

Appendix A: SAR System performance Check Plots

Measurement	Liquid	Frequency	Test Date
System Check	Head	750	2019-10-21
System Check	Body	750	2019-10-21
System Check	Head	835	2019-10-22
System Check	Body	835	2019-10-22
System Check	Head	1800	2019-10-24
System Check	Body	1800	2019-10-24
System Check	Head	1900	2019-10-25
System Check	Body	1900	2019-10-25
System Check	Head	2450	2019-10-26
System Check	Body	2450	2019-10-26
System Check	Head	2600	2019-10-28
System Check	Body	2600	2019-10-28
System Check	Head	5200	2019-10-29
System Check	Body	5200	2019-10-29
System Check	Head	5400	2019-10-30
System Check	Body	5400	2019-10-30
System Check	Head	5600	2019-11-01
System Check	Body	5600	2019-11-01
System Check	Head	5800	2019-10-31
System Check	Body	5800	2019-10-31

System Performance Check (Head, 750MHz)

Type: Phone measurement

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

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

Date of measurement: 10/21/2019

Measurement duration: 22 minutes 01 seconds

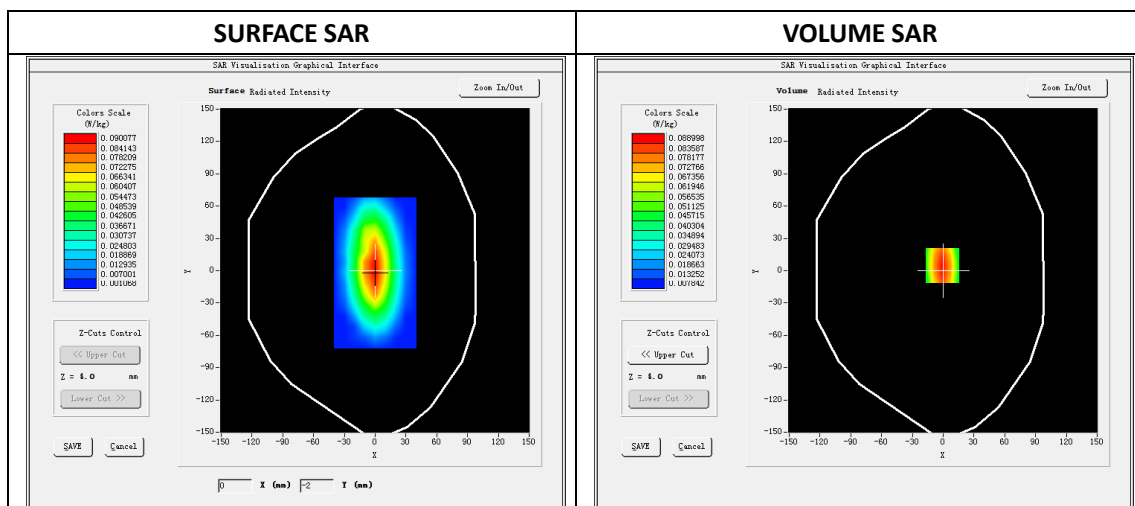
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	750MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

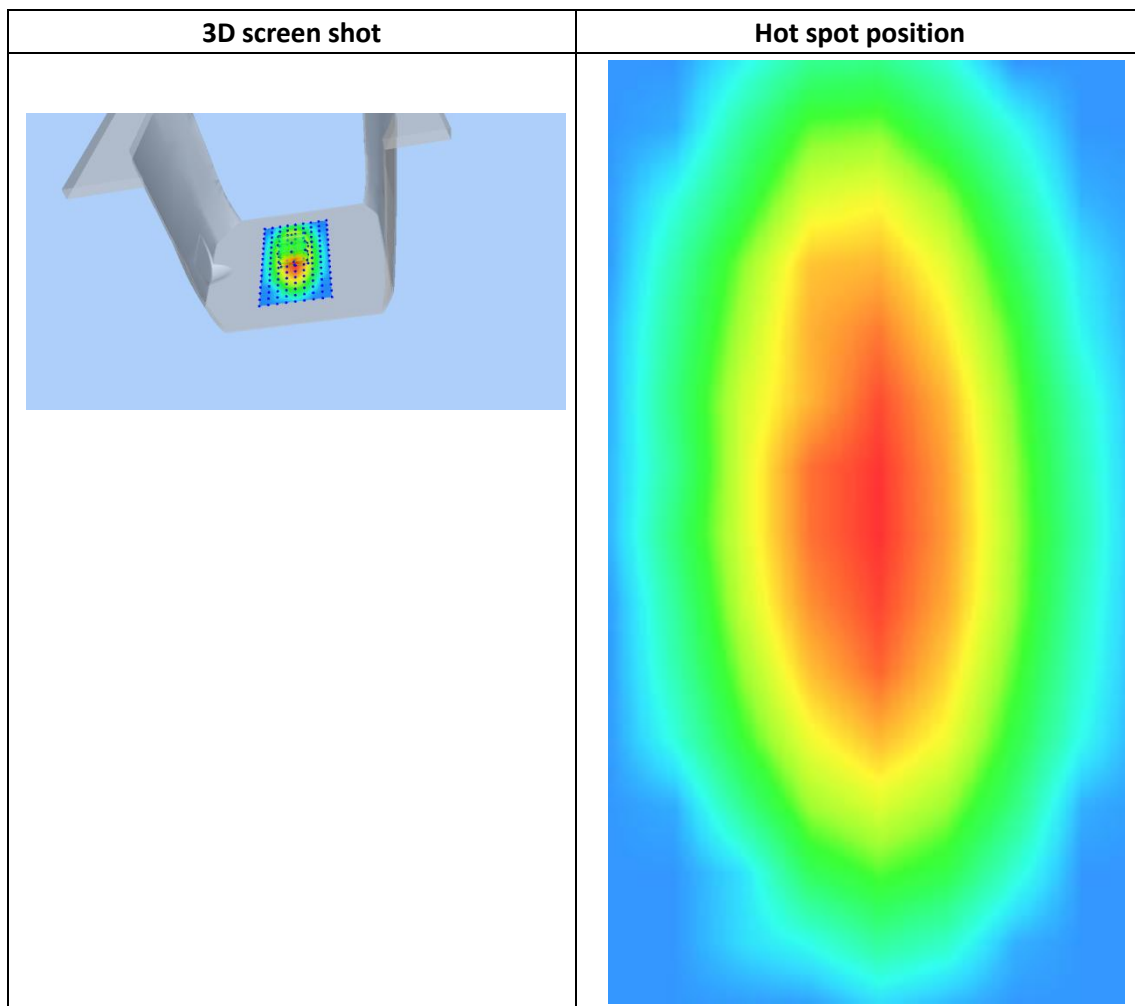
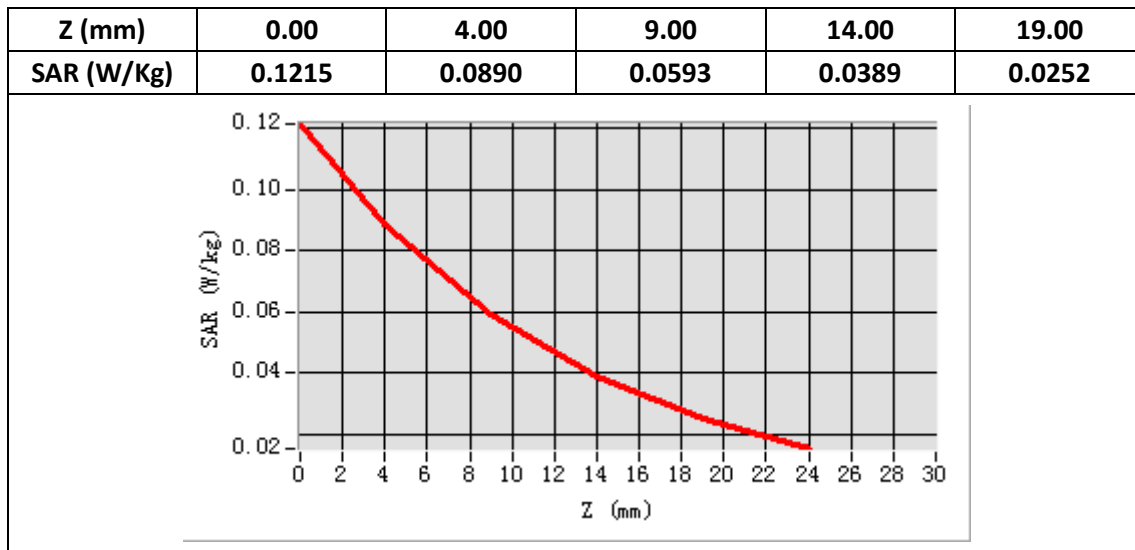
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	750
Relative permittivity (real part)	41.91
Relative permittivity	22.08
Conductivity (S/m)	0.92
Power drift (%)	-0.92
Ambient Temperature:	22.2°C
Liquid Temperature:	22.6°C
ConvF:	1.87
Crest factor:	1:1



Maximum location: X=-1.00, Y=5.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.052750
SAR 1g (W/Kg)	0.084365



System Performance Check (Body, 750MHz)

Type: Phone measurement

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

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

Date of measurement: 10/21/2019

Measurement duration: 22 minutes 03 seconds

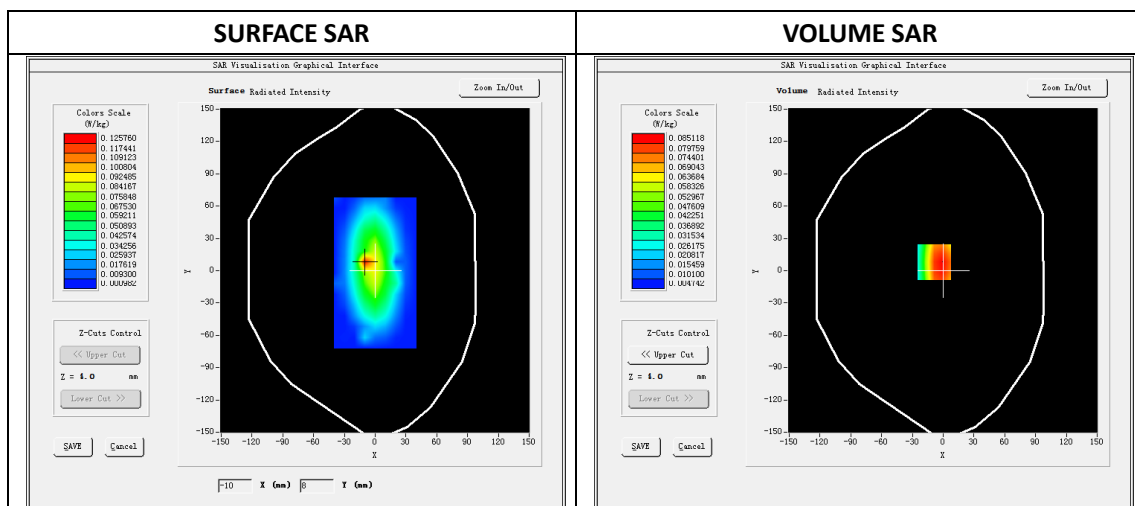
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	750MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

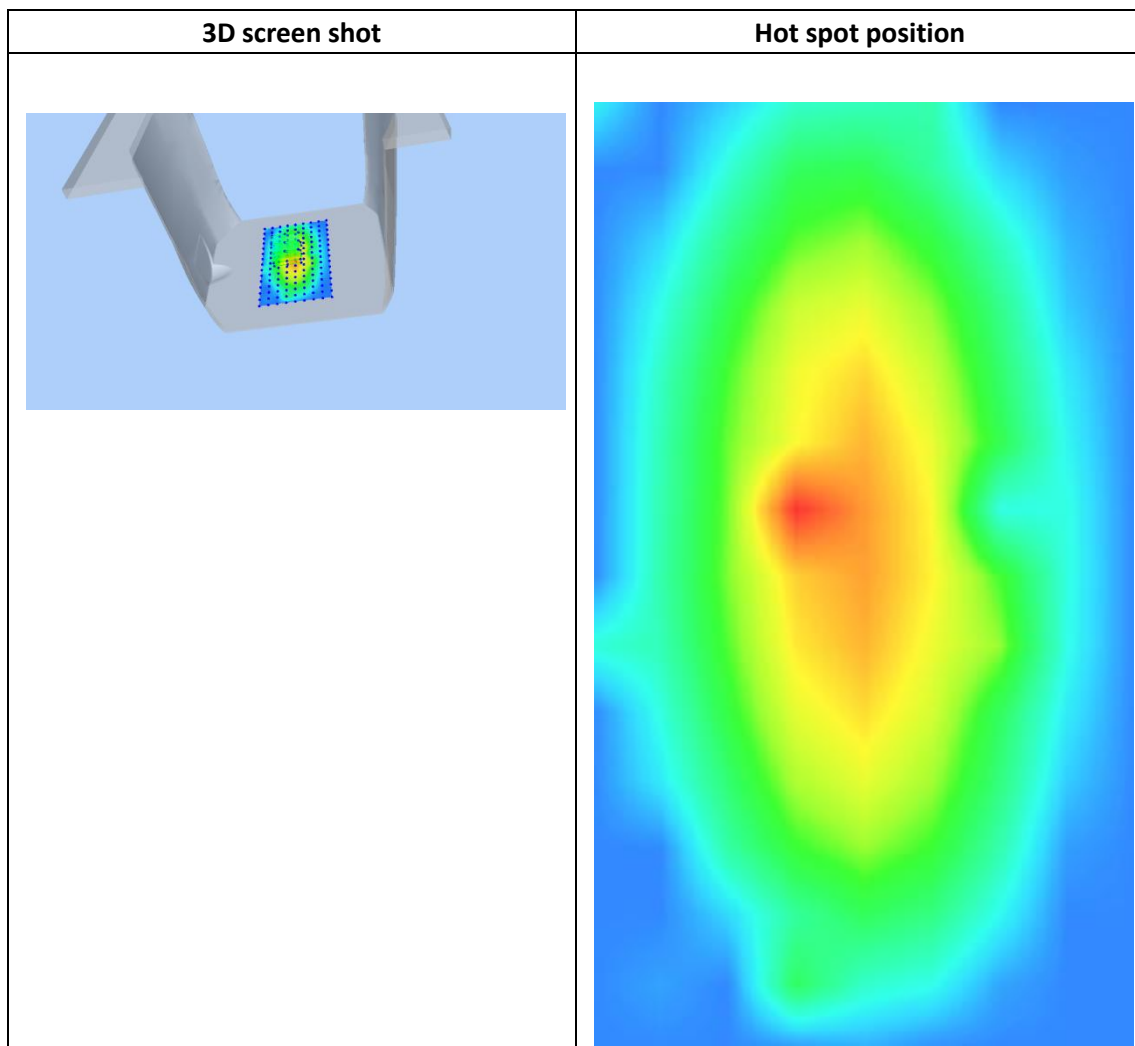
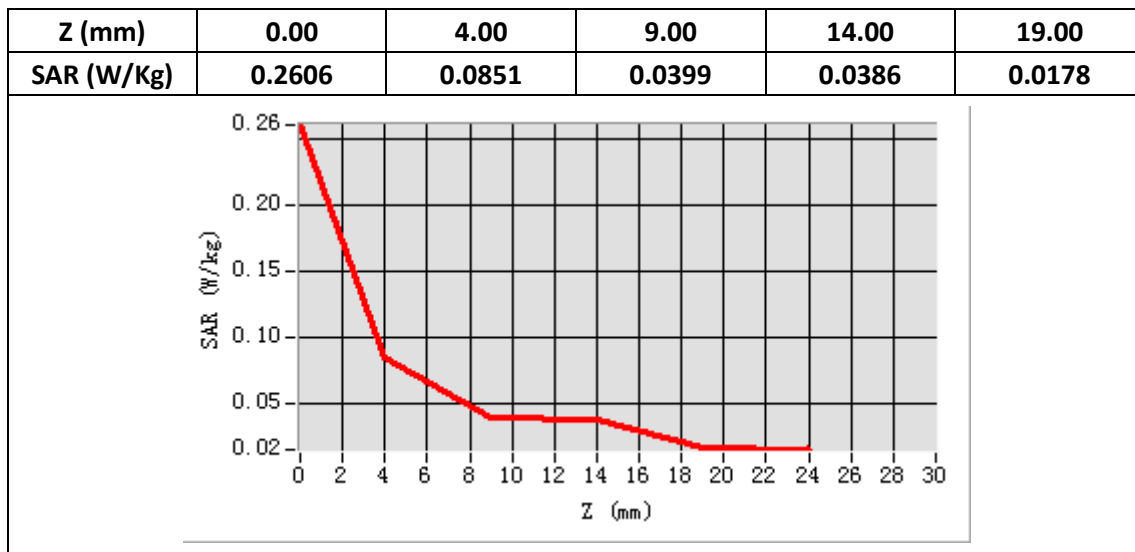
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	750
Relative permittivity (real part)	55.72
Relative permittivity	23.76
Conductivity (S/m)	0.99
Power drift (%)	0.85
Ambient Temperature:	22.2°C
Liquid Temperature:	22.6°C
ConvF:	1.93
Crest factor:	1:1



Maximum location: X=-9.00, Y=8.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.053043
SAR 1g (W/Kg)	0.081987



System Performance Check (Head, 835MHz)

Type: Phone measurement

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

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

Date of measurement: 10/22/2019

Measurement duration: 22 minutes 06 seconds

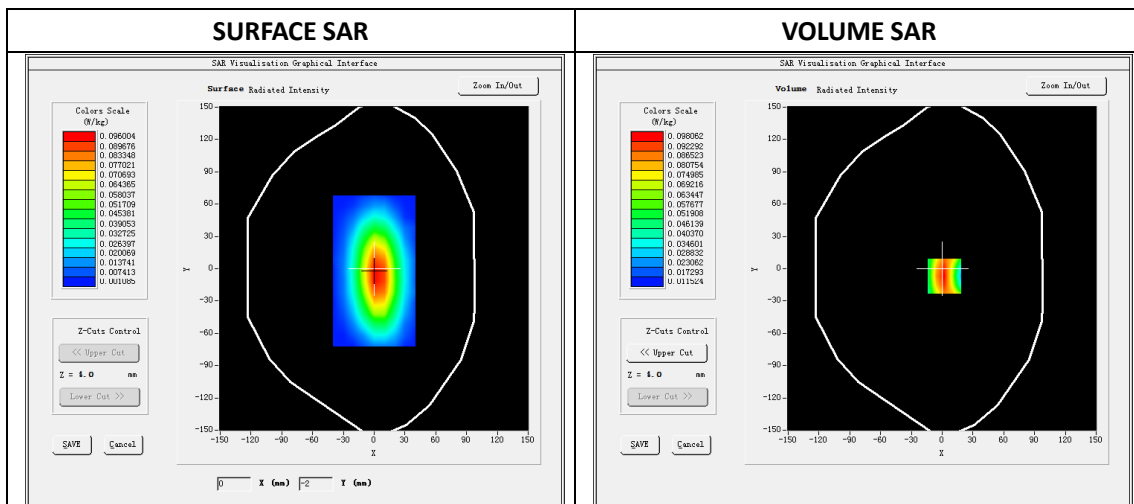
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	835MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

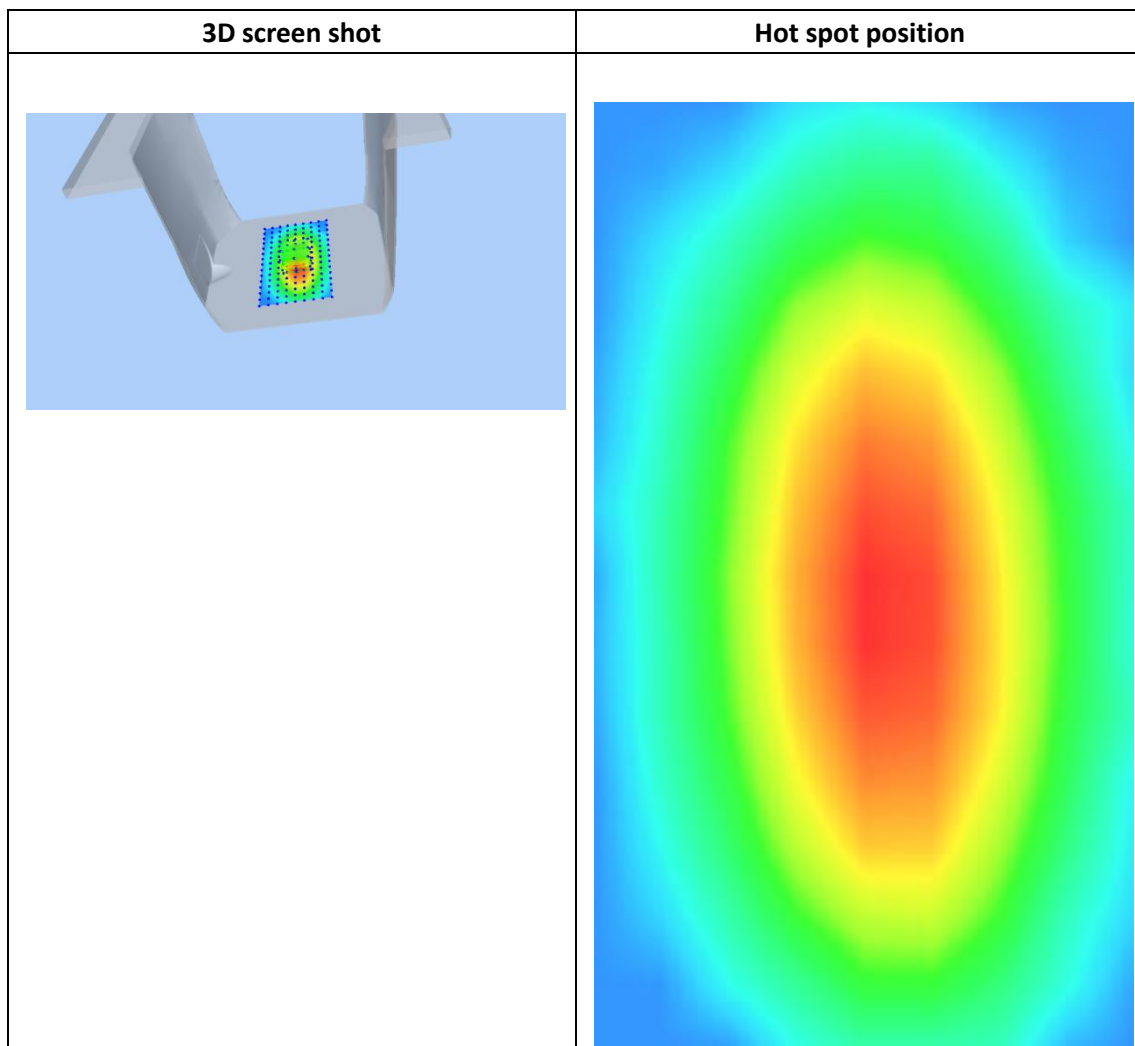
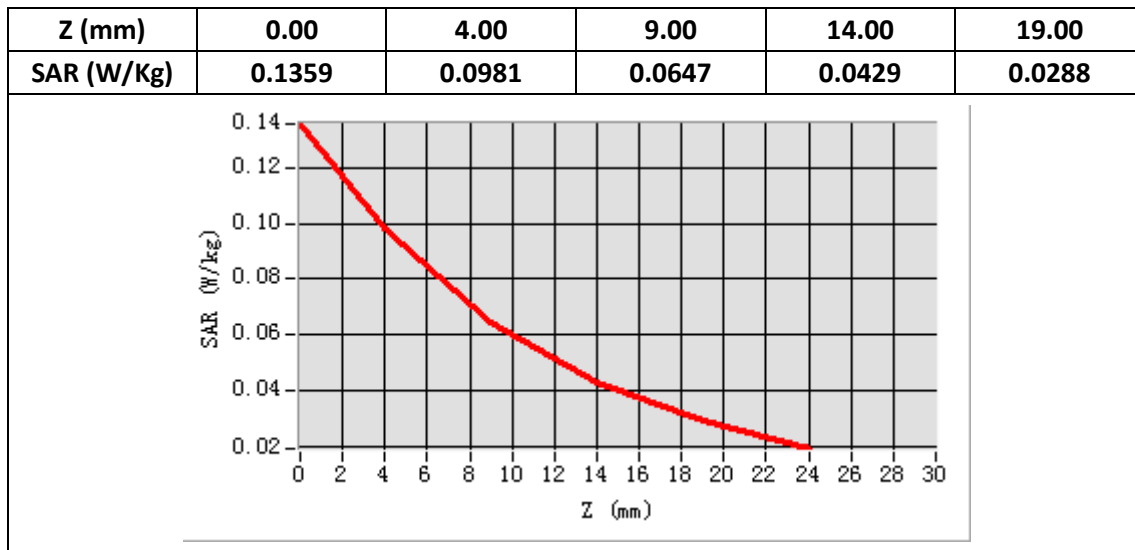
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	835
Relative permittivity (real part)	41.63
Relative permittivity	20.69
Conductivity (S/m)	0.96
Power drift (%)	-1.84
Ambient Temperature:	22.2°C
Liquid Temperature:	22.6°C
ConvF:	1.92
Crest factor:	1:1



Maximum location: X=2.00, Y=-7.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.059266
SAR 1g (W/Kg)	0.094206



System Performance Check (Body, 835MHz)

Type: Phone measurement

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

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

Date of measurement: 10/22/2019

Measurement duration: 22 minutes 08 seconds

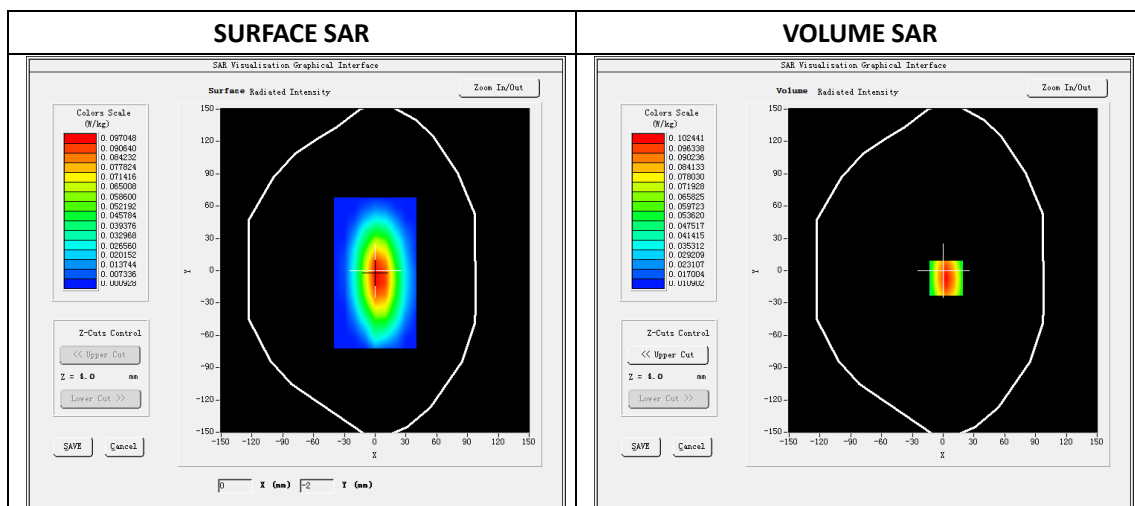
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	835MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

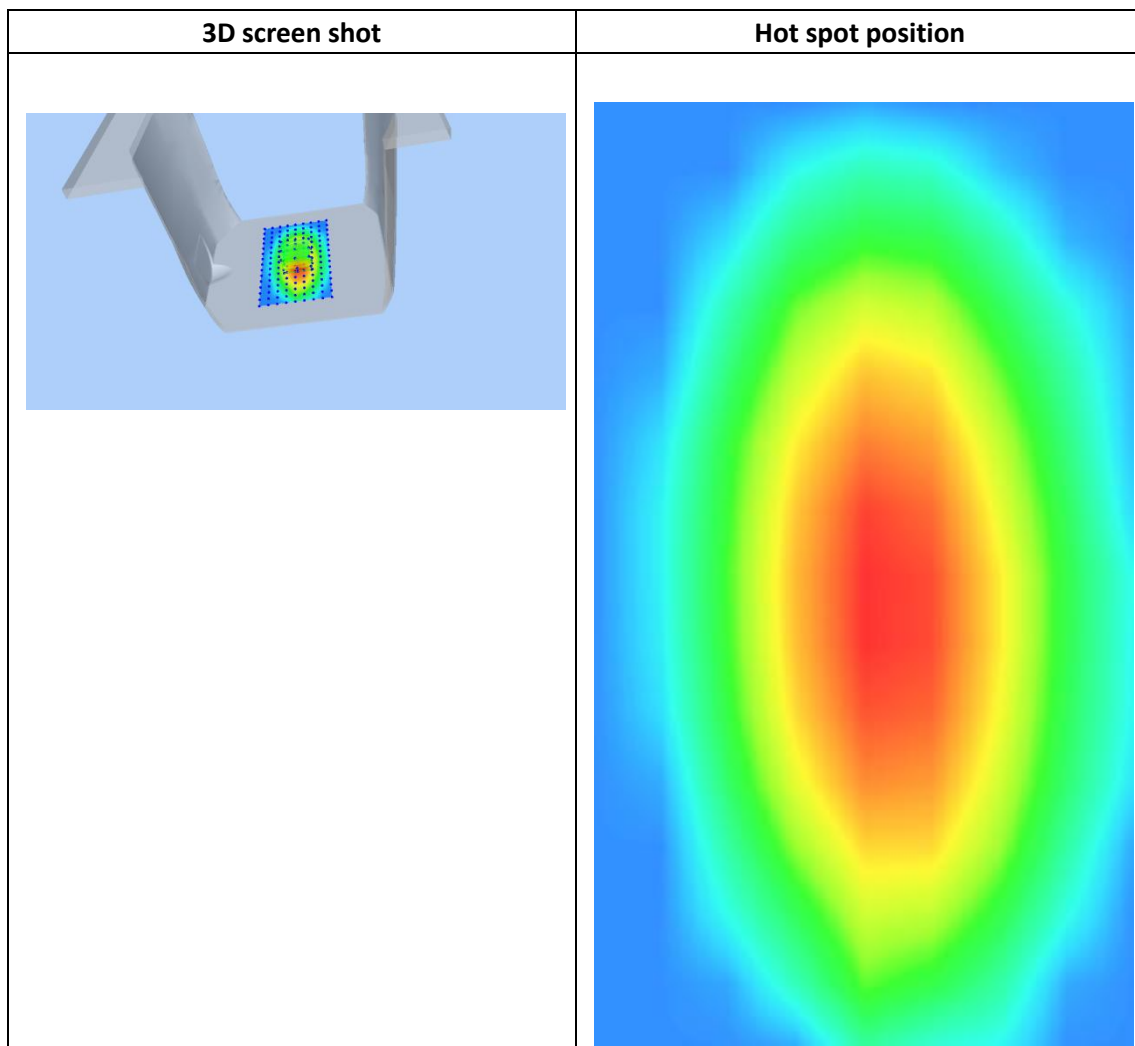
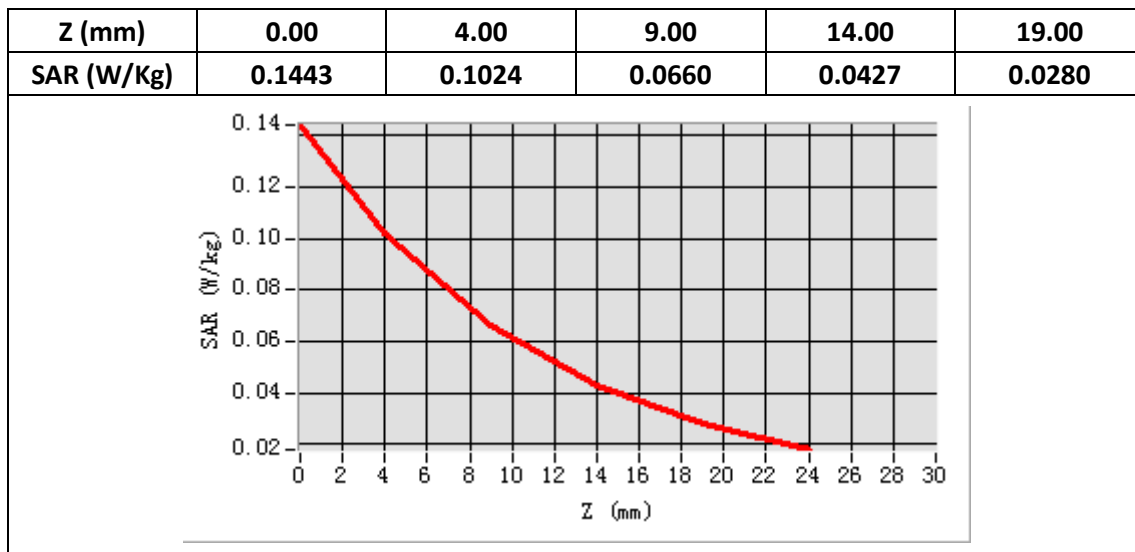
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	835
Relative permittivity (real part)	55.50
Relative permittivity	20.91
Conductivity (S/m)	0.97
Power drift (%)	2.39
Ambient Temperature:	22.2°C
Liquid Temperature:	22.6°C
ConvF:	1.99
Crest factor:	1:1



Maximum location: X=3.00, Y=-7.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.059596
SAR 1g (W/Kg)	0.096517



System Performance Check (Head, 1800MHz)

Type: Validation measurement

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

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

Date of measurement: 10/24/2019

Measurement duration: 22 minutes 10 seconds

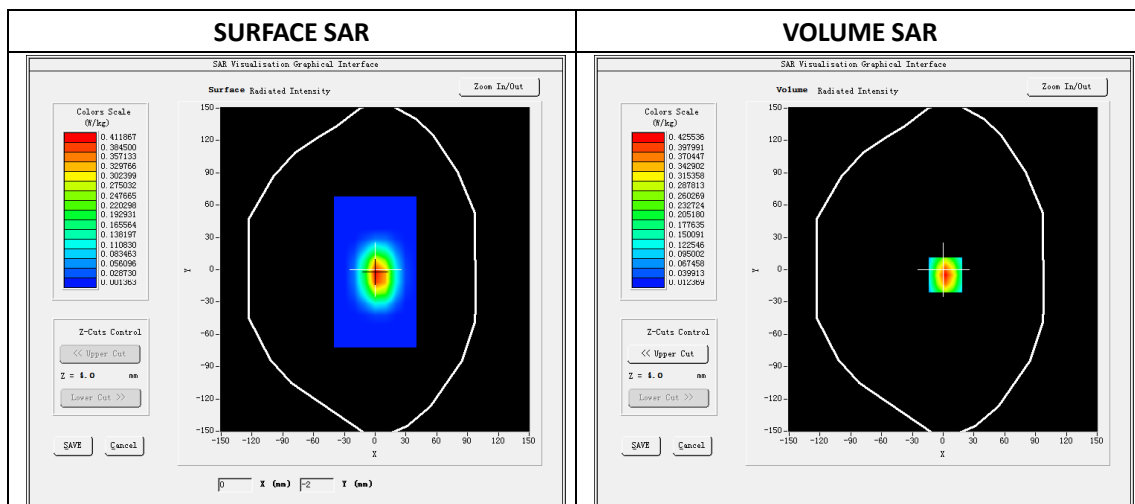
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	1800MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

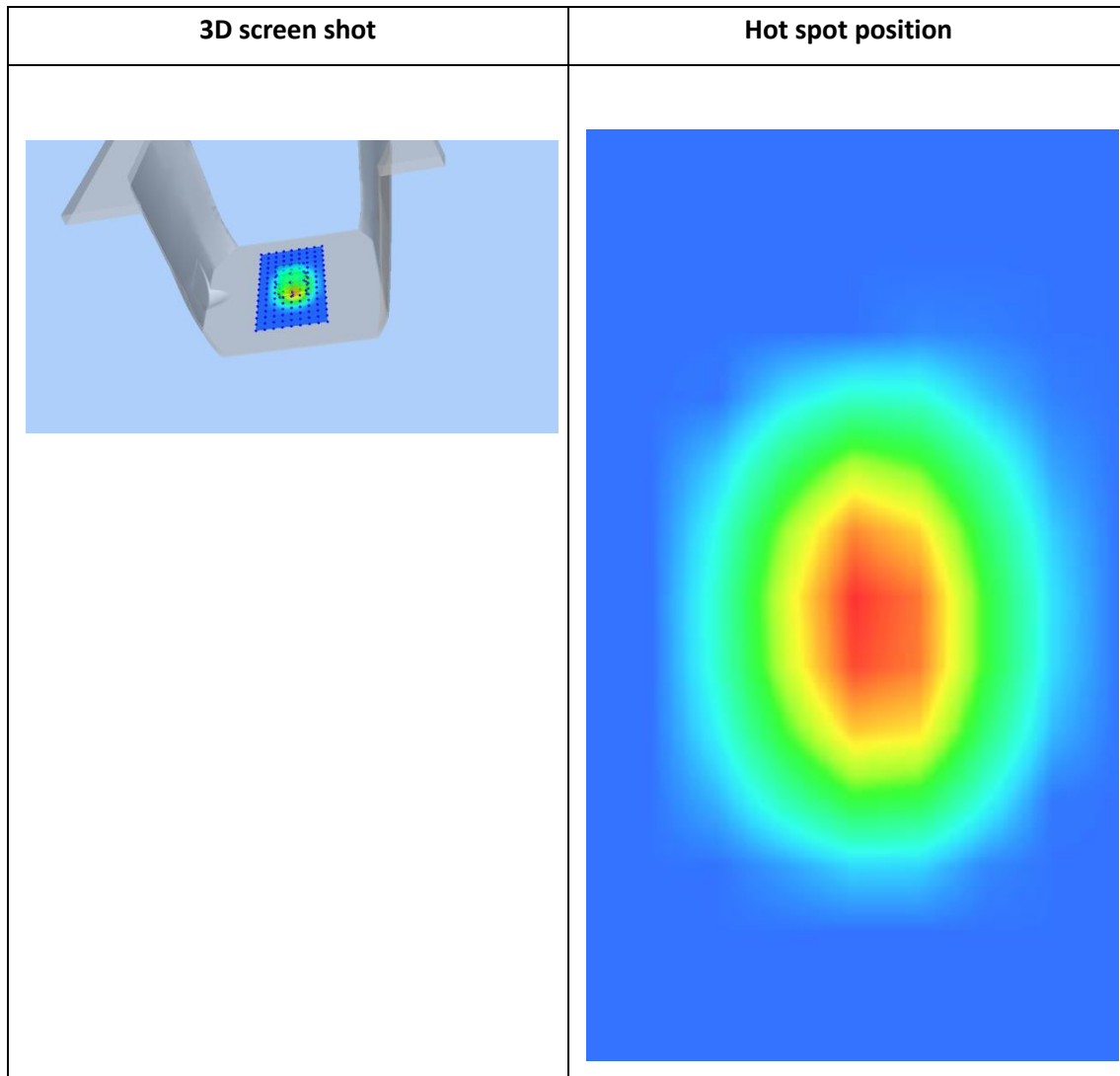
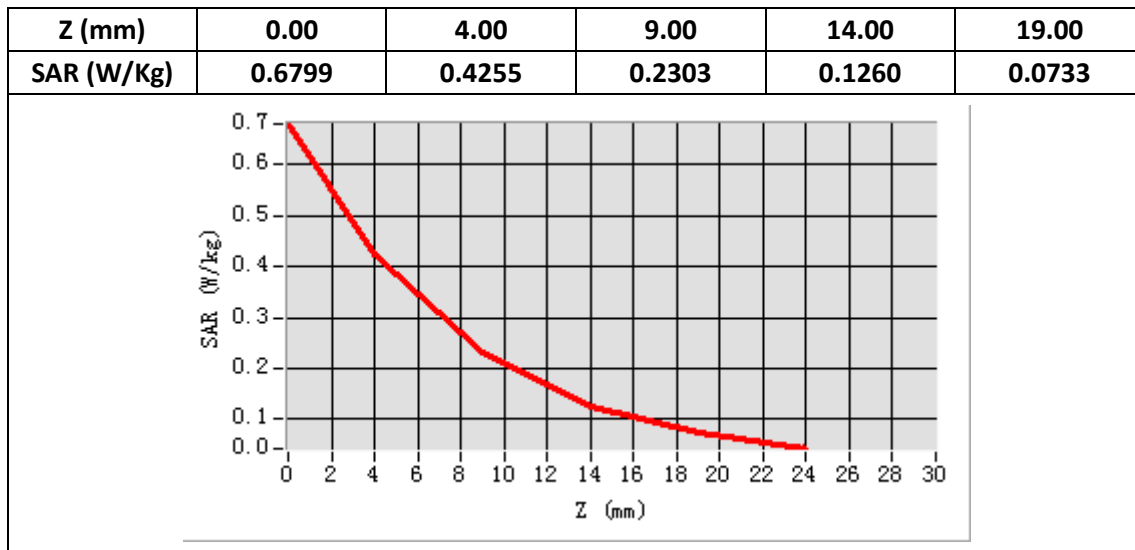
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1800
Relative permittivity (real part)	40.78
Relative permittivity	14.20
Conductivity (S/m)	1.42
Power Drift (%)	-4.41
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	2.14
Duty factor:	1:1



Maximum location: X=2.00, Y=-5.00

SAR Peak: 0.68 W/kg

SAR 10g (W/Kg)	0.200154
SAR 1g (W/Kg)	0.390851



System Performance Check (Body, 1800MHz)

Type: Validation measurement

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

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

Date of measurement: 10/24/2019

Measurement duration: 22 minutes 04 seconds

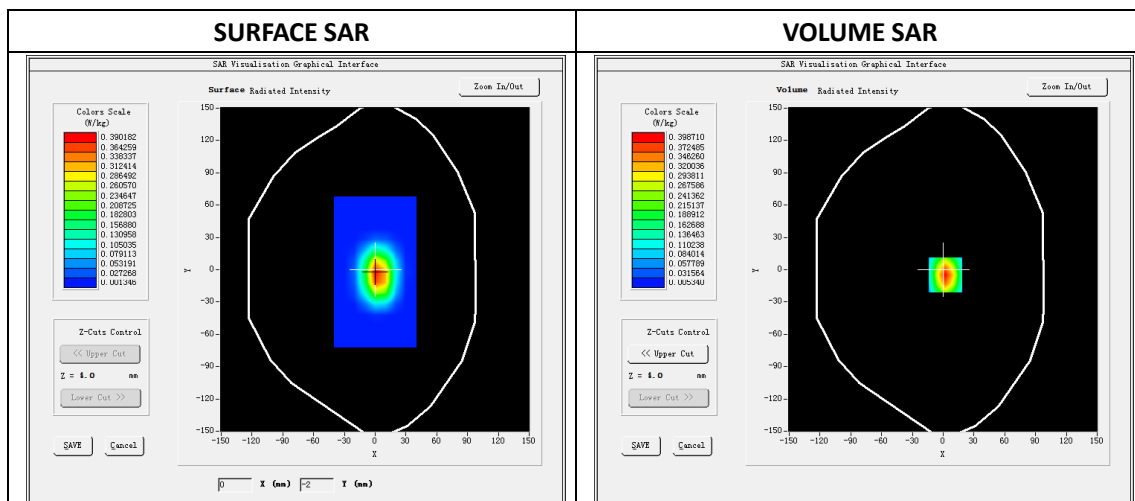
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	1800MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

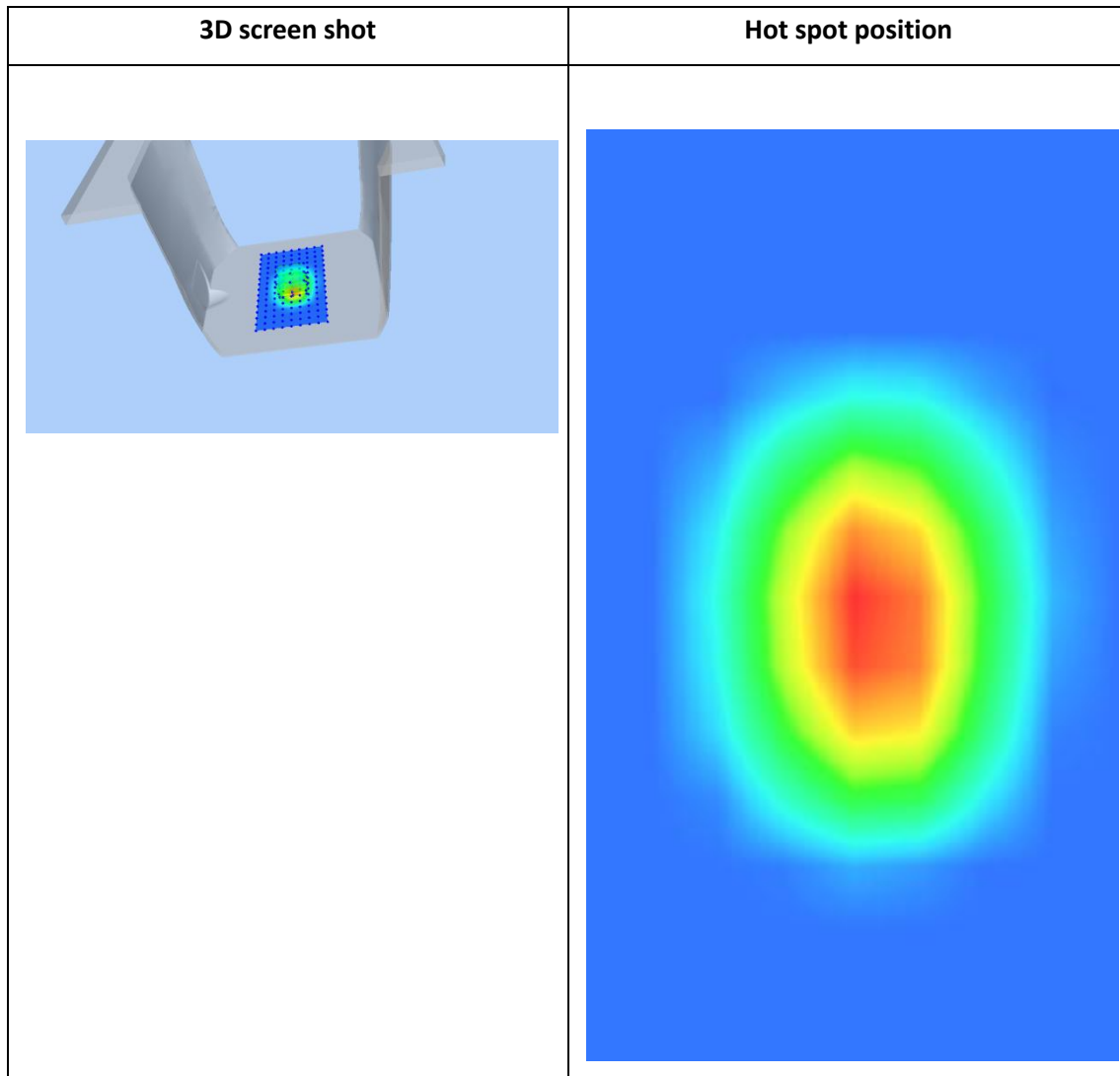
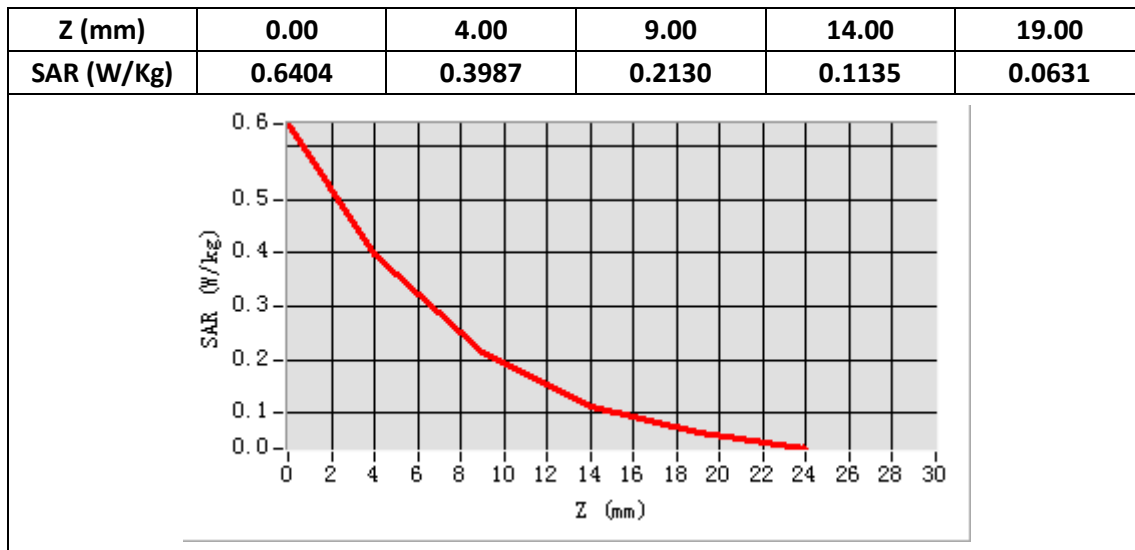
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1800
Relative permittivity (real part)	53.77
Relative permittivity	15.40
Conductivity (S/m)	1.54
Power Drift (%)	-3.33
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	2.22
Duty factor:	1:1



Maximum location: X=2.00, Y=-5.00

SAR Peak: 0.64 W/kg

SAR 10g (W/Kg)	0.187197
SAR 1g (W/Kg)	0.371167



System Performance Check (Head, 1900MHz)

Type: Validation measurement

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

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

Date of measurement: 10/25/2019

Measurement duration: 22 minutes 12 seconds

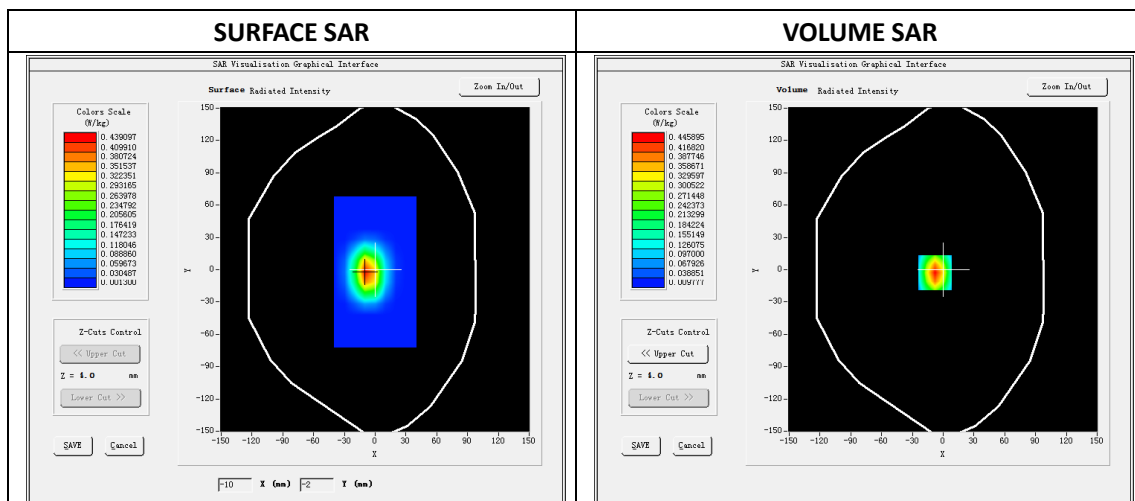
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	1900MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

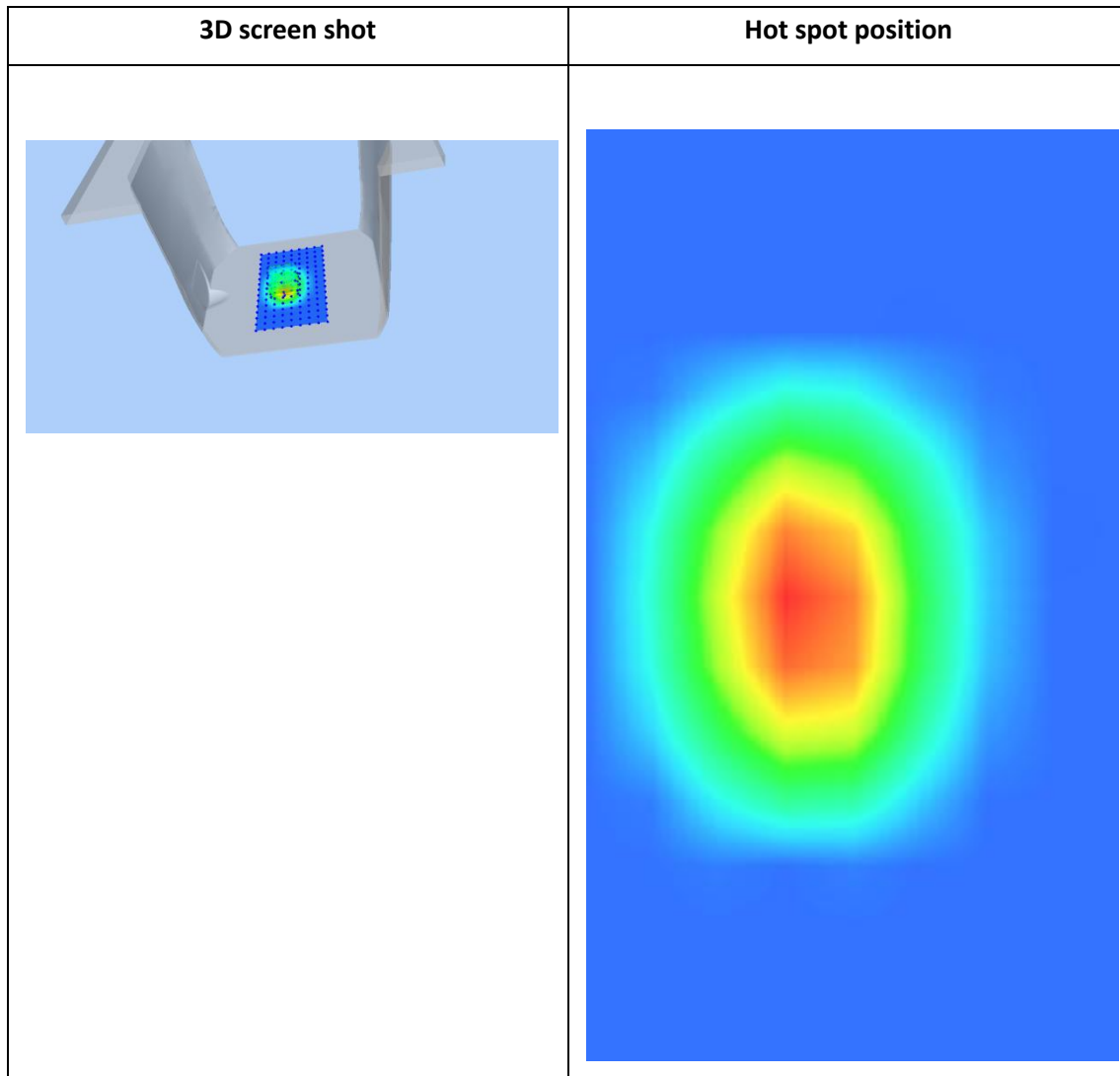
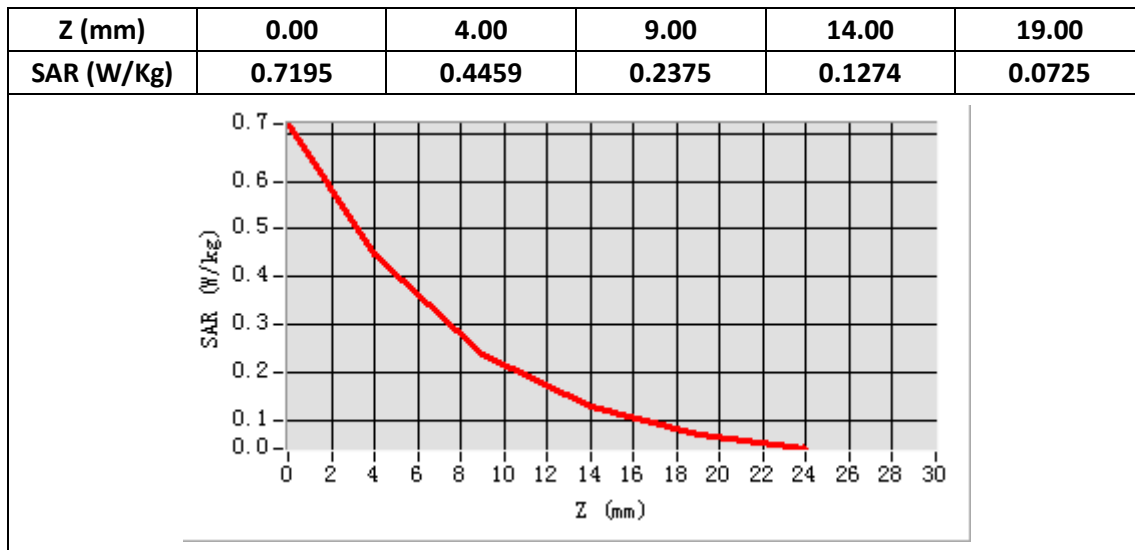
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1900
Relative permittivity (real part)	40.62
Relative permittivity	13.74
Conductivity (S/m)	1.45
Power Drift (%)	-3.15
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	2.34
Duty factor:	1:1



Maximum location: X=-8.00, Y=-3.00

SAR Peak: 0.72 W/kg

SAR 10g (W/Kg)	0.204016
SAR 1g (W/Kg)	0.408002



System Performance Check (Body, 1900MHz)

Type: Validation measurement

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

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

Date of measurement: 10/25/2019

Measurement duration: 22 minutes 14 seconds

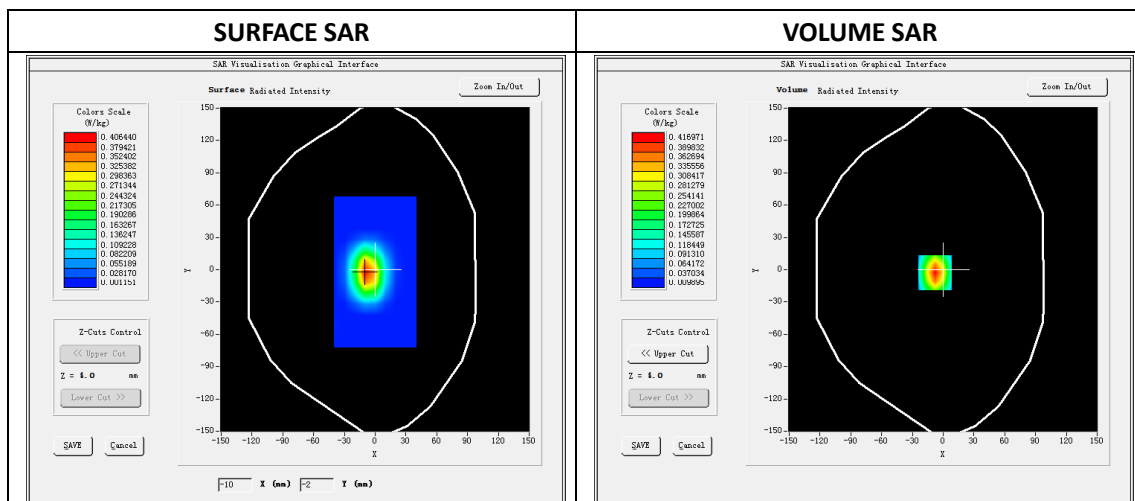
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	5x5x7,dx=8mm dy=8mm dz=5mm
Device Position	Dipole
Band	1900MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

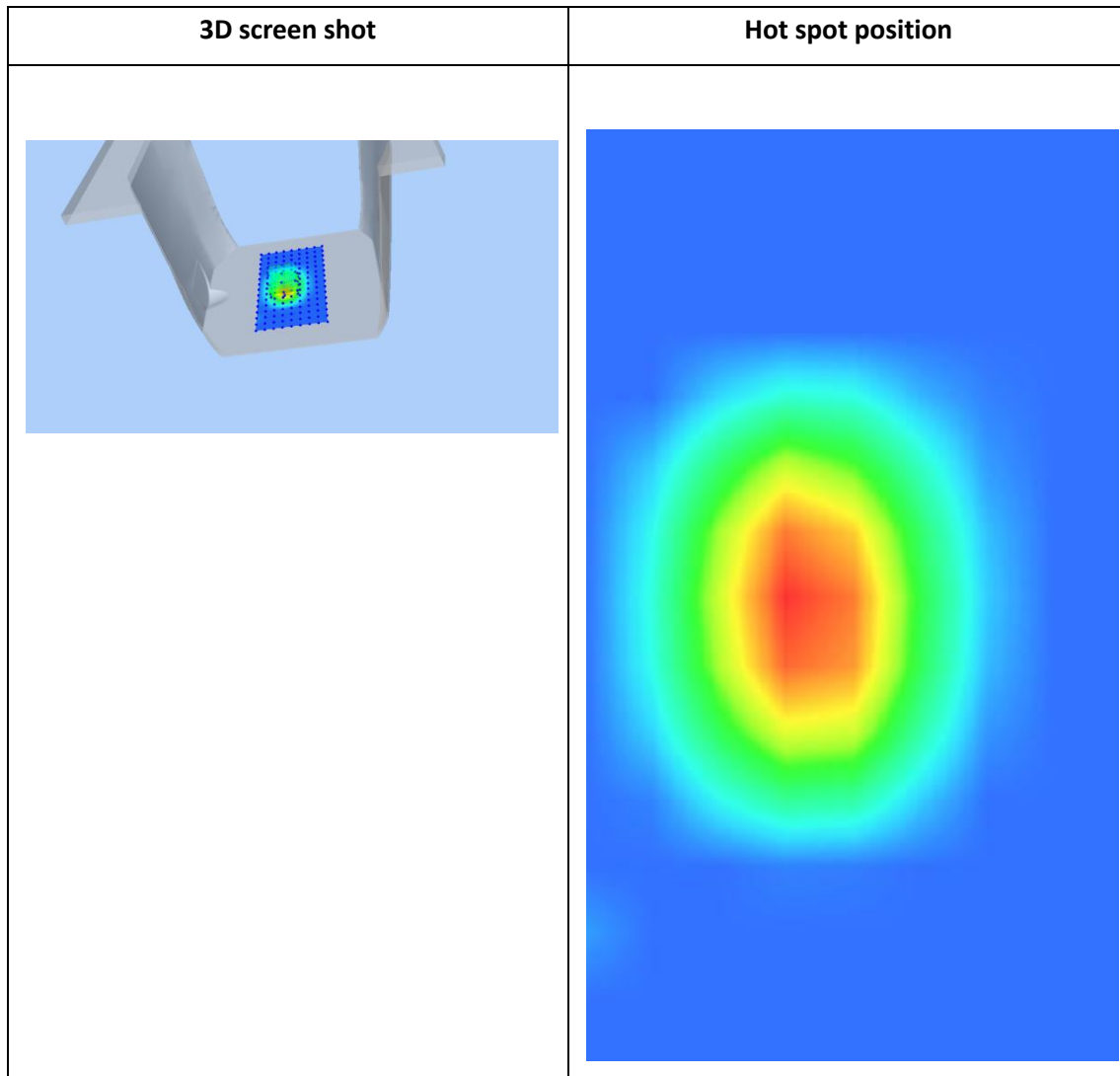
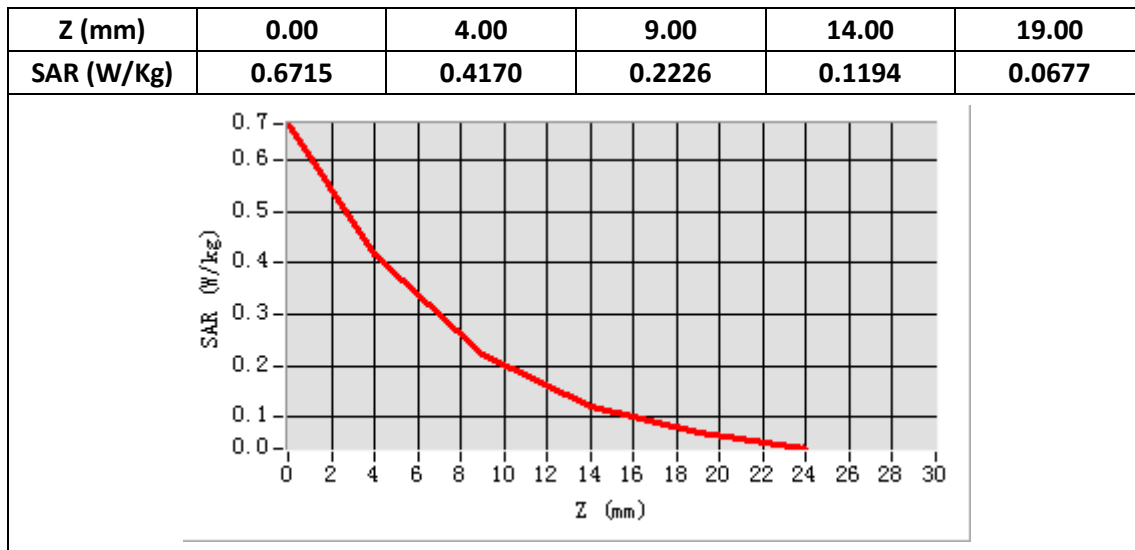
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	1900
Relative permittivity (real part)	53.61
Relative permittivity	14.78
Conductivity (S/m)	1.56
Power Drift (%)	-2.52
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	2.39
Duty factor:	1:1



Maximum location: X=-8.00, Y=-3.00

SAR Peak: 0.67 W/kg

SAR 10g (W/Kg)	0.190942
SAR 1g (W/Kg)	0.382865



System Performance Check (Head, 2450MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 10/26/2019

Measurement duration: 22 minutes 11 seconds

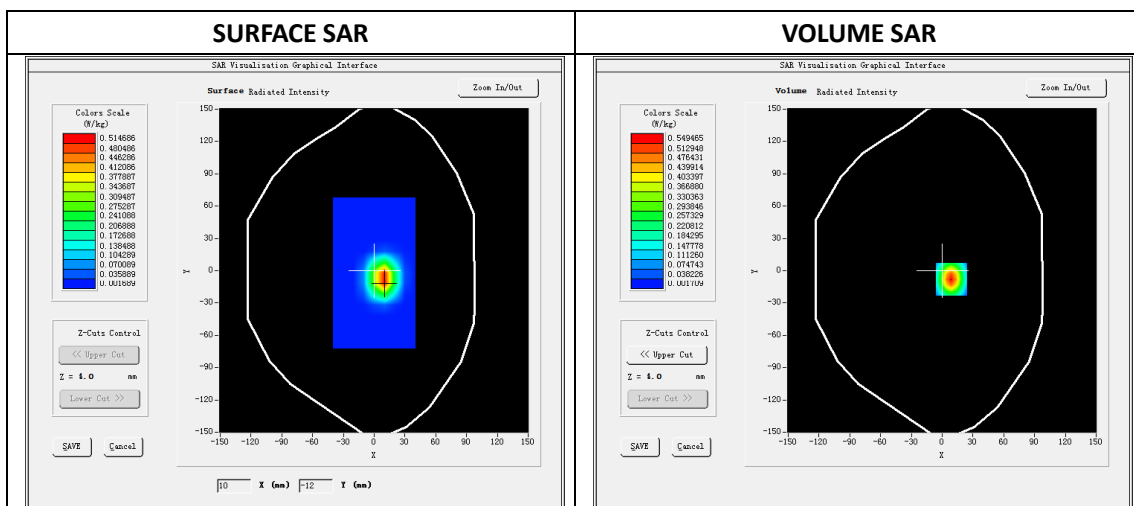
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=5mm dy=5mm dz=4mm
Device Position	Dipole
Band	2450MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

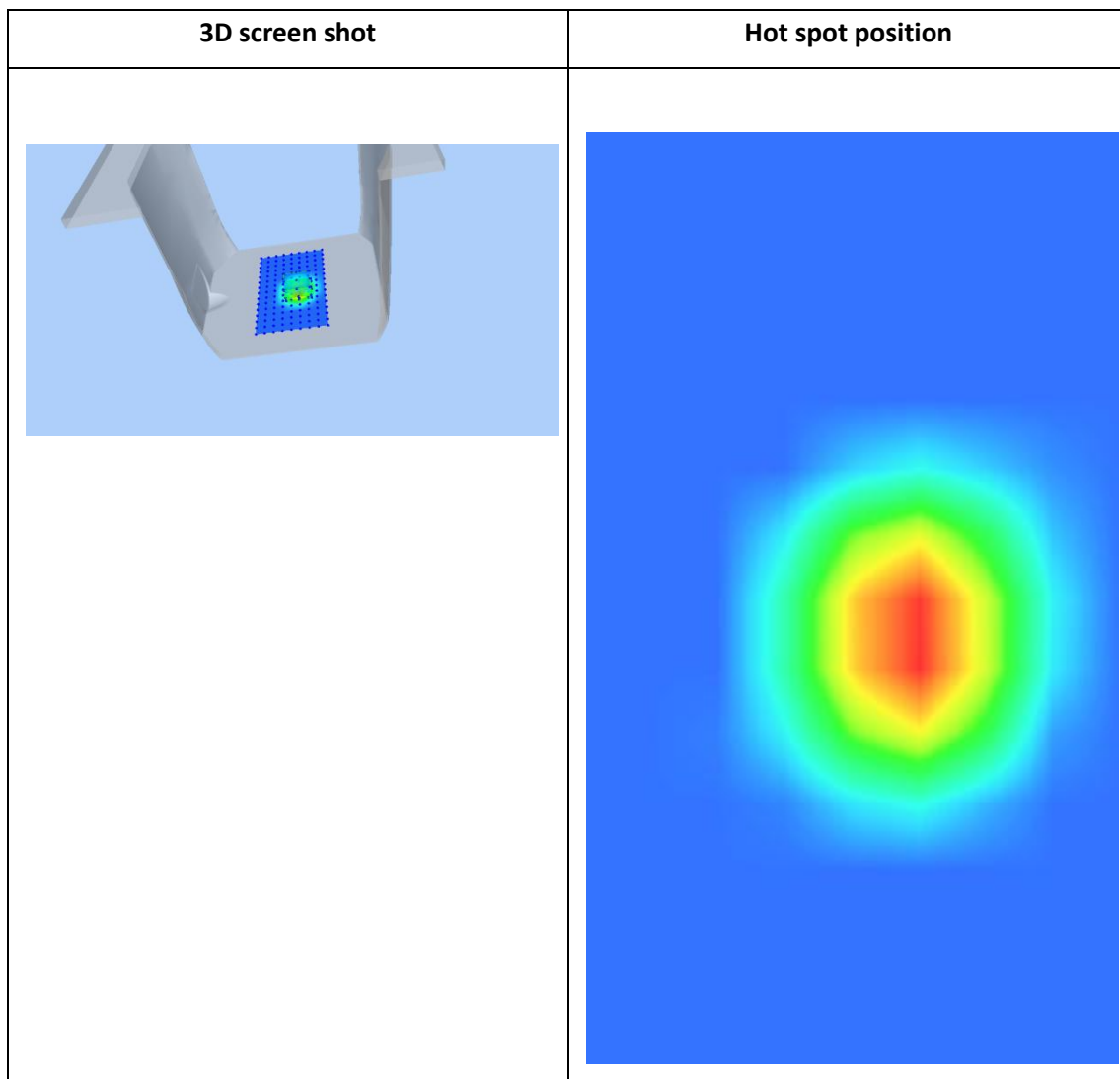
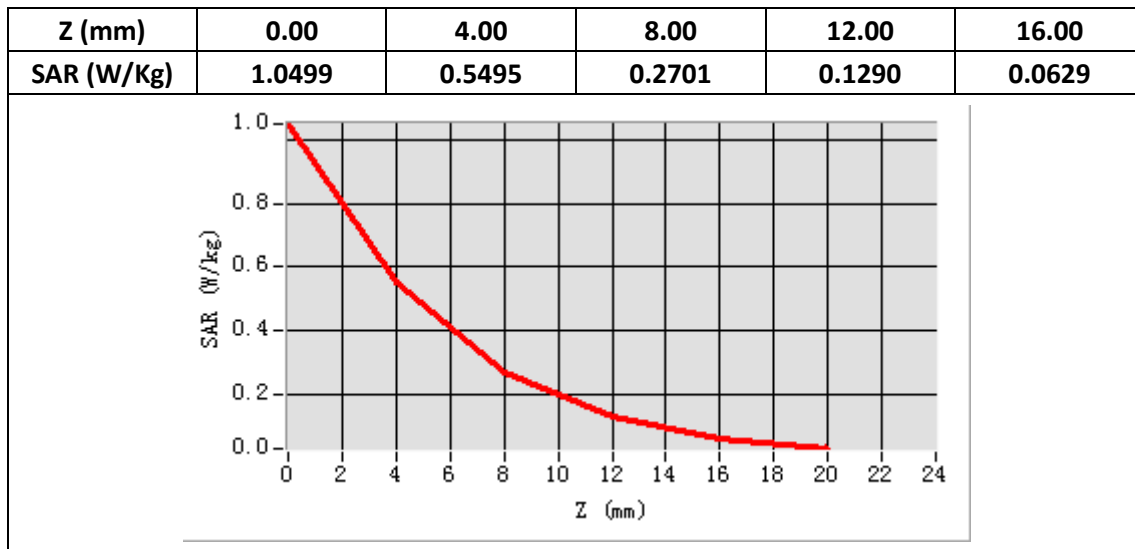
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2450
Relative permittivity (real part)	40.23
Relative permittivity	13.30
Conductivity (S/m)	1.81
Power Drift (%)	-2.48
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	2.37
Duty factor:	1:1



Maximum location: X=9.00, Y=-8.00

SAR Peak: 1.05 W/kg

SAR 10g (W/Kg)	0.205732
SAR 1g (W/Kg)	0.494997



System Performance Check (Body, 2450MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 10/26/2019

Measurement duration: 22 minutes 17 seconds

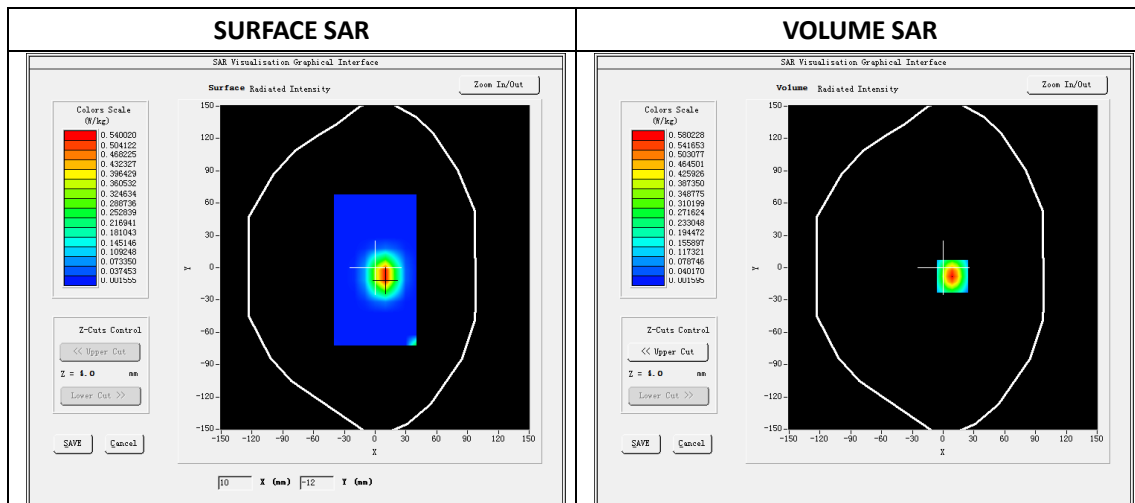
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=5mm dy=5mm dz=4mm
Device Position	Dipole
Band	2450MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

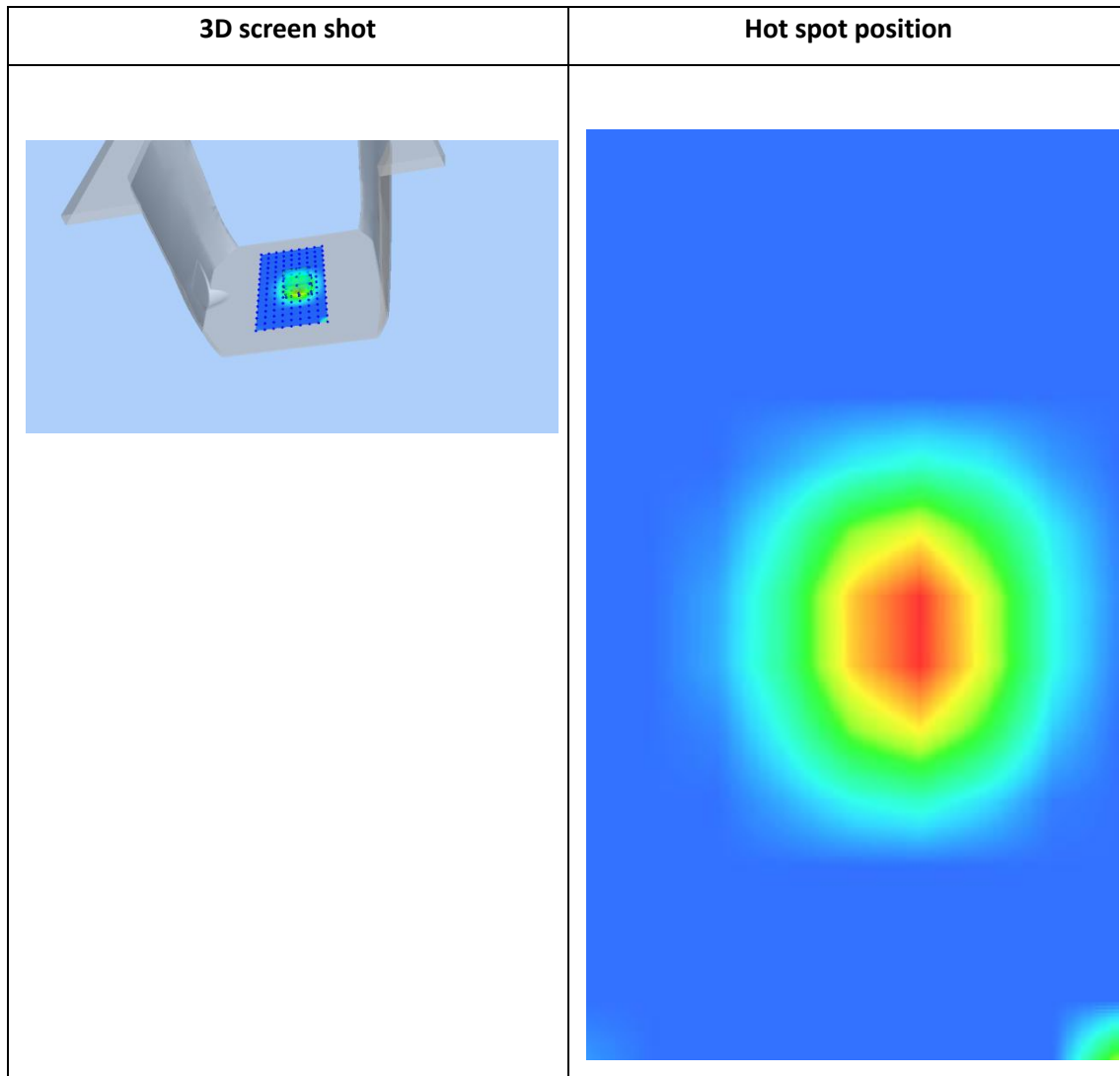
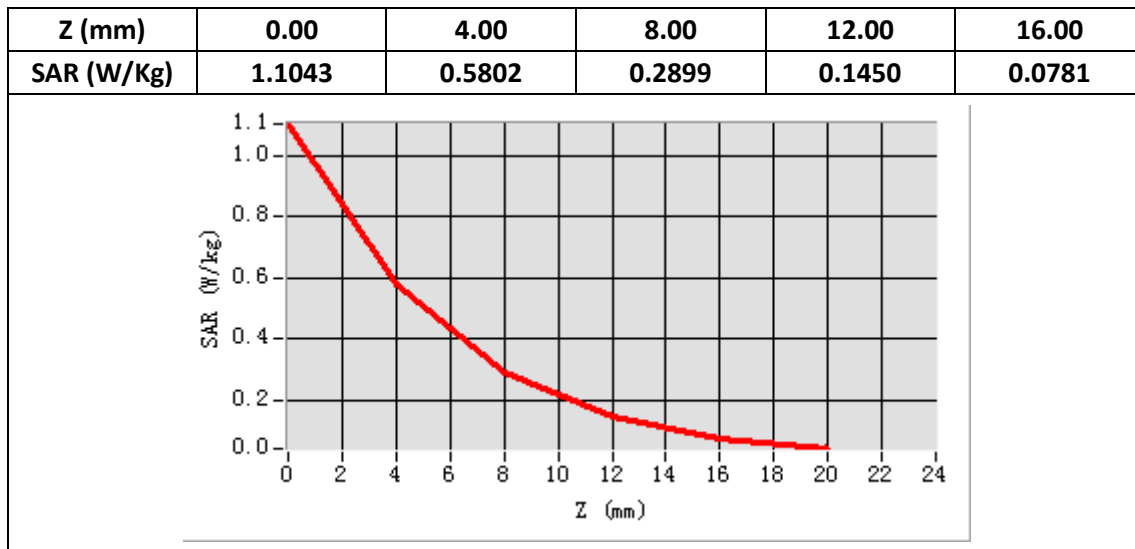
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2450
Relative permittivity (real part)	53.20
Relative permittivity	14.55
Conductivity (S/m)	1.98
Power Drift (%)	-4.08
Ambient Temperature:	22.1°C
Liquid Temperature:	22.6°C
ConvF:	2.46
Duty factor:	1:1



Maximum location: X=9.00, Y=-8.00

SAR Peak: 1.10 W/kg

SAR 10g (W/Kg)	0.226594
SAR 1g (W/Kg)	0.522158



System Performance Check (Head, 2600MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 10/28/2019

Measurement duration: 22 minutes 19 seconds

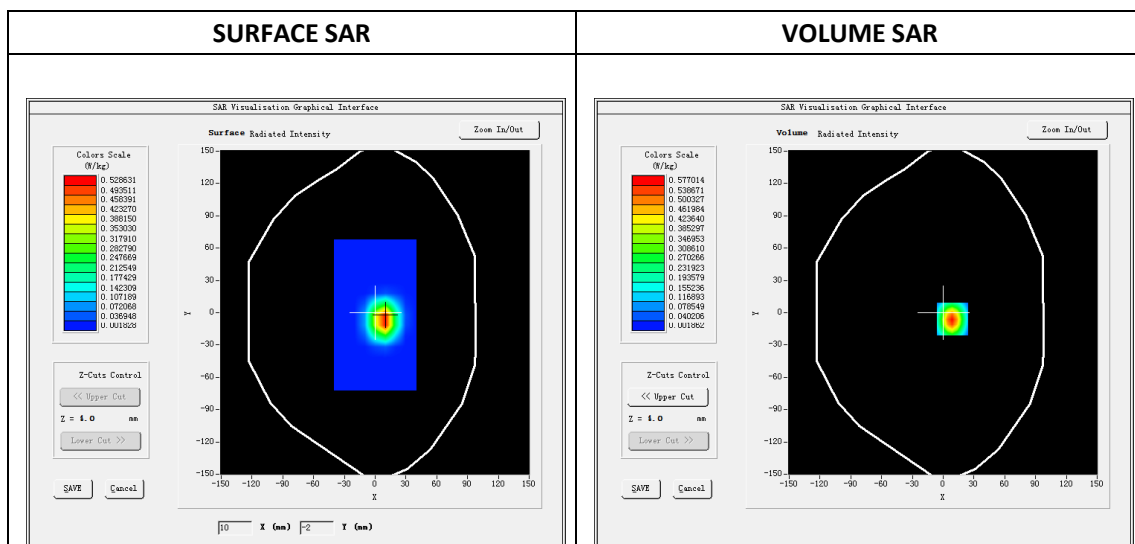
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=5mm dy=5mm dz=4mm
Device Position	Dipole
Band	2600MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

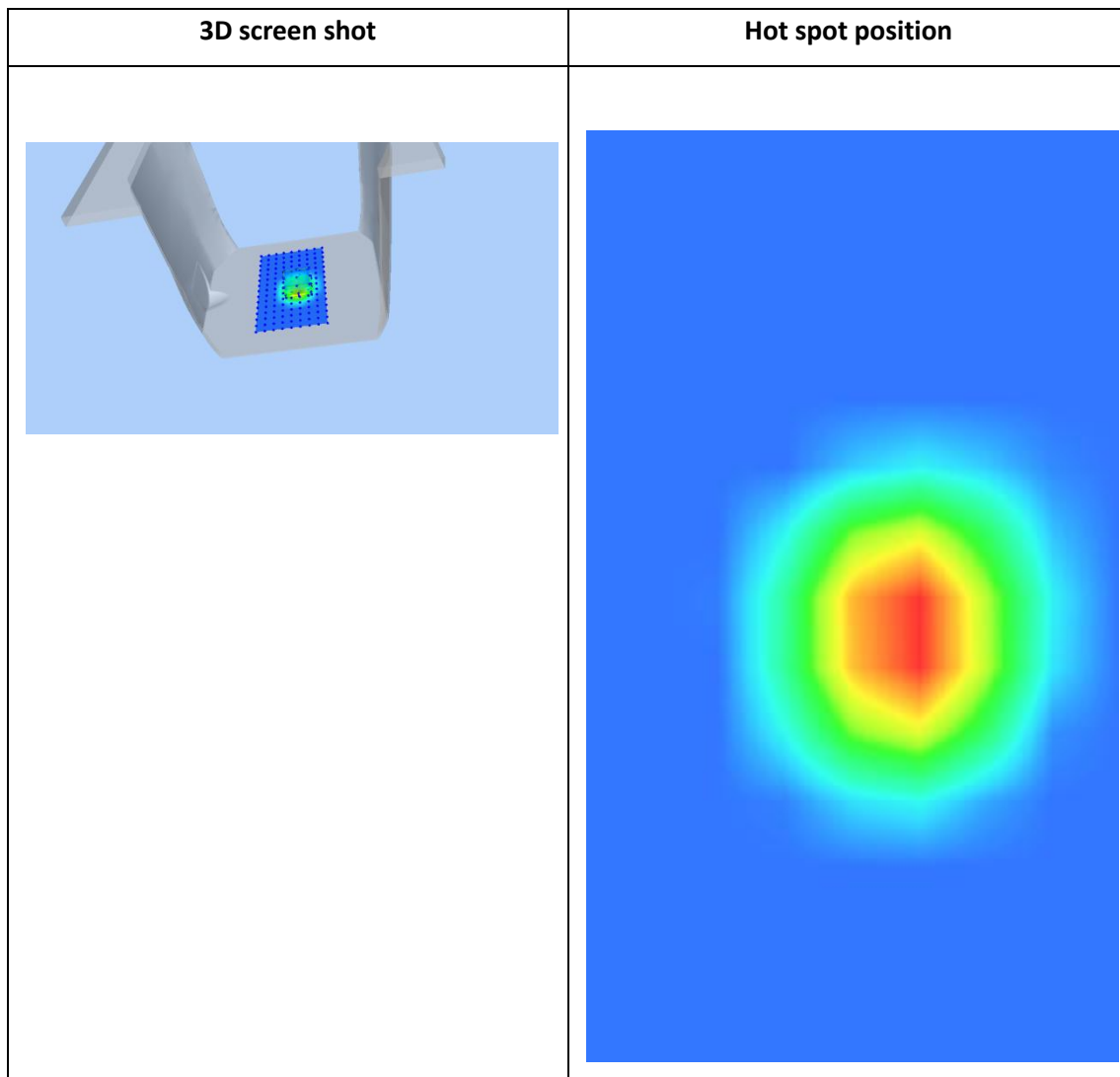
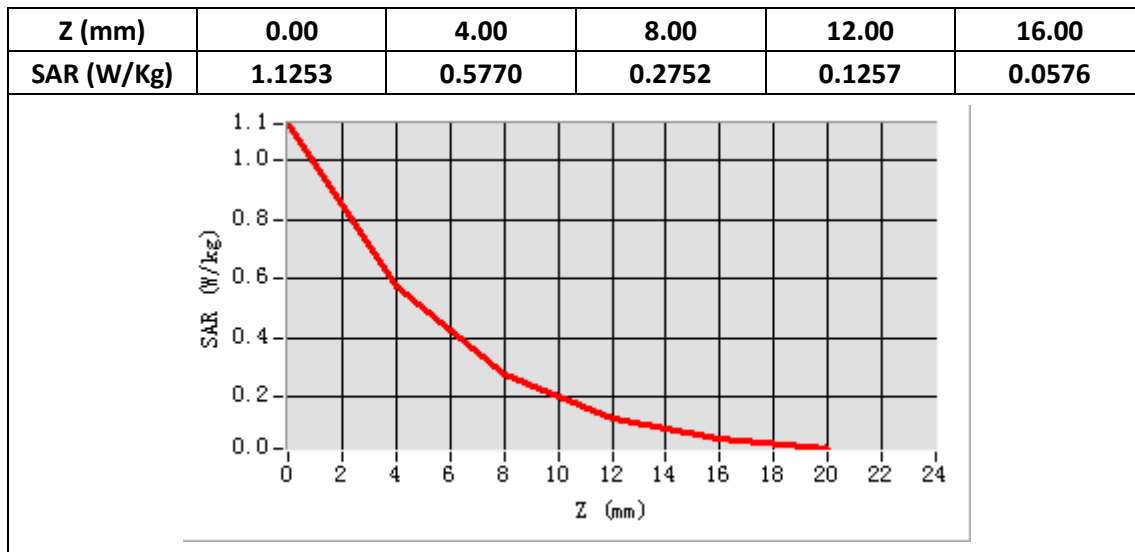
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2600
Relative permittivity (real part)	40.05
Relative permittivity	13.64
Conductivity (S/m)	1.97
Power drift (%)	2.41
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.35



Maximum location: X=9.00, Y=-6.00

SAR Peak: 1.12 W/kg

SAR 10g (W/Kg)	0.211518
SAR 1g (W/Kg)	0.515985



System Performance Check (Body, 2600MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 10/28/2019

Measurement duration: 22 minutes 21 seconds

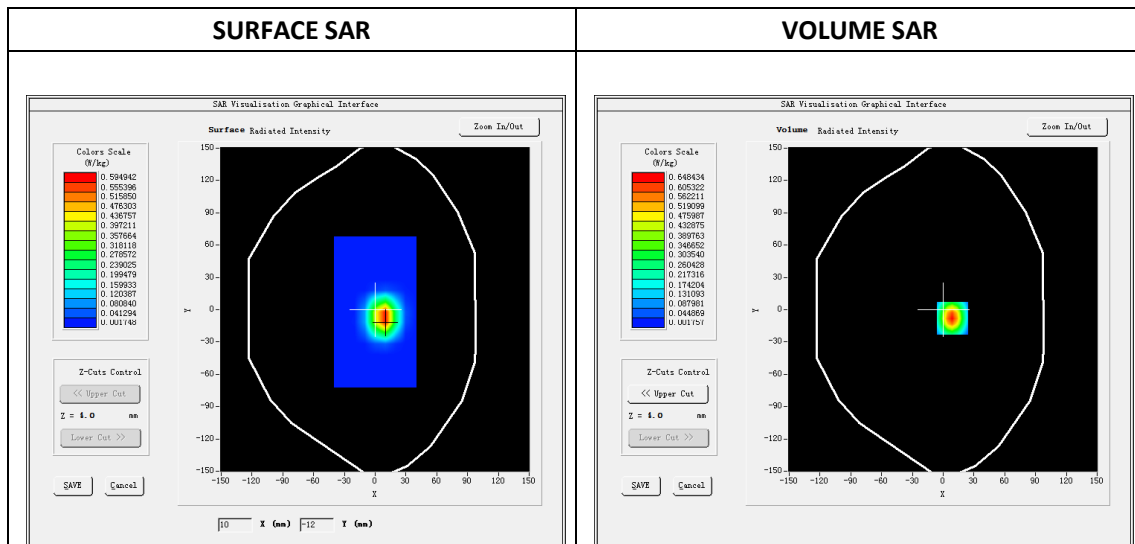
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=5mm dy=5mm dz=4mm
Device Position	Dipole
Band	2600MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

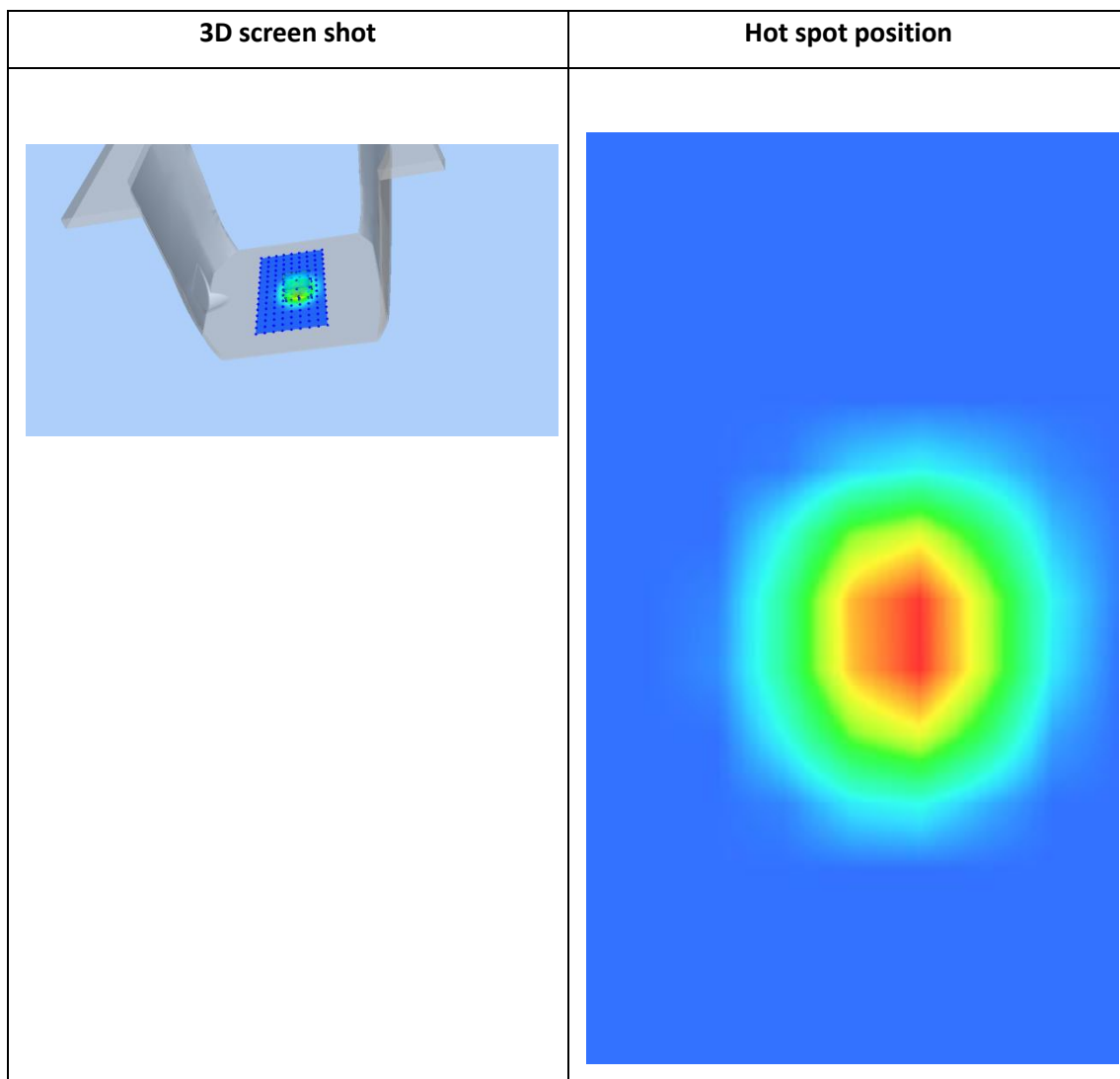
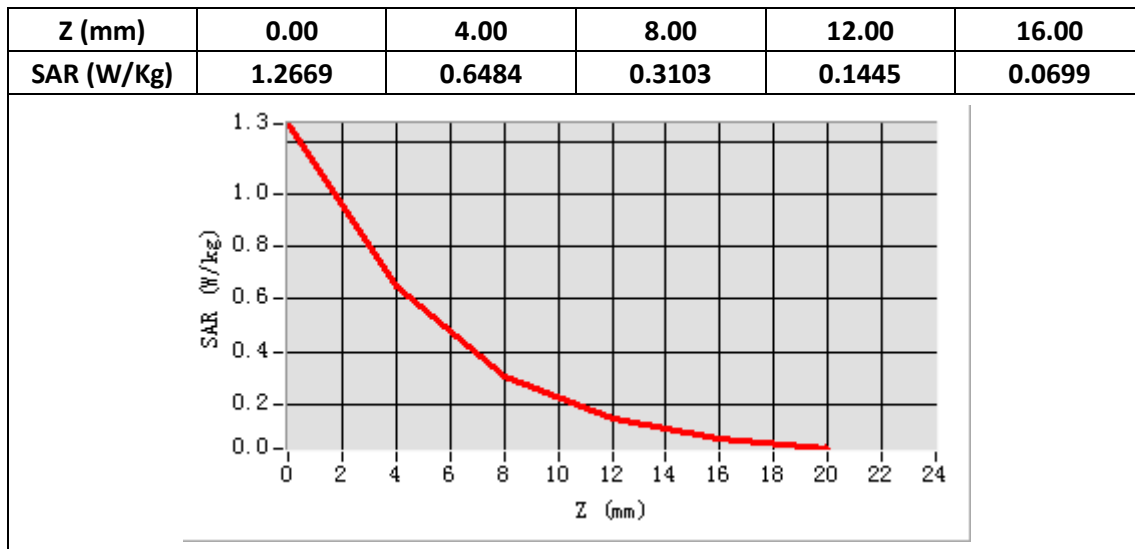
E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	2600
Relative permittivity (real part)	53.00
Relative permittivity	14.95
Conductivity (S/m)	2.16
Power drift (%)	0.16
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.43



Maximum location: X=9.00, Y=-8.00

SAR Peak: 1.26 W/kg

SAR 10g (W/Kg)	0.242349
SAR 1g (W/Kg)	0.587356



System Performance Check (Head, 5200MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 10/29/2019

Measurement duration: 22 minutes 25 seconds

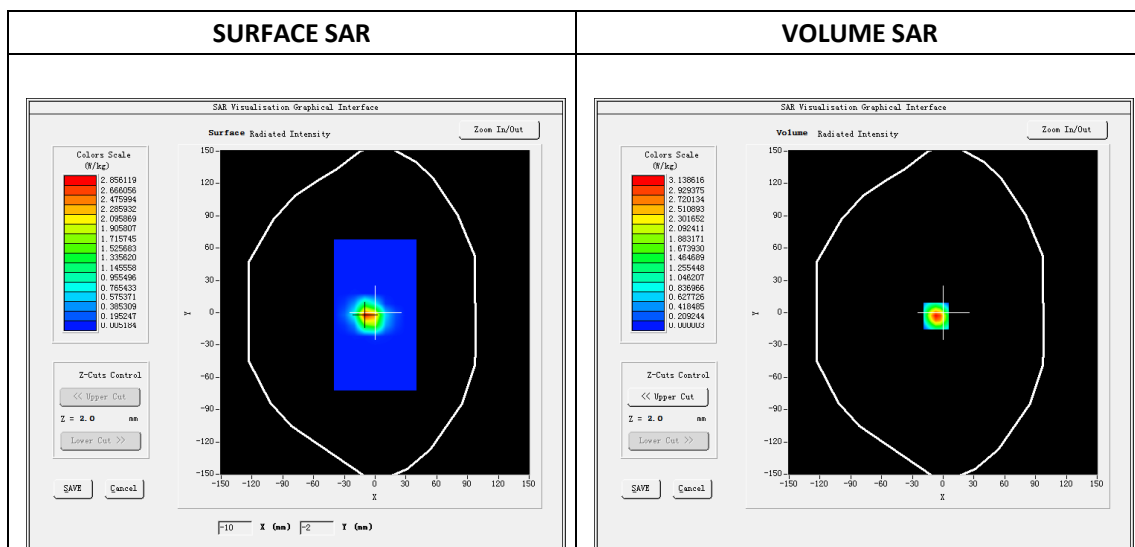
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5200MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5200
Relative permittivity (real part)	36.44
Relative permittivity	16.23
Conductivity (S/m)	4.69
Power drift (%)	-1.99
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.15

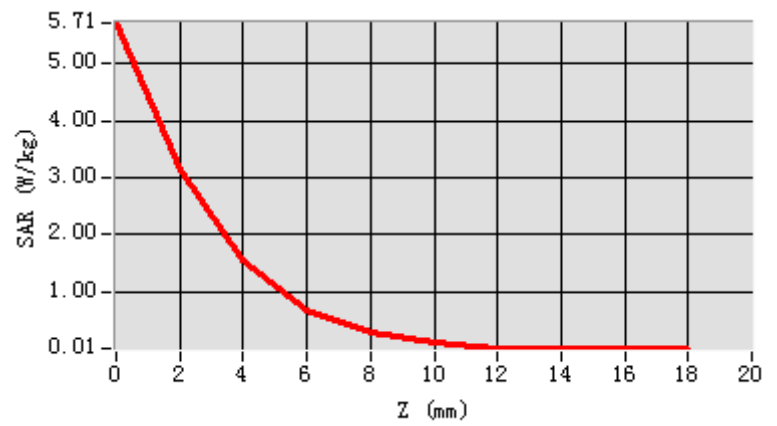


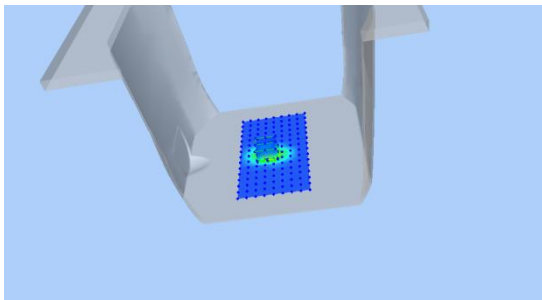
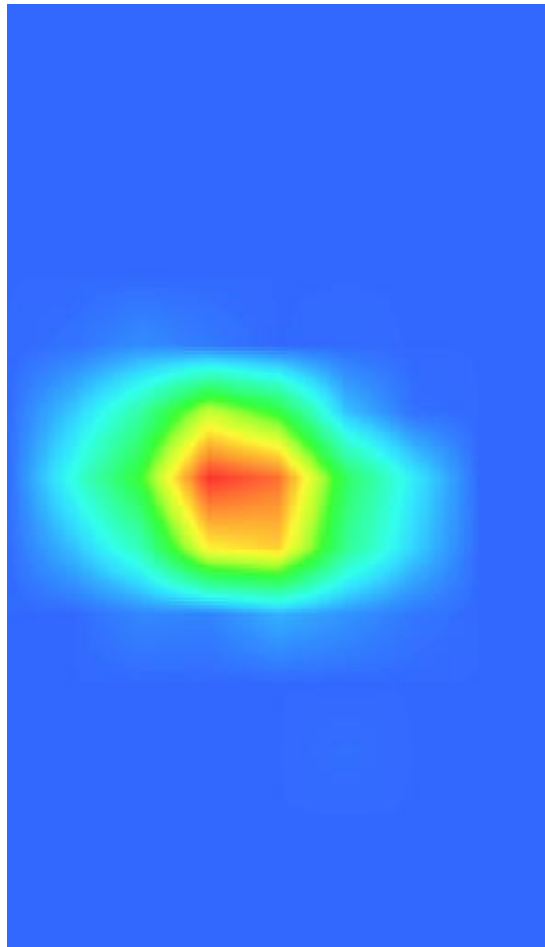
Maximum location: X=-7.00, Y=-3.00

SAR Peak: 6.01W/kg

SAR 10g (W/Kg)	0.414526
SAR 1g (W/Kg)	1.607673

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	5.7097	3.1386	1.5512	0.6870	0.2791	0.0951	0.0131	0.0086	0.0065



3D screen shot	Hot spot position
	

System Performance Check (Body, 5200MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 10/29/2019

Measurement duration: 22 minutes 21 seconds

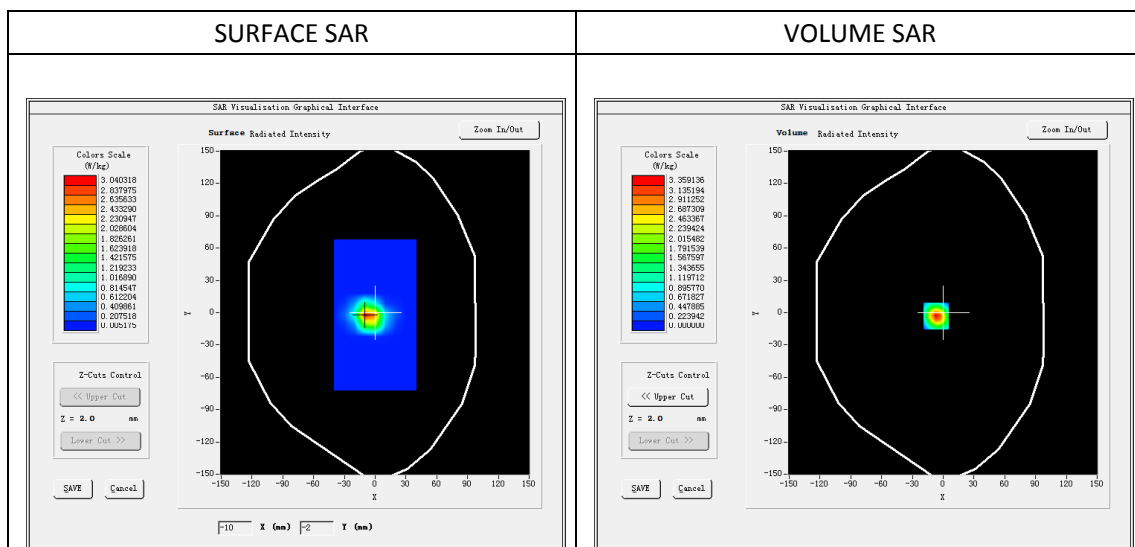
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5200MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5200
Relative permittivity (real part)	49.48
Relative permittivity	18.35
Conductivity (S/m)	5.30
Power drift (%)	-1.97
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.21

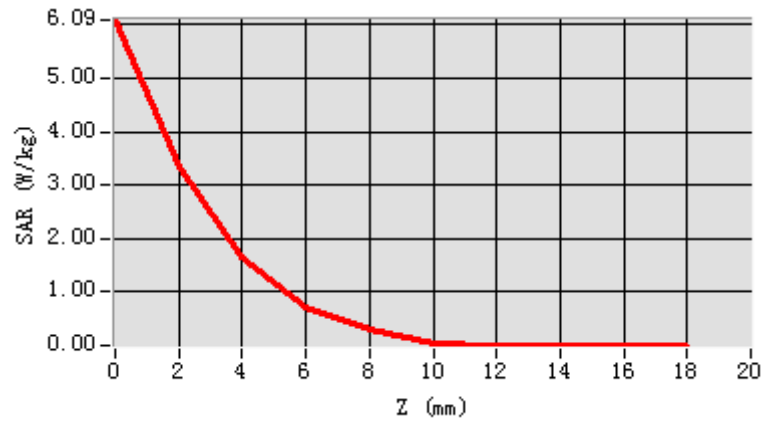


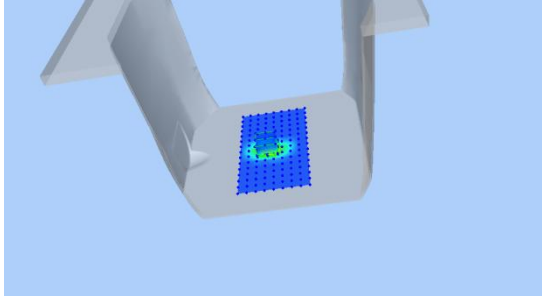
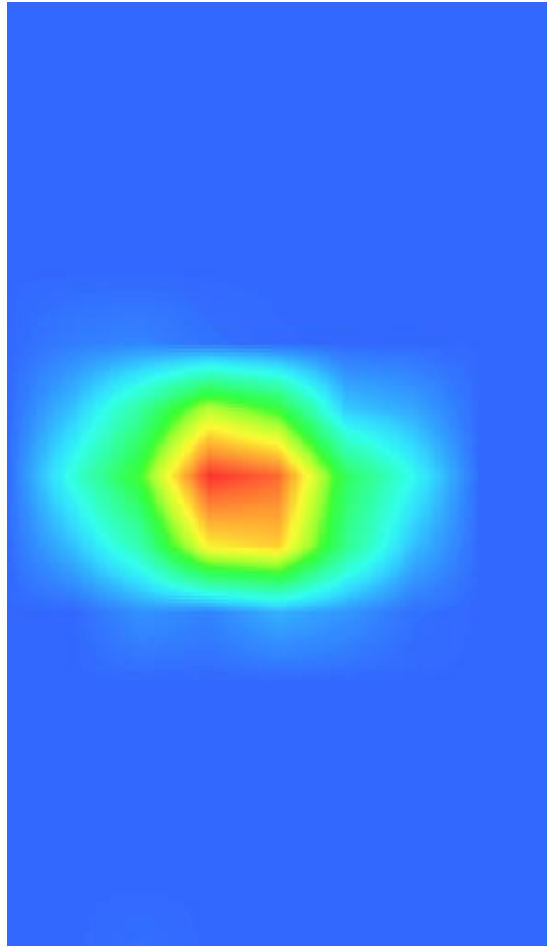
Maximum location: X=-7.00, Y=-3.00

SAR Peak: 6.47 W/kg

SAR 10g (W/Kg)	0.443592
SAR 1g (W/Kg)	1.744814

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	6.0879	3.3591	1.6478	0.7203	0.2859	0.0396	0.0121	0.0031	0.0051



3D screen shot	Hot spot position
	

System Performance Check (Head, 5400MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 10/30/2019

Measurement duration: 22 minutes 27 seconds

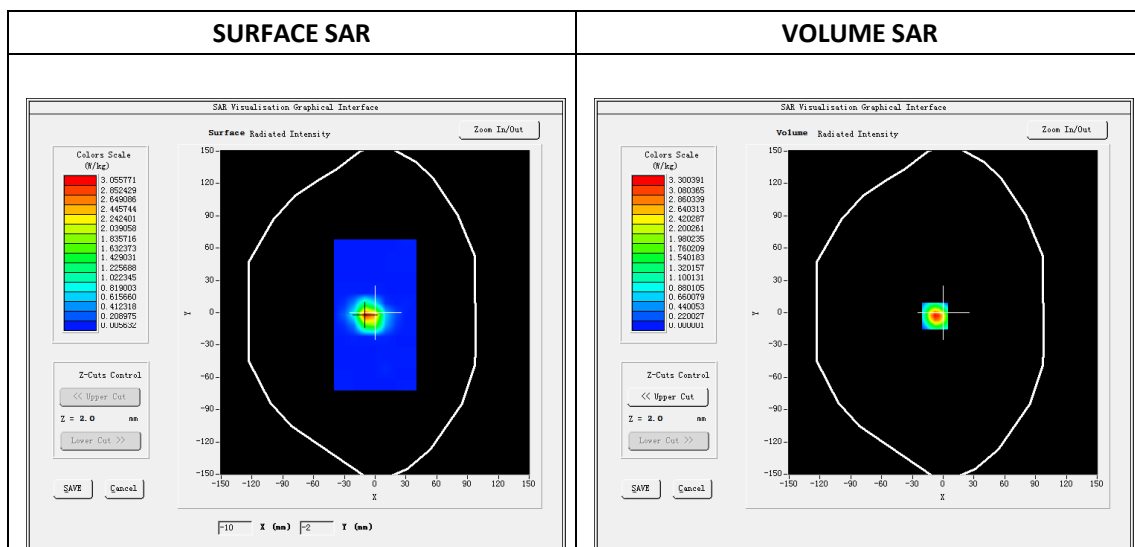
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5400MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5400
Relative permittivity (real part)	36.20
Relative permittivity	16.30
Conductivity (S/m)	4.89
Power drift (%)	-3.08
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.10

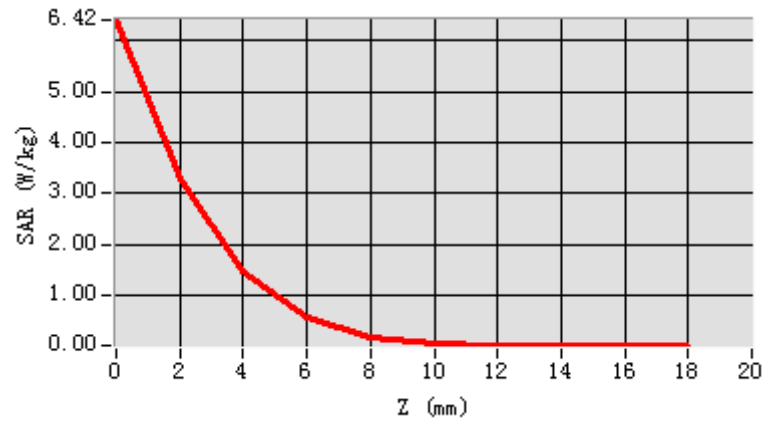


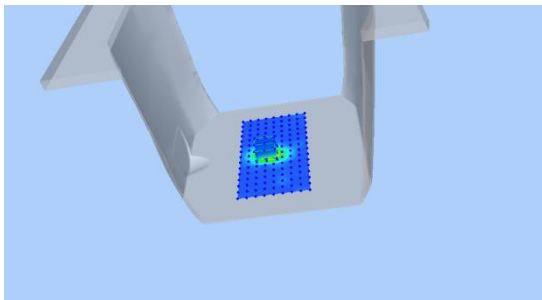
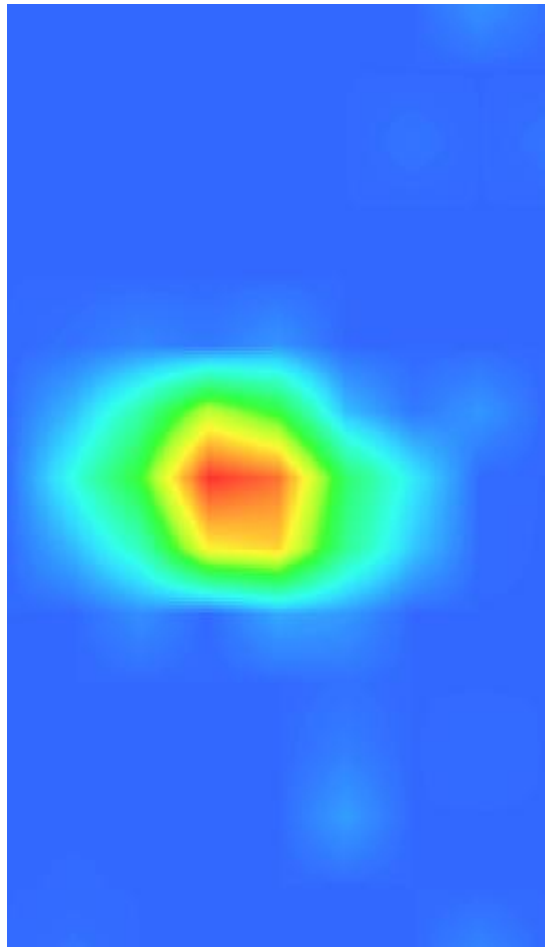
Maximum location: X=-8.00, Y=-3.00

SAR Peak: 6.84W/kg

SAR 10g (W/Kg)	0.406746
SAR 1g (W/Kg)	1.678396

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	6.4152	3.3004	1.4652	0.5462	0.1684	0.0368	0.0045	0.0008	0.0022



3D screen shot	Hot spot position
	

System Performance Check (Body, 5400MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 10/30/2019

Measurement duration: 22 minutes 23 seconds

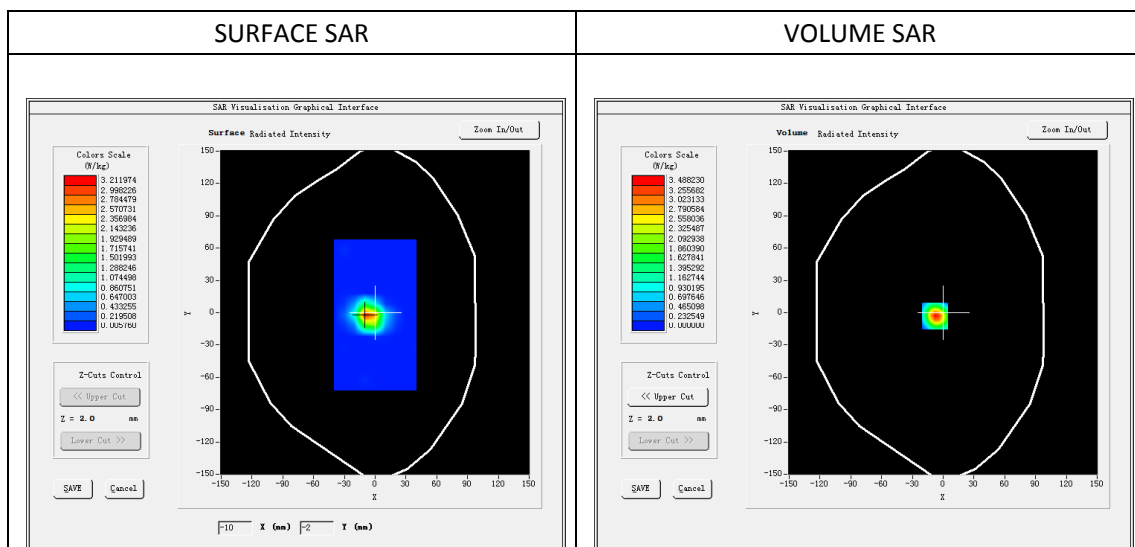
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5400MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5400
Relative permittivity (real part)	49.23
Relative permittivity	18.70
Conductivity (S/m)	5.61
Power drift (%)	-2.15
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.16

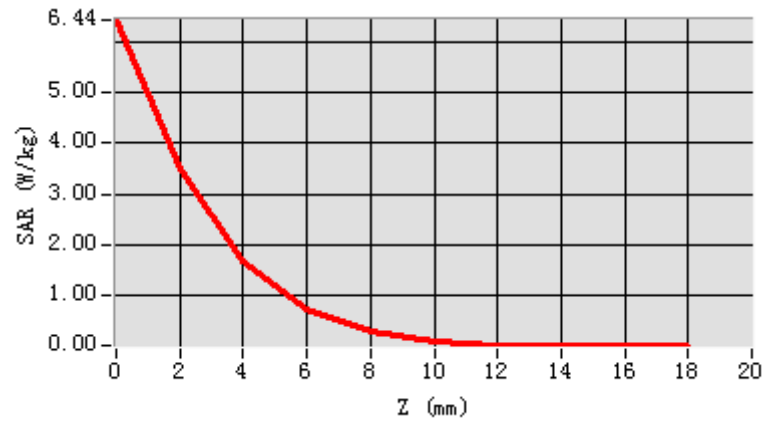


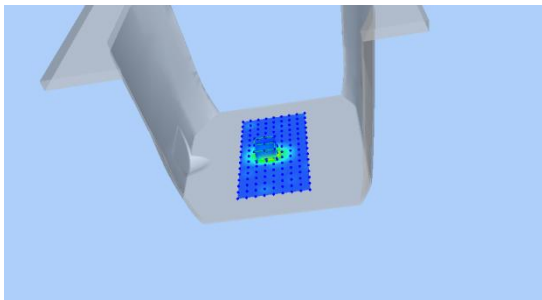
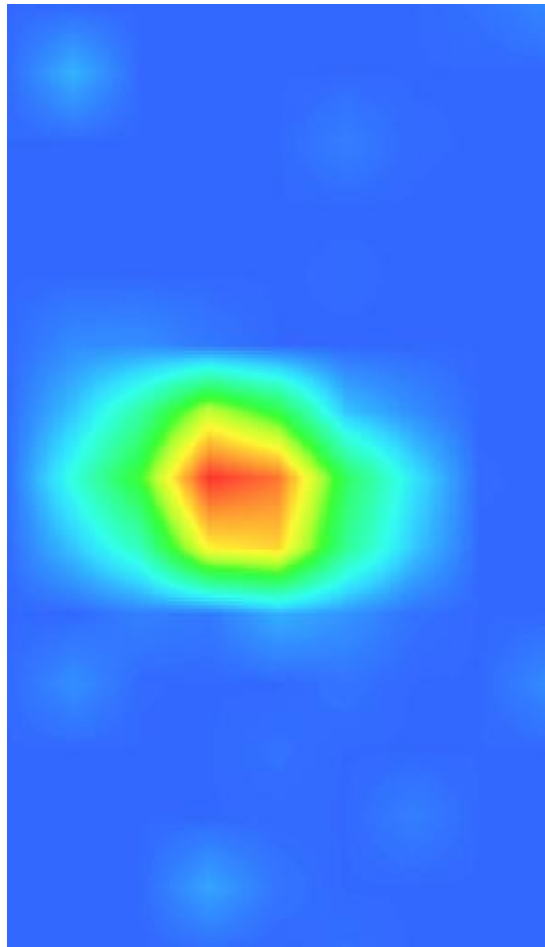
Maximum location: X=-8.00, Y=-3.00

SAR Peak: 6.84 W/kg

SAR 10g (W/Kg)	0.458542
SAR 1g (W/Kg)	1.799537

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	6.4383	3.4882	1.6851	0.7199	0.2764	0.0892	0.0006	0.0002	0.0034



3D screen shot	Hot spot position
	

System Performance Check (Head, 5600MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 11/01/2019

Measurement duration: 22 minutes 29 seconds

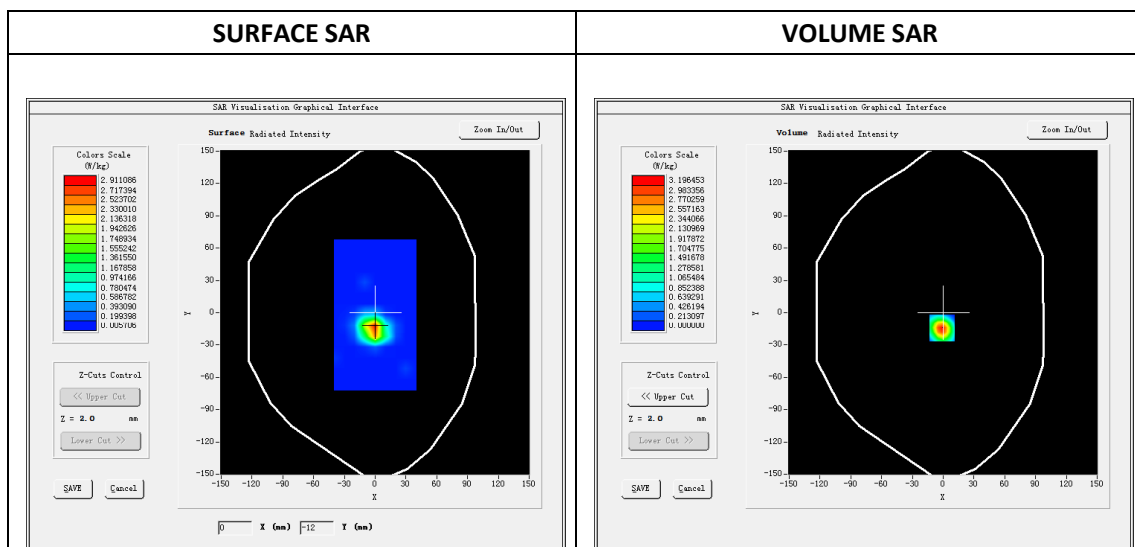
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5600MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5600
Relative permittivity (real part)	36.01
Relative permittivity	16.39
Conductivity (S/m)	5.10
Power drift (%)	-1.45
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.17

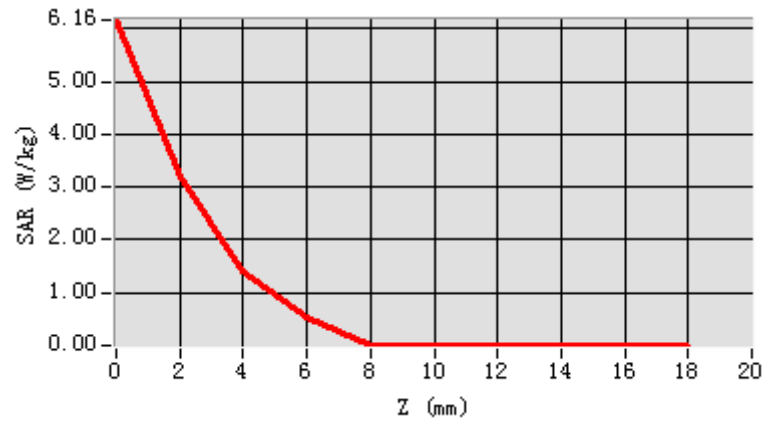


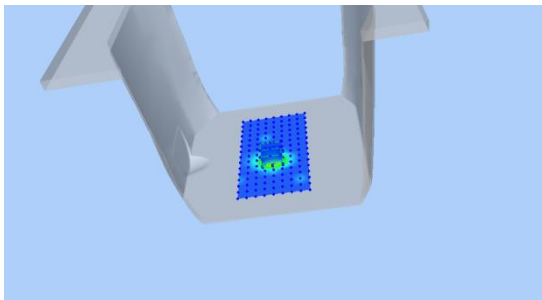
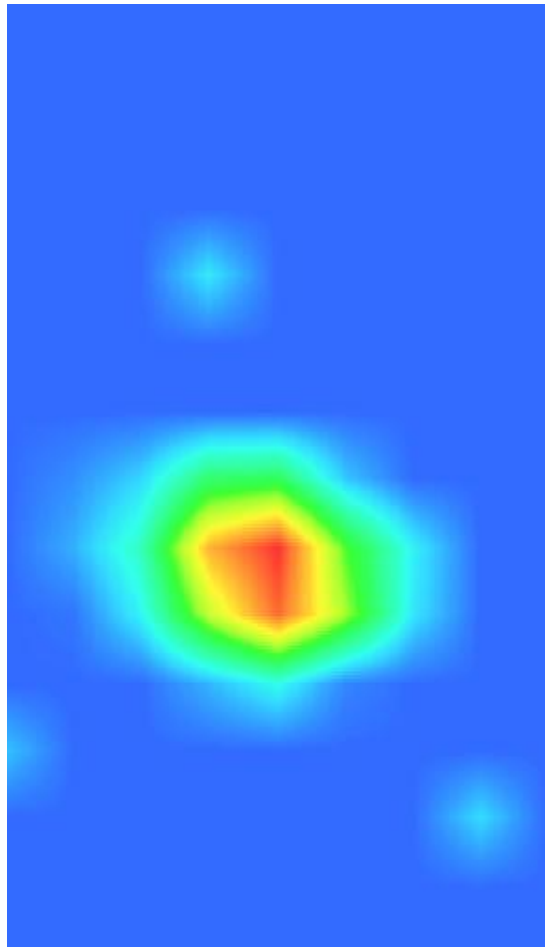
Maximum location: X=-1.00, Y=-14.00

SAR Peak: 6.59W/kg

SAR 10g (W/Kg)	0.372389
SAR 1g (W/Kg)	1.601743

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	6.1598	3.1965	1.4221	0.5321	0.0040	0.0007	0.0011	0.0012	0.0057



3D screen shot	Hot spot position
	

System Performance Check (Body, 5600MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 11/01/2019

Measurement duration: 22 minutes 30 seconds

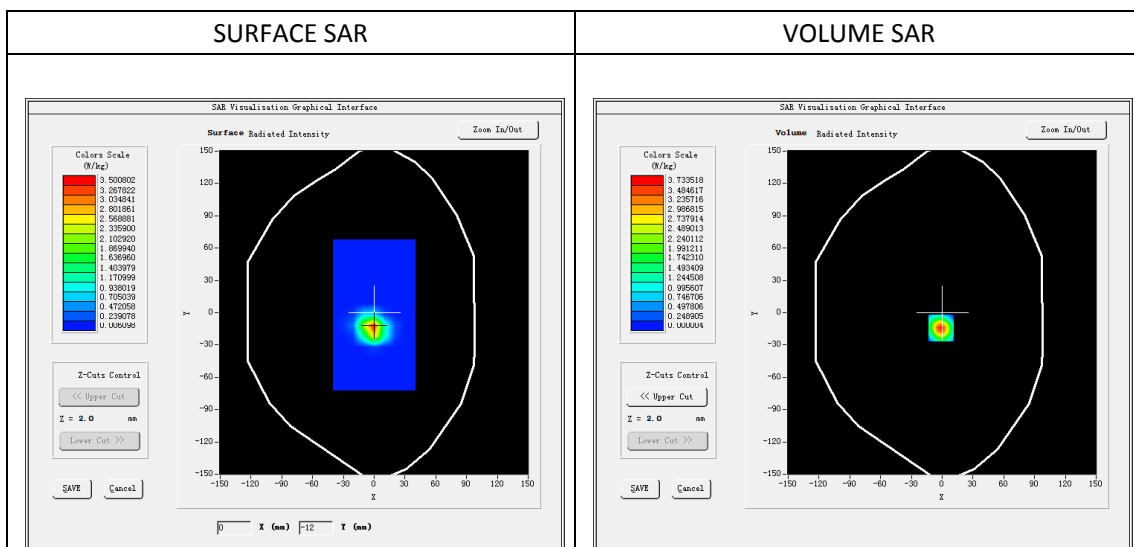
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5600MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5600
Relative permittivity (real part)	48.94
Relative permittivity	18.61
Conductivity (S/m)	5.79
Power drift (%)	-4.07
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.24

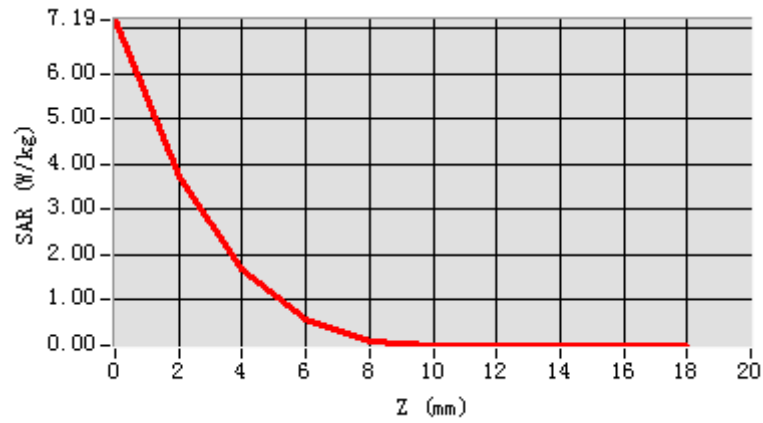


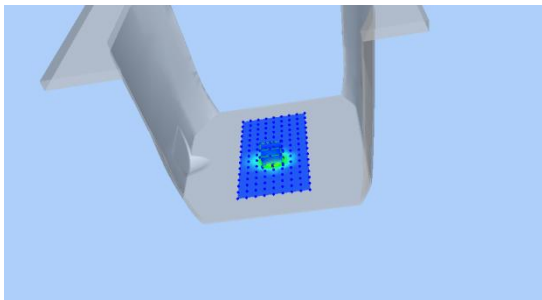
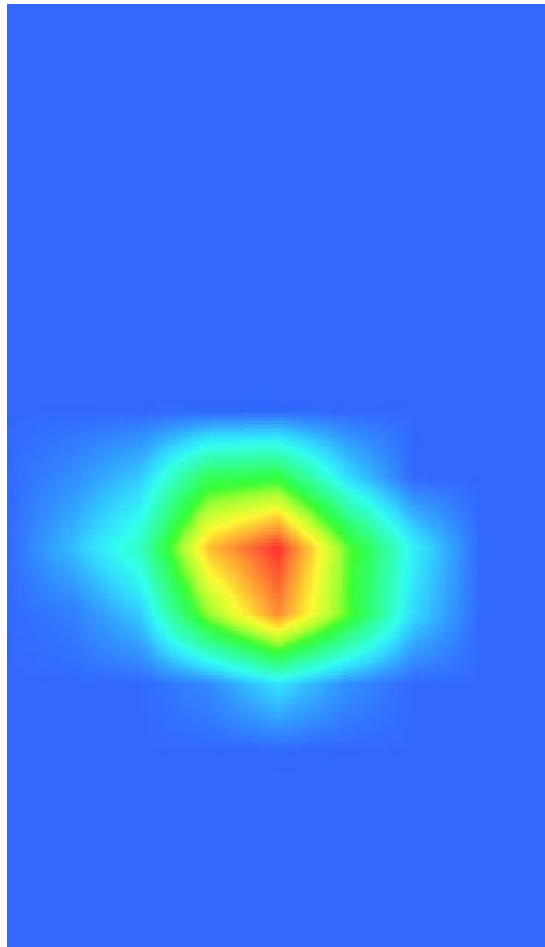
Maximum location: X=-1.00, Y=-14.00

SAR Peak: 7.52 W/kg

SAR 10g (W/Kg)	0.434429
SAR 1g (W/Kg)	1.861226

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	7.1938	3.7335	1.7038	0.5829	0.0767	0.0005	0.0001	0.0061	0.0000



3D screen shot	Hot spot position
	

System Performance Check (Head, 5800MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 10/31/2019

Measurement duration: 22 minutes 32 seconds

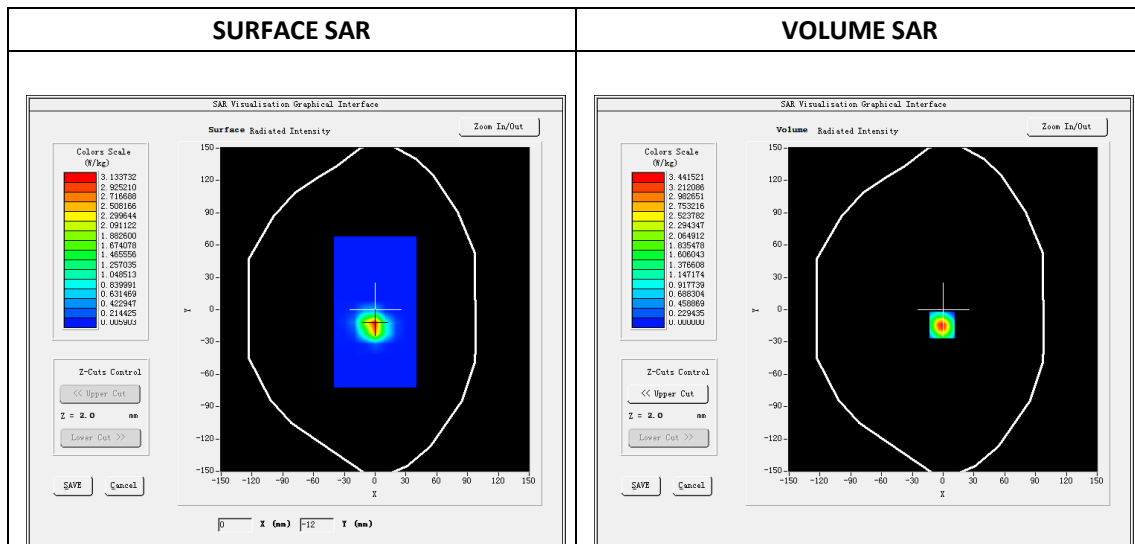
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5800MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5800
Relative permittivity (real part)	35.84
Relative permittivity	16.39
Conductivity (S/m)	5.28
Power drift (%)	-2.50
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.19

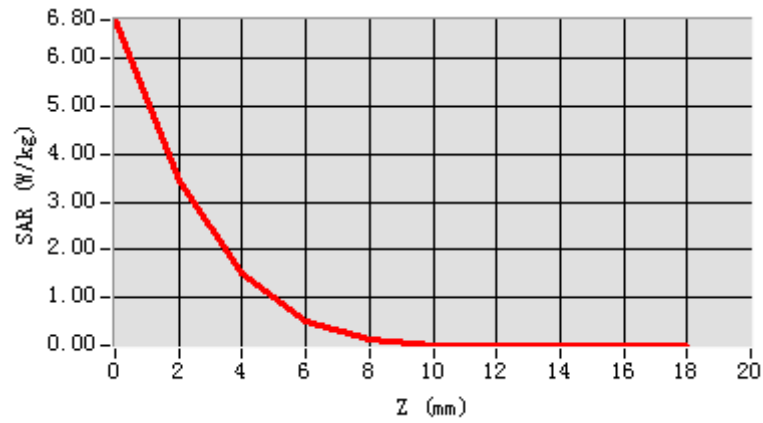


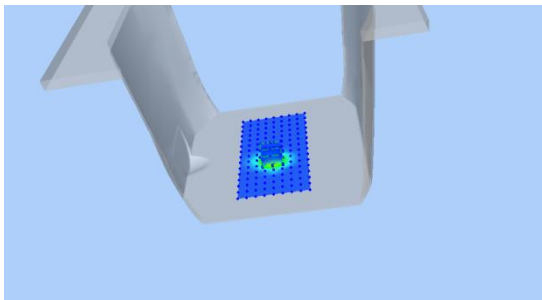
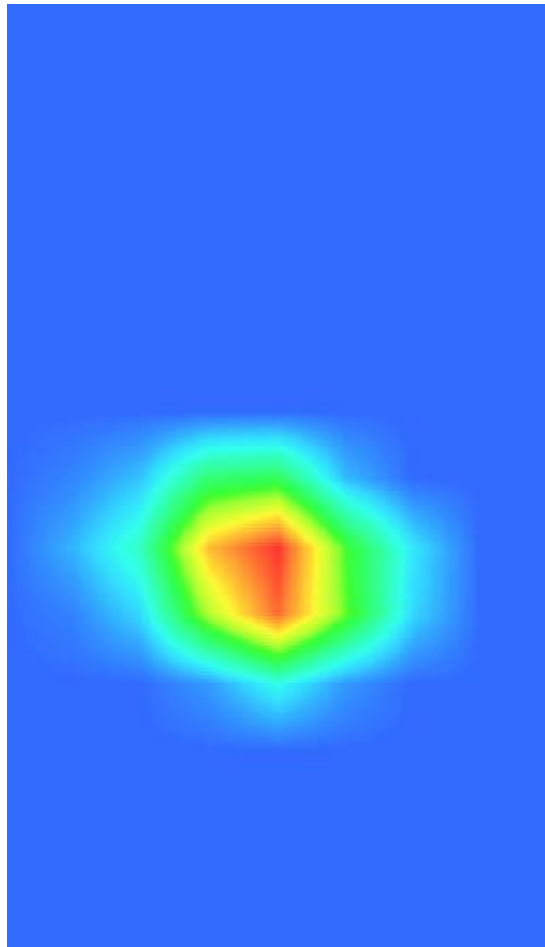
Maximum location: X=-1.00, Y=-14.00

SAR Peak: 7.21 W/kg

SAR 10g (W/Kg)	0.385520
SAR 1g (W/Kg)	1.717315

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	6.8006	3.4415	1.4934	0.4934	0.1057	0.0005	0.0016	0.0059	0.0000



3D screen shot	Hot spot position
	

System Performance Check (Body, 5800MHz)

Type: Phone measurement

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

Zoom scan resolution: dx=5mm, dy=5mm, dz=4mm

Date of measurement: 10/31/2019

Measurement duration: 22 minutes 33 seconds

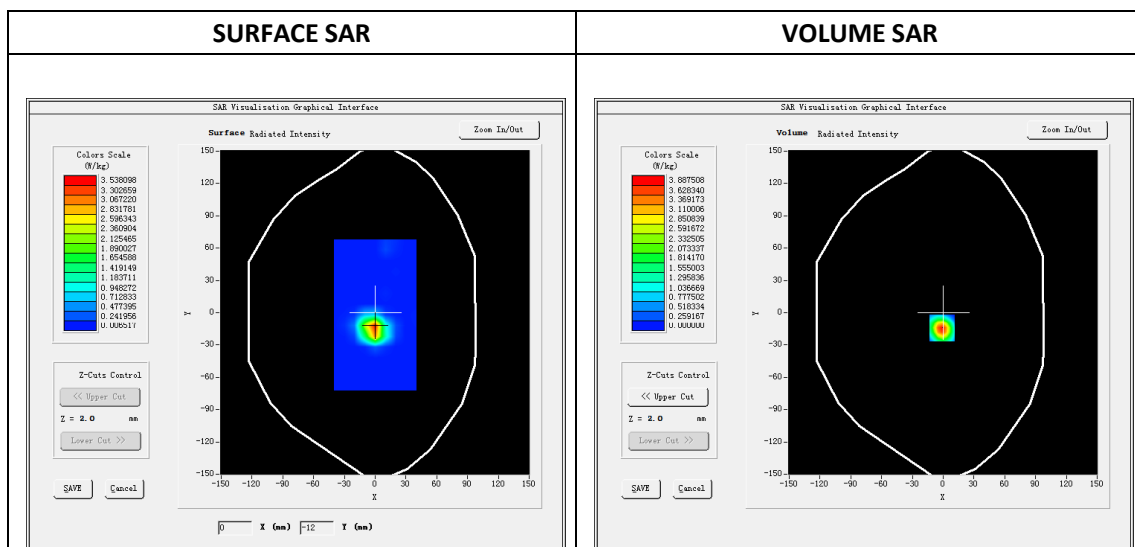
A. Experimental conditions.

Phantom File	dx=8mm dy=8mm
Phantom	7x7x8,dx=4mm dy=4mm dz=2mm
Device Position	Dipole
Band	5800MHz
Channels	
Signal	CW

B. SAR Measurement Results

Band SAR

E-Field Probe	SATIMO SN_27/15_EPG0261
Frequency (MHz)	5800
Relative permittivity (real part)	48.71
Relative permittivity	18.56
Conductivity (S/m)	5.98
Power drift (%)	-4.11
Ambient Temperature:	22.2°C
Liquid Temperature:	22.5°C
Crest factor:	1:1
ConvF:	2.26

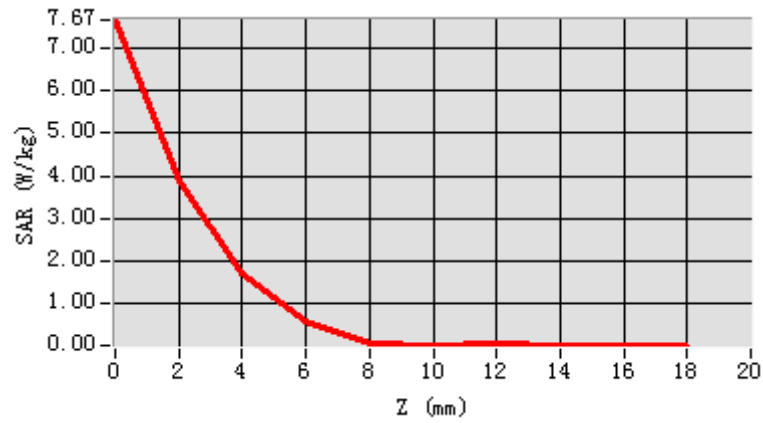


Maximum location: X=-1.00, Y=-14.00

SAR Peak: 8.09 W/kg

SAR 10g (W/Kg)	0.447596
SAR 1g (W/Kg)	1.930699

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	7.6733	3.8875	1.7117	0.5654	0.0487	0.0046	0.0414	0.0065	0.0000



3D screen shot	Hot spot position
