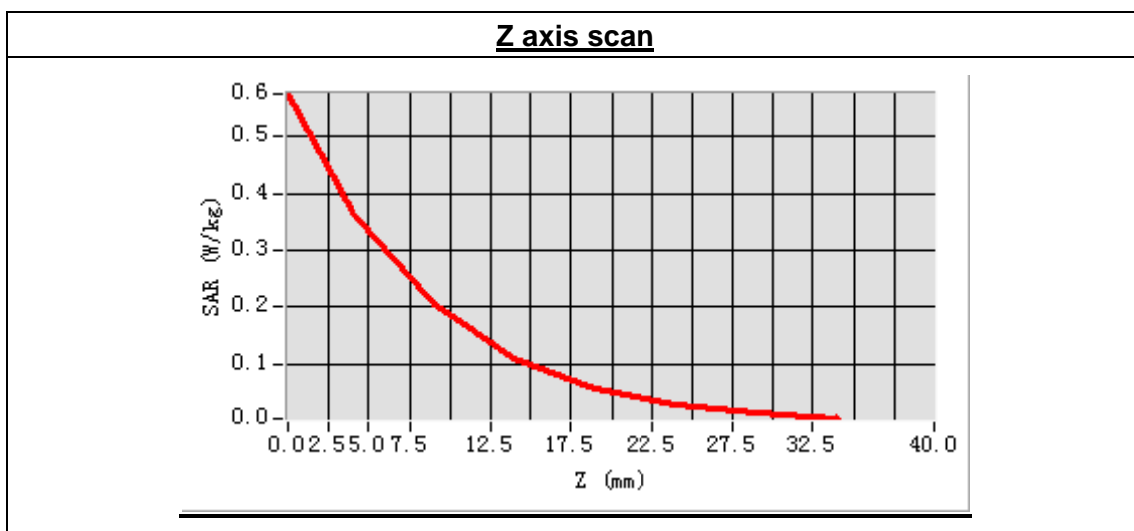
Frequency (MHz)	711.000000
Relative permittivity (real part)	54.720000
Conductivity (S/m)	0.970000
Power drift (%)	-0.320000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	6.96
Crest factor:	1:1



Maximum location: X=7.00, Y=8.00

SAR Peak: 0.66 W/kg

SAR 10g (W/Kg)	0.216756
SAR 1g (W/Kg)	0.420473



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: 2013.12.21

Measurement duration: 13 minutes 11 seconds

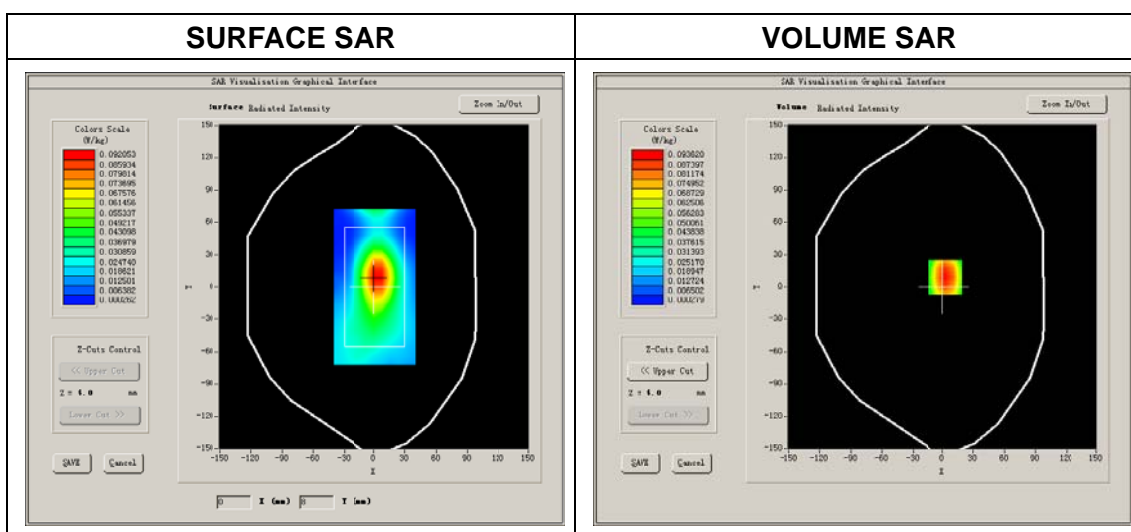
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat Plane
Device Position	Body
Band	LTE Band17 (10MHz)
Channels	High
Signal	QPSK_25RB_RB offset 24

B. SAR Measurement Results

Higher Band SAR (Channel 23800):

Frequency (MHz)	711.000000
Relative permittivity (real part)	54.720000
Conductivity (S/m)	0.970000
Power drift (%)	-0.290000
Ambient Temperature:	22.7°C
Liquid Temperature:	22.1°C
ConvF:	6.96
Crest factor:	1:1



Maximum location: X=3.00, Y=9.00

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.056708
SAR 1g (W/Kg)	0.107475

