

Annex B System Check Data

System Performance Check Data(750MHz Head)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.12.04

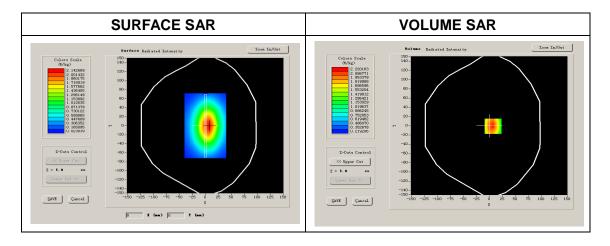
Measurement duration: 13 minutes 28 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	750MHz
Channels	
Signal	CW

B. SAR Measurement Results

Frequency (MHz)	750.000000
Relative permittivity (real part)	41.523664
Conductivity (S/m)	0.852360
Power drift (%)	1.070000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.3°C
ConvF:	6.13
Crest factor:	1:1



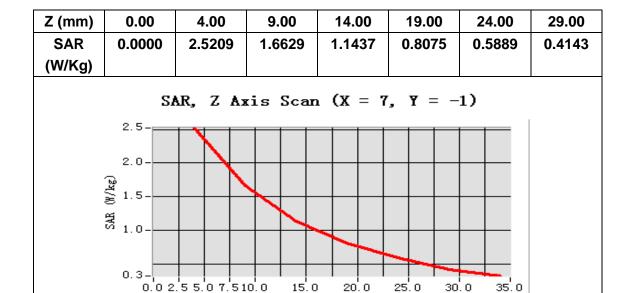




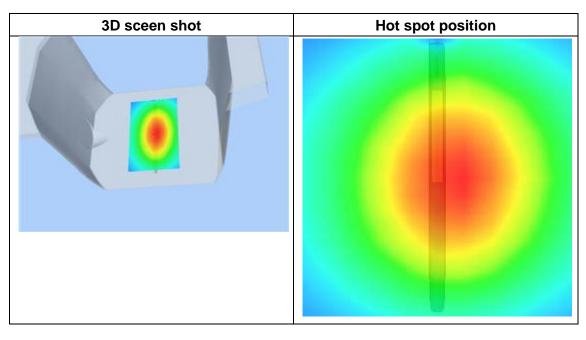
Maximum location: X=7.00, Y=-1.00

SAR 10g (W/Kg)	0.531872
SAR 1g (W/Kg)	0.826241

Z Axis Scan



Z (mm)







System Performance Check Data(750MHz Body)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.12.04

Measurement duration: 13 minutes 28 seconds

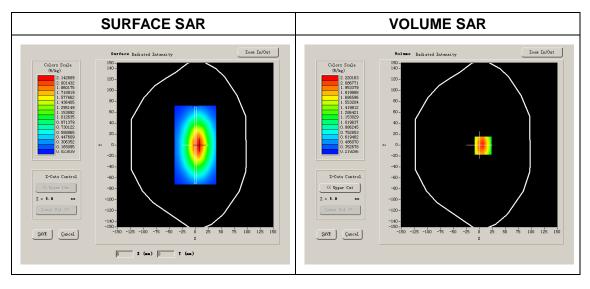
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	750MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

Frequency (MHz)	750.000000
Relative permittivity (real part)	55.232574
Conductivity (S/m)	0.955256
Power drift (%)	1.070000
Ambient Temperature:	22.6°C
Liquid Temperature:	22.3°C
ConvF:	6.37
Crest factor:	1:1



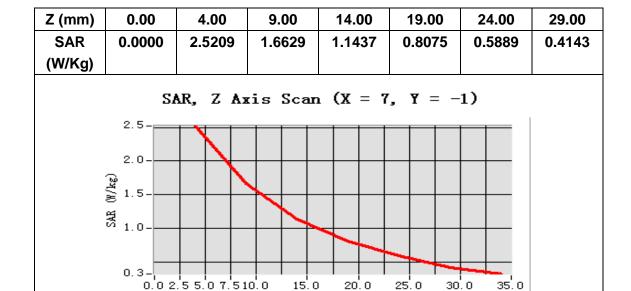




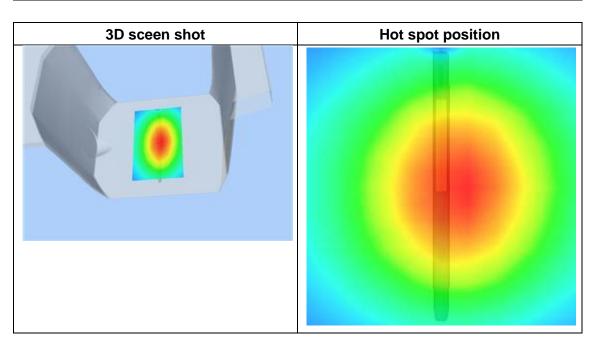
Maximum location: X=7.00, Y=-1.00

SAR 10g (W/Kg)	0.556132
SAR 1g (W/Kg)	0.854102

Z Axis Scan



Z (mm)







System Performance Check Data(835MHz Head)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.11.16

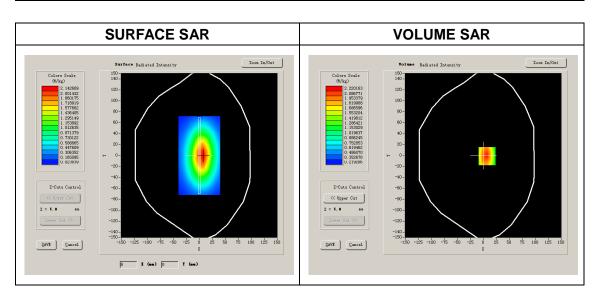
Measurement duration: 13 minutes 28 seconds

A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	835MHz
Channels	
Signal	CW

B. SAR Measurement Results

Frequency (MHz)	835.000000
Relative permittivity (real part)	41.182291
Conductivity (S/m)	0.891718
Power drift (%)	1.070000
Ambient Temperature:	22.8°C
Liquid Temperature:	22.7°C
ConvF:	6.13
Crest factor:	1:1



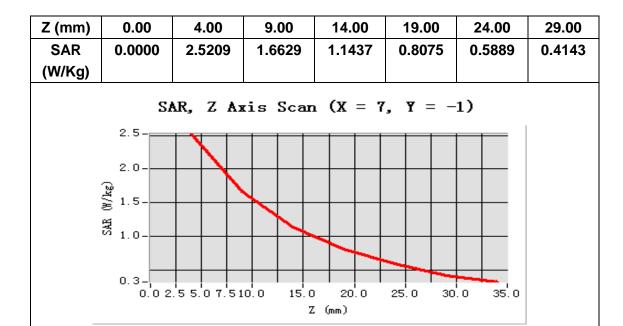


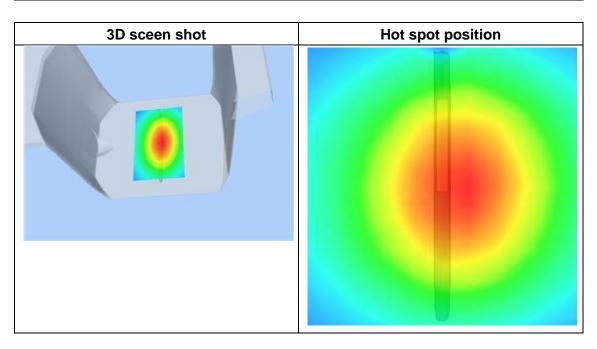


Maximum location: X=7.00, Y=-1.00

SAR 10g (W/Kg)	0.621814
SAR 1g (W/Kg)	0.955221

Z Axis Scan









System Performance Check Data(835MHz Body)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.11.16

Measurement duration: 13 minutes 28 seconds

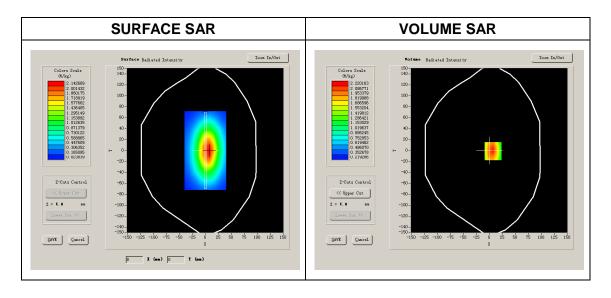
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	835MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

Frequency (MHz)	835.000000
Relative permittivity (real part)	55.282291
Conductivity (S/m)	0.971718
Power drift (%)	1.070000
Ambient Temperature:	22.8°C
Liquid Temperature:	22.7°C
ConvF:	6.37
Crest factor:	1:1



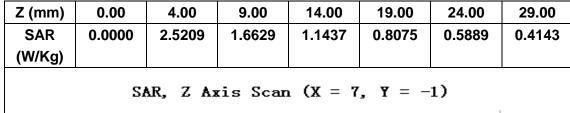


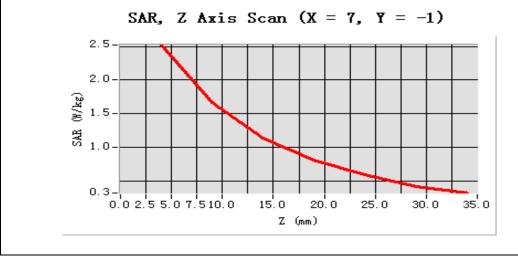


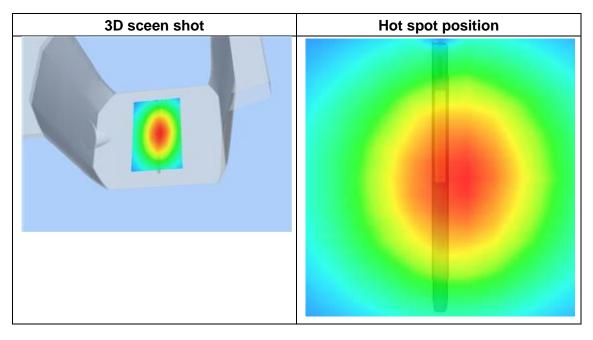
Maximum location: X=7.00, Y=-1.00

SAR 10g (W/Kg)	0.422151
SAR 1g (W/Kg)	0.974164

Z Axis Scan











System Performance Check Data(1800MHz Head)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.11.17

Measurement duration: 13 minutes 27 seconds

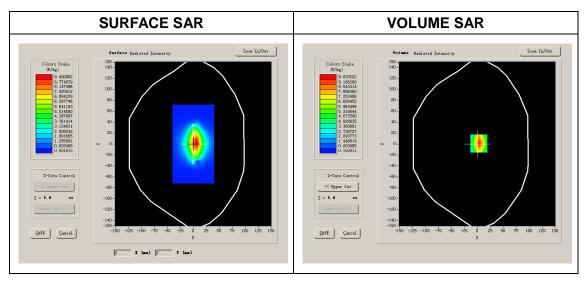
A. Experimental conditions.

-xpo:::::o::ta: co::a:tio::o:	
Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	1800MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

Frequency (MHz)	1800.000000
Relative permittivity (real part)	40.095167
Conductivity (S/m)	1.365073
Power drift (%)	0.310000
Ambient Temperature:	22.5°C
Liquid Temperature:	22.7°C
ConvF:	5.21
Crest factor:	1:1



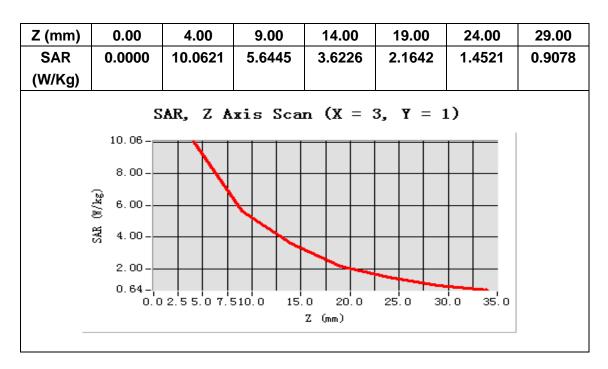


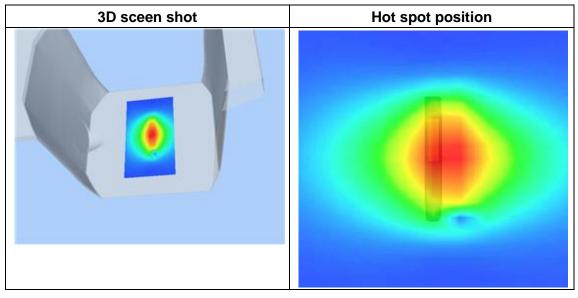


Maximum location: X=3.00, Y=1.00

SAR 10g (W/Kg)	2.048386
SAR 1g (W/Kg)	3.612151

Z Axis Scan









System Performance Check Data(1800MHz Body)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.11.17

Measurement duration: 13 minutes 27 seconds

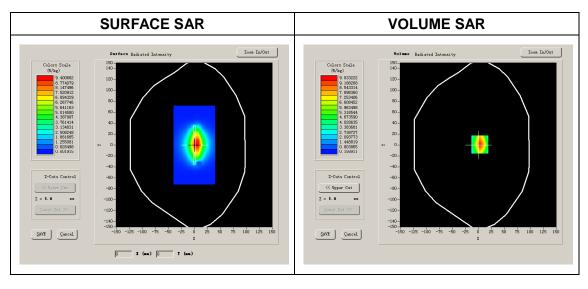
A. Experimental conditions.

71,001111011101101101101101101	
Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	1800MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

Frequency (MHz)	1800.000000
Relative permittivity (real part)	53.295167
Conductivity (S/m)	1.515073
Power drift (%)	0.310000
Ambient Temperature:	22.5°C
Liquid Temperature:	22.7°C
ConvF:	5.38
Crest factor:	1:1



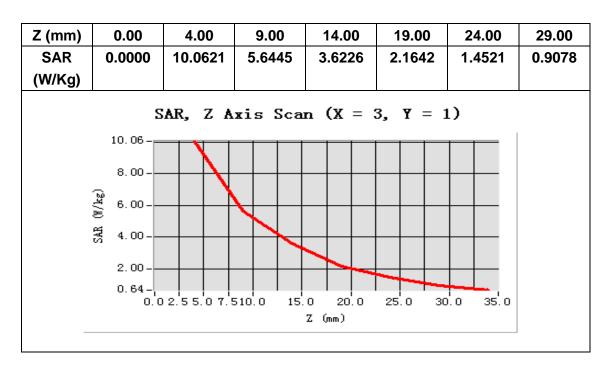


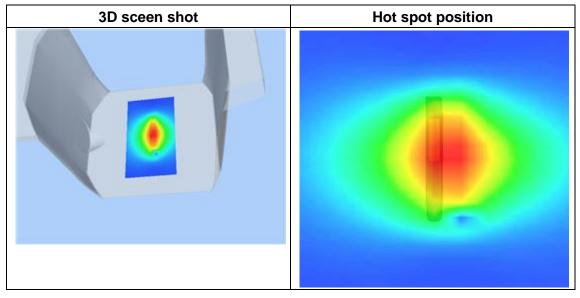


Maximum location: X=3.00, Y=1.00

SAR 10g (W/Kg)	1.938386
SAR 1g (W/Kg)	3.706113

Z Axis Scan









System Performance Check Data(2000MHz Head)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.11.15

Measurement duration: 13 minutes 27 seconds

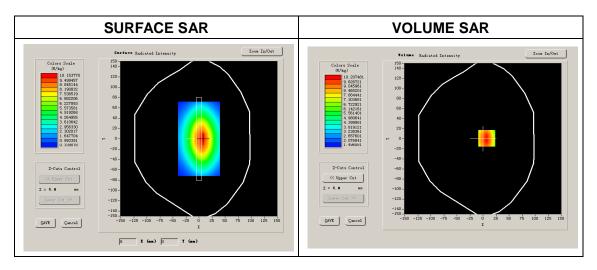
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	2000MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

Frequency (MHz)	2000.000000
Relative permittivity (real part)	39.924477
Conductivity (S/m)	1.434283
Power drift (%)	-0.830000
Ambient Temperature:	22.2°C
Liquid Temperature:	22.6°C
ConvF:	5.61
Crest factor:	1:1



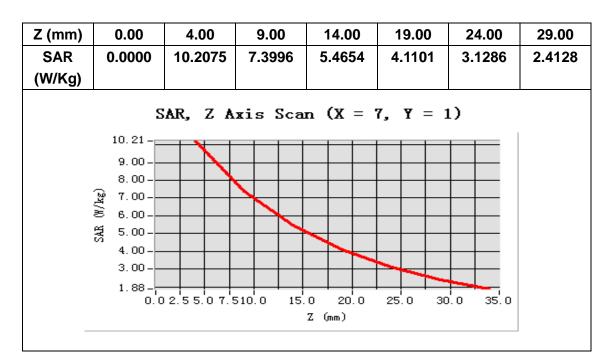


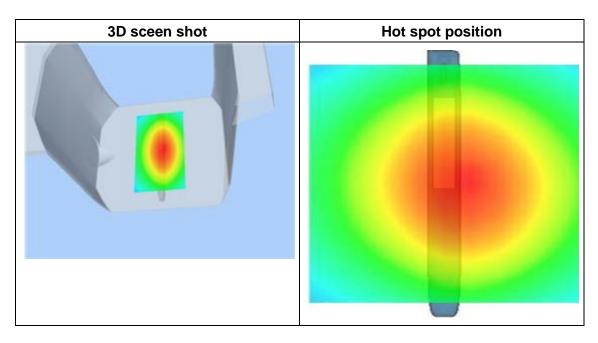


Maximum location: X=7.00, Y=1.00

SAR 10g (W/Kg)	1.992518
SAR 1g (W/Kg)	4.233154

Z Axis Scan









System Performance Check Data(2000MHz Body)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.11.15

Measurement duration: 13 minutes 27 seconds

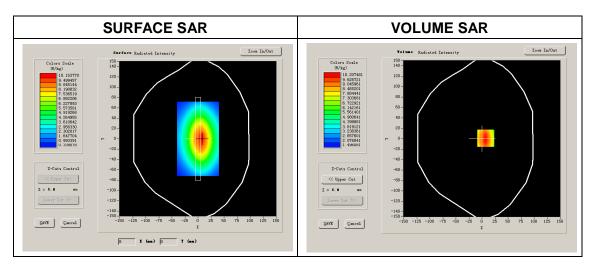
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	2000MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

Frequency (MHz)	2000.000000
Relative permittivity (real part)	53.245167
Conductivity (S/m)	1.535073
Power drift (%)	-1.860000
Ambient Temperature:	22.2°C
Liquid Temperature:	22.6°C
ConvF:	5.71
Crest factor:	1:1



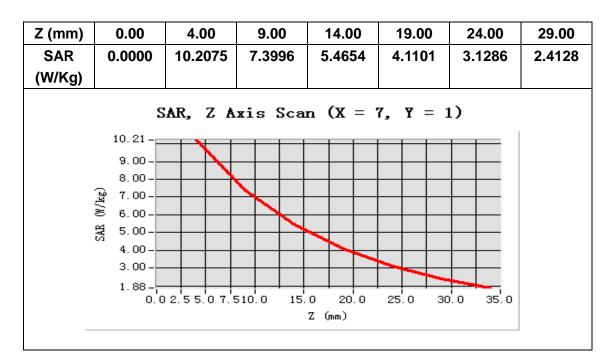


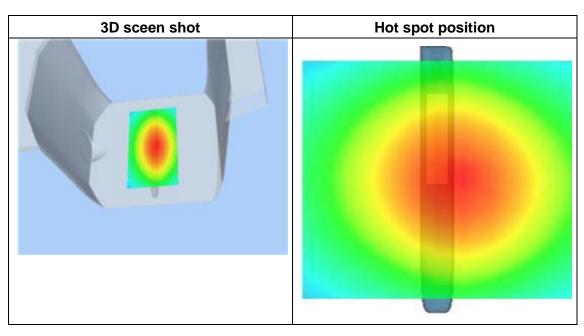


Maximum location: X=7.00, Y=1.00

SAR 10g (W/Kg)	2.092518
SAR 1g (W/Kg)	4.120114

Z Axis Scan









System Performance Check Data(2450MHz Head)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.11.28

Measurement duration: 13 minutes 31 seconds

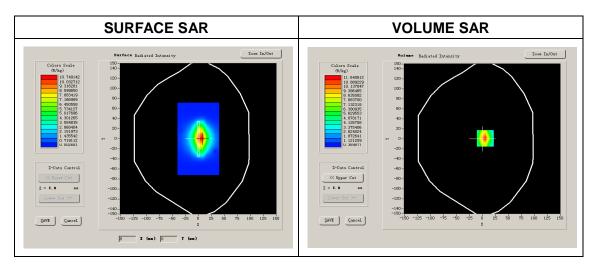
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	2450MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

Frequency (MHz)	2450.000000
Relative permittivity (real part)	39.284446
Conductivity (S/m)	1.836061
Power Drift (%)	1.080000
Ambient Temperature:	22.4°C
Liquid Temperature:	22.7°C
ConvF:	4.82
Crest factor:	1:1



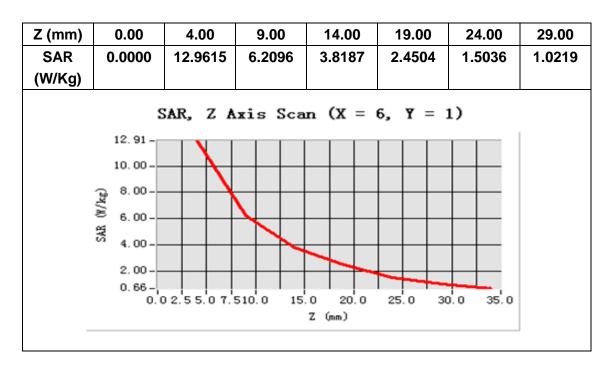


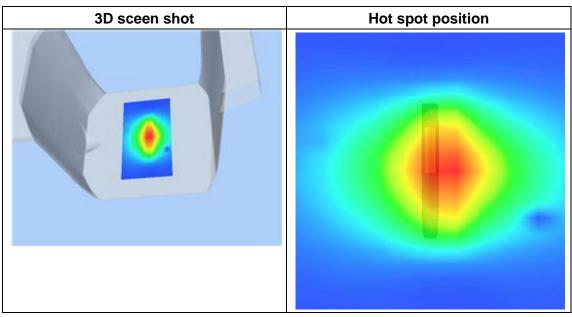


Maximum location: X=6.00, Y=1.00

SAR 10g (W/Kg)	2.377250
SAR 1g (W/Kg)	5.300146

Z Axis Scan









System Performance Check Data(2450MHz Body)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.11.28

Measurement duration: 13 minutes 31 seconds

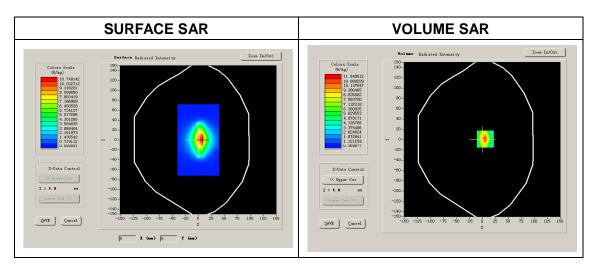
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	2450MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

Frequency (MHz)	2450.000000
Relative permittivity (real part)	52.884446
Conductivity (S/m)	1.966143
Power Drift (%)	1.080000
Ambient Temperature:	22.4°C
Liquid Temperature:	22.7°C
ConvF:	4.96
Crest factor:	1:1



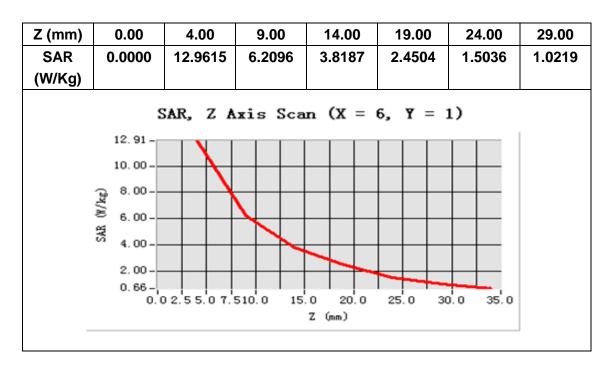


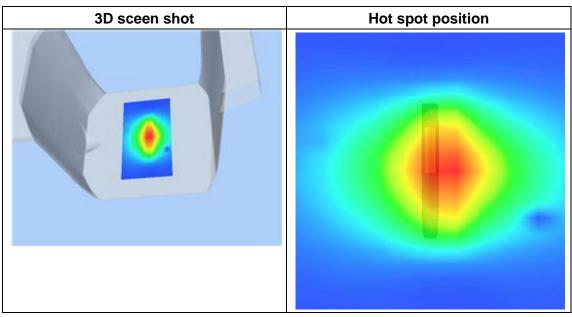


Maximum location: X=6.00, Y=1.00

SAR 10g (W/Kg)	2.377250
SAR 1g (W/Kg)	5.097074

Z Axis Scan









System Performance Check Data(2600MHz Head)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.11.18

Measurement duration: 13 minutes 31 seconds

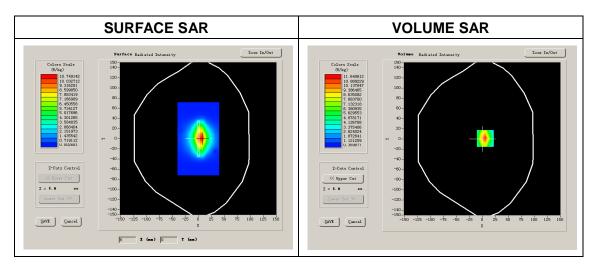
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	2600MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

Frequency (MHz)	2600.000000
Relative permittivity (real part)	39.024564
Conductivity (S/m)	1.975236
Power Drift (%)	1.080000
Ambient Temperature:	22.3°C
Liquid Temperature:	22.4°C
ConvF:	4.74
Crest factor:	1:1



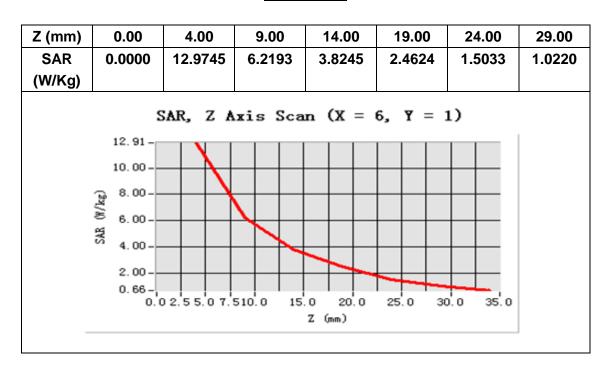


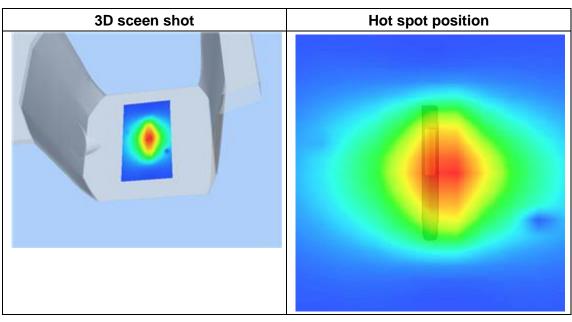


Maximum location: X=6.00, Y=1.00

SAR 10g (W/Kg)	2.498154
SAR 1g (W/Kg)	5.701483

Z Axis Scan









System Performance Check Data(2600MHz Body)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017.11.18

Measurement duration: 13 minutes 31 seconds

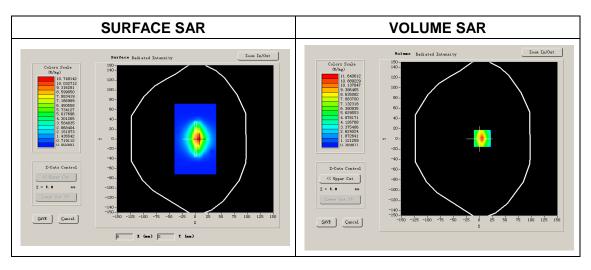
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Flat
Device Position	
Band	2600MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

Frequency (MHz)	2600.000000
Relative permittivity (real part)	52.261483
Conductivity (S/m)	2.155256
Power Drift (%)	1.380000
Ambient Temperature:	22.3°C
Liquid Temperature:	22.4°C
ConvF:	4.93
Crest factor:	1:1



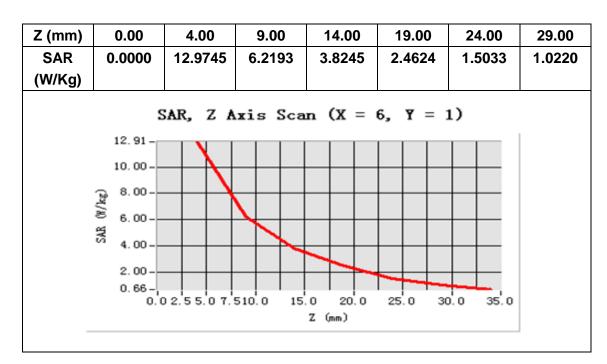


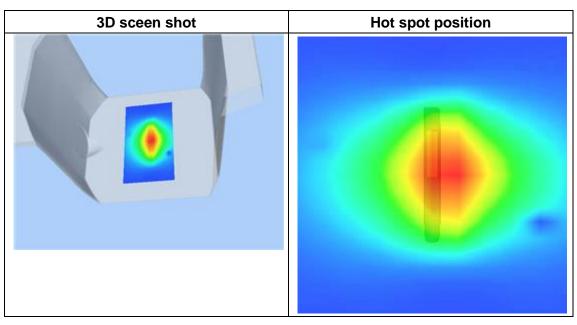


Maximum location: X=6.00, Y=1.00

SAR 10g (W/Kg)	2.569854
SAR 1g (W/Kg)	5.412472

Z Axis Scan









System Performance Check Data(5200MHz Head)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2017.11.30

Measurement duration: 13 minutes 27 seconds

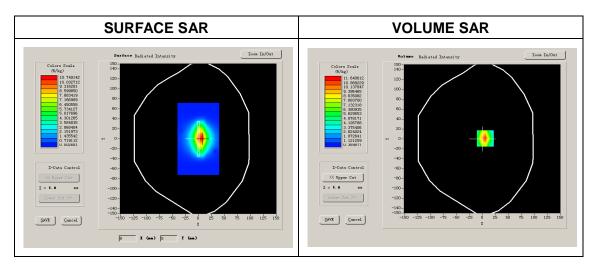
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Device Position	
Band	5200MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

Frequency (MHz)	5200.000000
Relative permittivity (real part)	36.123014
Conductivity (S/m)	4.665260
Power Drift (%)	2.310000
Ambient Temperature:	22.3°C
Liquid Temperature:	22.8°C
ConvF:	21.61
Crest factor:	1:1



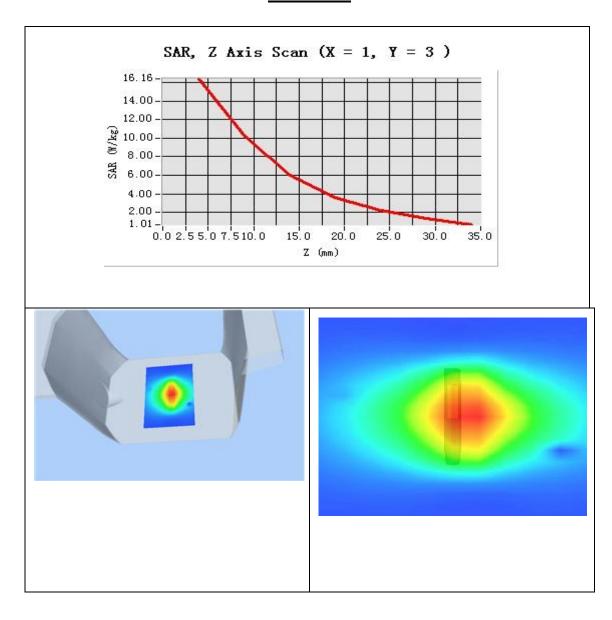




Maximum location: X=1.00, Y=3.00

SAR 10g (W/Kg)	8.551263
SAR 1g (W/Kg)	16.438894

Z Axis Scan







System Performance Check Data(5200MHz Body)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2017.11.30

Measurement duration: 13 minutes 27 seconds

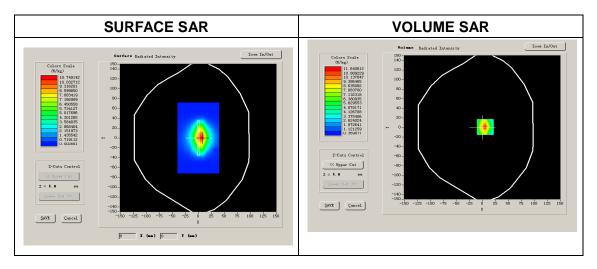
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Device Position	
Band	5200MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

Frequency (MHz)	5200.000000
Relative permittivity (real part)	49.273014
Conductivity (S/m)	5.543260
Power Drift (%)	2.310000
Ambient Temperature:	22.3°C
Liquid Temperature:	22.8°C
ConvF:	22.11
Crest factor:	1:1



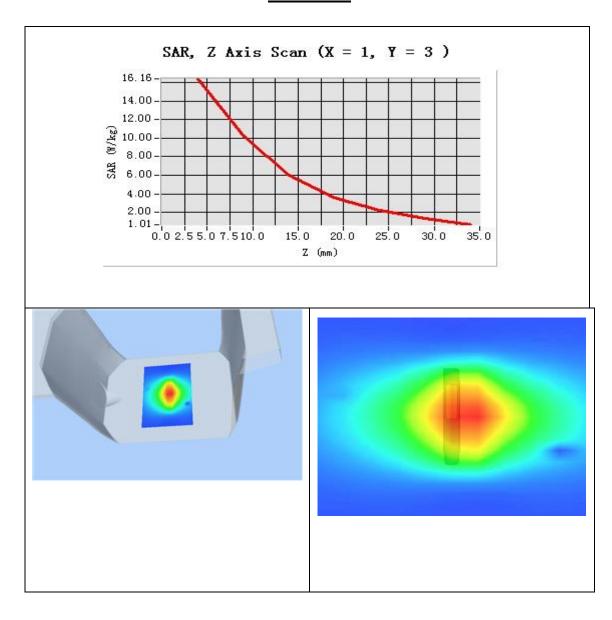




Maximum location: X=1.00, Y=3.00

SAR 10g (W/Kg)	8.024355
SAR 1g (W/Kg)	16.421884

Z Axis Scan







System Performance Check Data(5800MHz Head)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2017.11.30

Measurement duration: 13 minutes 27 seconds

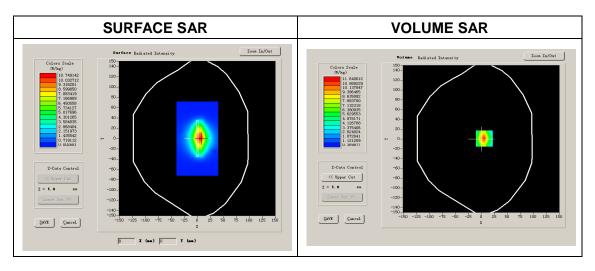
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Device Position	
Band	5800MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

Frequency (MHz)	5800.000000
Relative permittivity (real part)	35.334675
Conductivity (S/m)	5.310226
Power Drift (%)	1.260000
Ambient Temperature:	22.3°C
Liquid Temperature:	22.8°C
ConvF:	22.42
Crest factor:	1:1



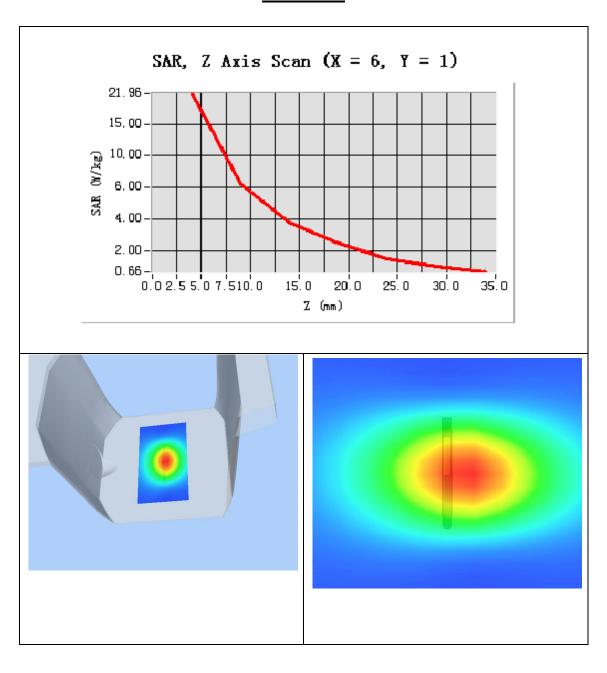




Maximum location: X=-6.00, Y=-1.00

SAR 10g (W/Kg)	9.994412
SAR 1g (W/Kg)	17.751206

Z Axis Scan







System Performance Check Data(5800MHzBody)

Type: Phone measurement (Complete)

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

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2017.11.30

Measurement duration: 13 minutes 27 seconds

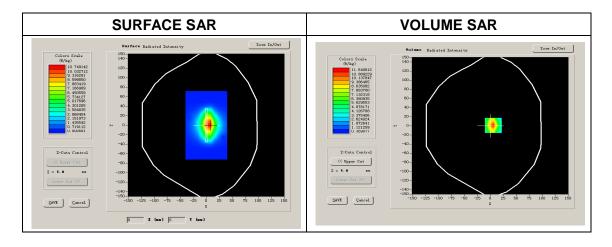
A. Experimental conditions.

Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Device Position	
Band	5800MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

Frequency (MHz)	5800.000000
Relative permittivity (real part)	48.093428
Conductivity (S/m)	5.930716
Power Drift (%)	1.260000
Ambient Temperature:	22.3°C
Liquid Temperature:	22.8°C
ConvF:	23.02
Crest factor:	1:1







Maximum location: X=-6.00, Y=-1.00

SAR 10g (W/Kg)	9.782634
SAR 1g (W/Kg)	17.663901

Z Axis Scan

