

Test Laboratory: AGC Lab

Date: Jun.26,2018

System Check Body 2450 MHz

DUT: Dipole 2450 MHz Type: SID 2450

Communication System CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle: 1:1; Conv.F=2.58

Frequency: 2450 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 53.02$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section; Input Power=18dBm

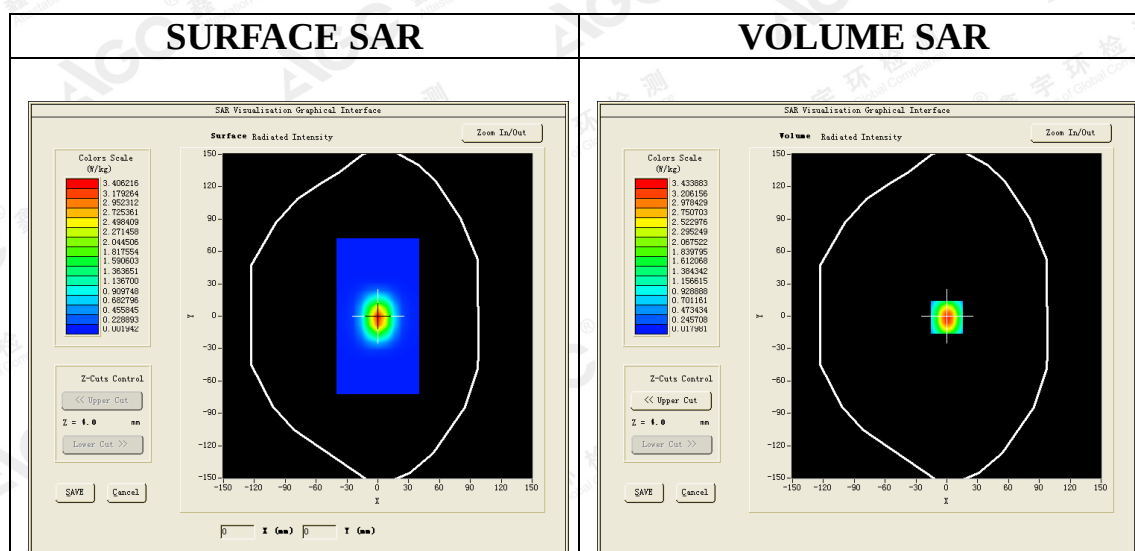
Ambient temperature (°C):22, Liquid temperature (°C): 21.5

SATIMO Configuration

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/System Check 2450MHz Body/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/System Check 2450MHz Body/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

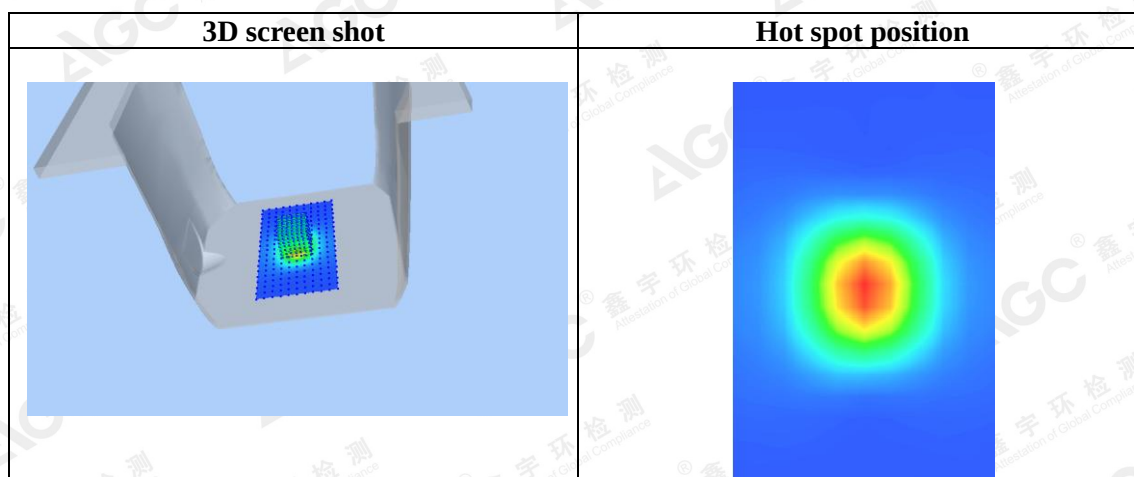
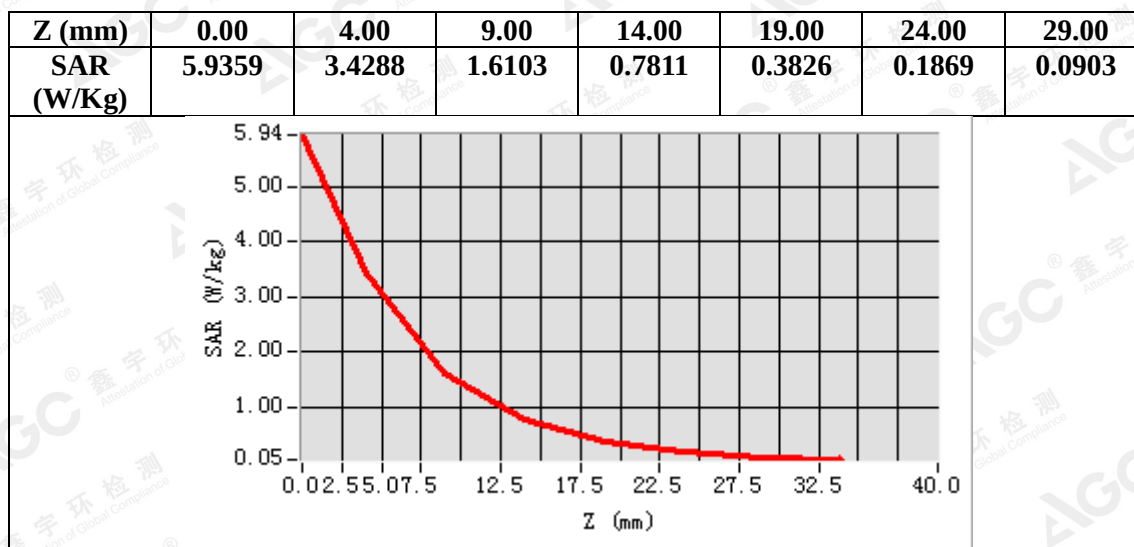


Maximum location: X=1.00, Y=-1.00

SAR Peak: 5.94W/kg

SAR 10g (W/Kg)	1.405182
SAR 1g (W/Kg)	3.129475

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Test Laboratory: AGC Lab

Date: Jun.28,2018

System Check Head 2600MHz

DUT: Dipole 2600 MHz; Type: SID 2600

Communication System: CW; Communication System Band: D2600 (2600.0 MHz); Duty Cycle: 1:1; Conv.F=2.40

Frequency:2600 MHz; Medium parameters used: $f = 2600$ MHz; $\sigma = 1.92$ mho/m; $\epsilon_r = 39.11$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section; Input Power=18dBm

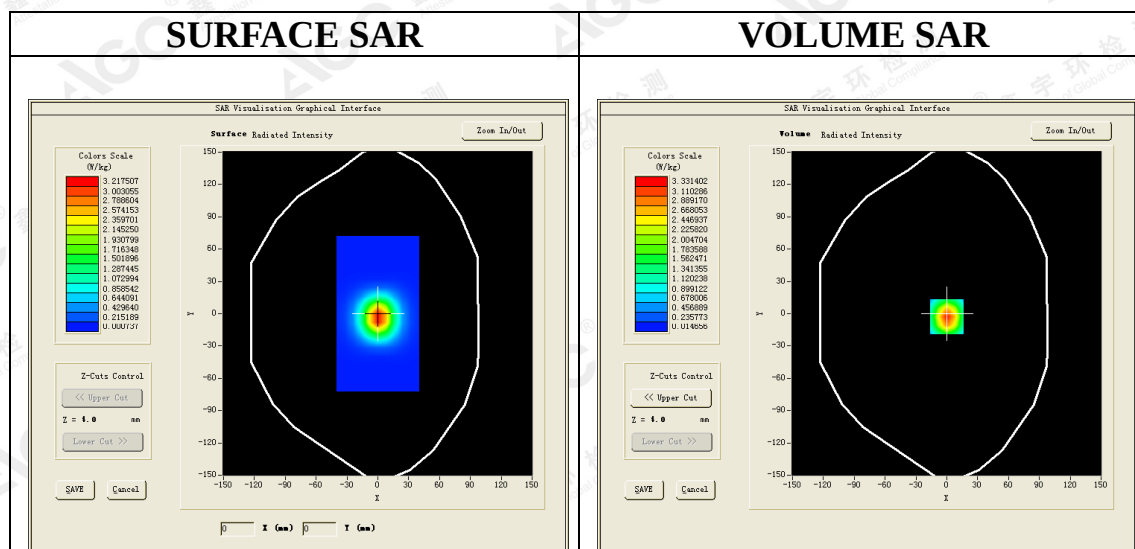
Ambient temperature (°C): 22.1, Liquid temperature (°C): 21.5

SATIMO Configuration:

- Probe: SSE5; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/System Check 2600 Head/Area Scan: Measurement grid: dx=8mm,dy=8mm

Configuration/System Check 2600 Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

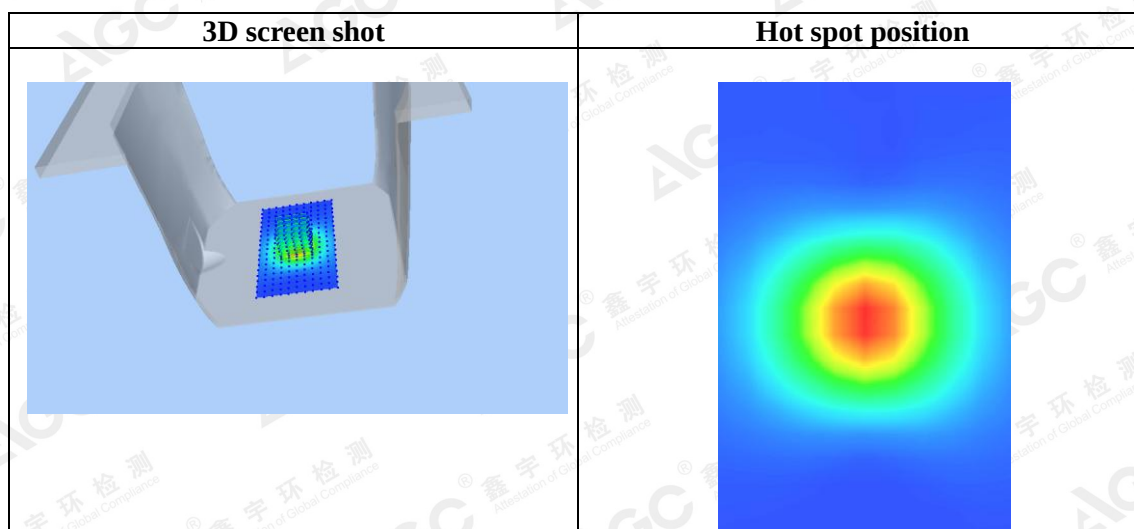
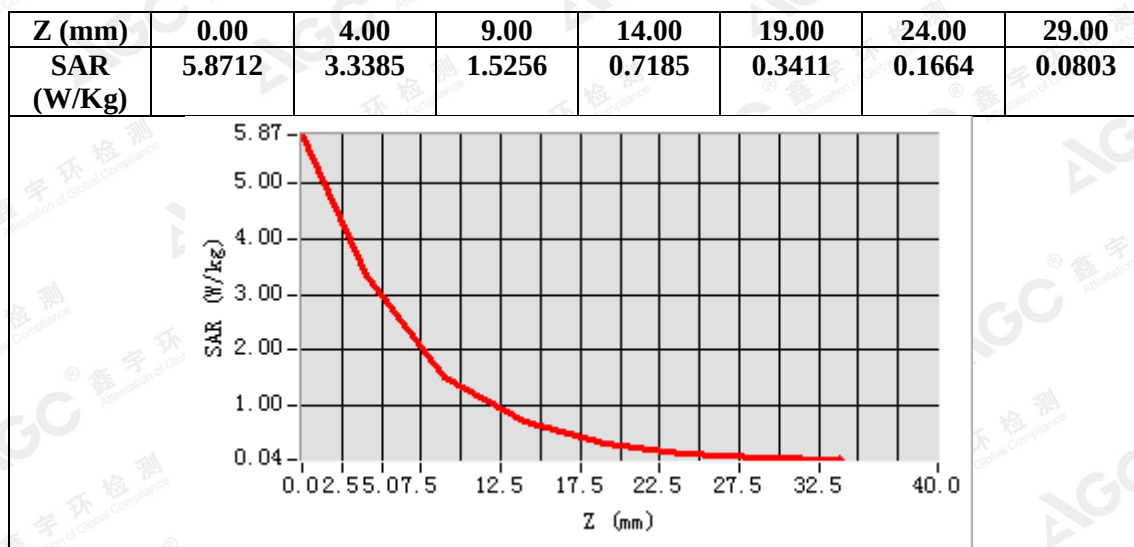


Maximum location: X=1.00, Y=-3.00

SAR Peak: 5.85 W/kg

SAR 10g (W/Kg)	1.429452
SAR 1g (W/Kg)	3.142916

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Test Laboratory: AGC Lab

Date: Jun.28,2018

System Check Body 2600MHz

DUT: Dipole 2600 MHz; Type: SID 2600

Communication System: CW; Communication System Band: D2600 (2600.0 MHz); Duty Cycle: 1:1; Conv.F=2.46

Frequency:2600 MHz; Medium parameters used: $f = 2600$ MHz; $\sigma = 2.18$ mho/m; $\epsilon_r = 52.48$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section; Input Power=18dBm

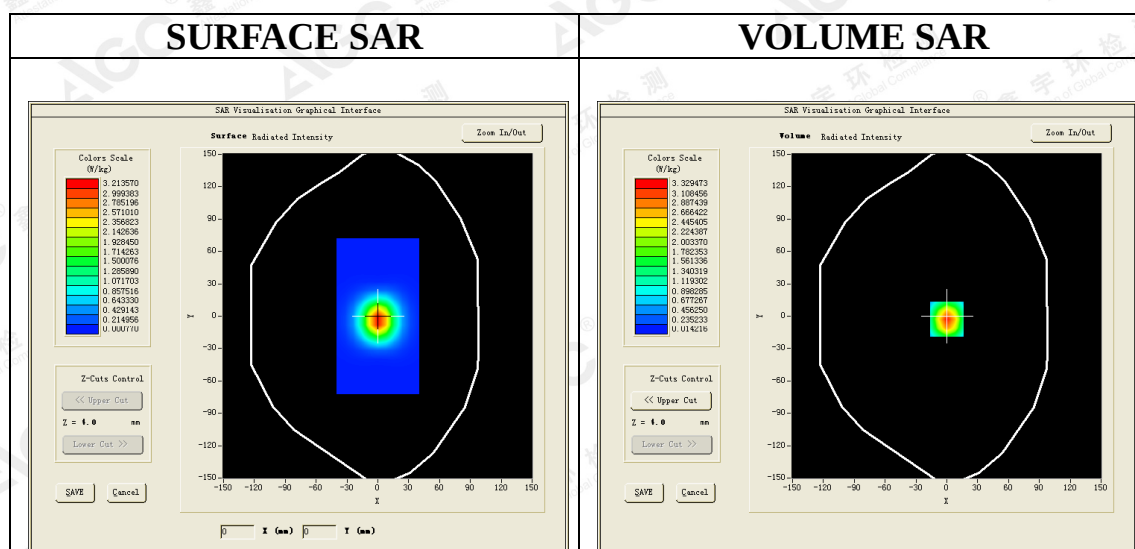
Ambient temperature (°C): 22.1, Liquid temperature (°C): 21.7

SATIMO Configuration:

- Probe: SSE5; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/System Check 2600 Body/Area Scan: Measurement grid: dx=8mm,dy=8mm

Configuration/System Check 2600 Body /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

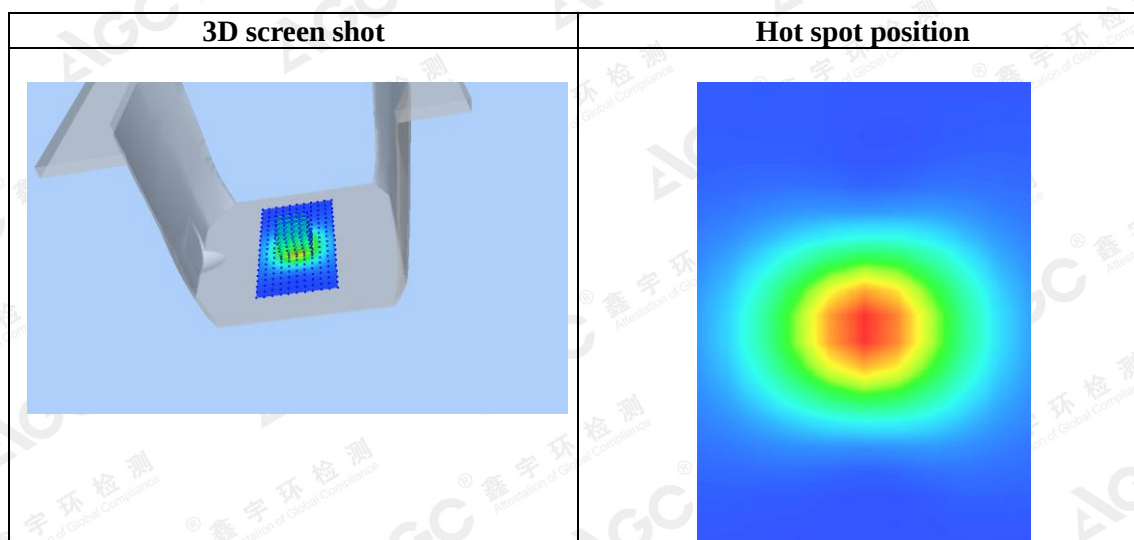
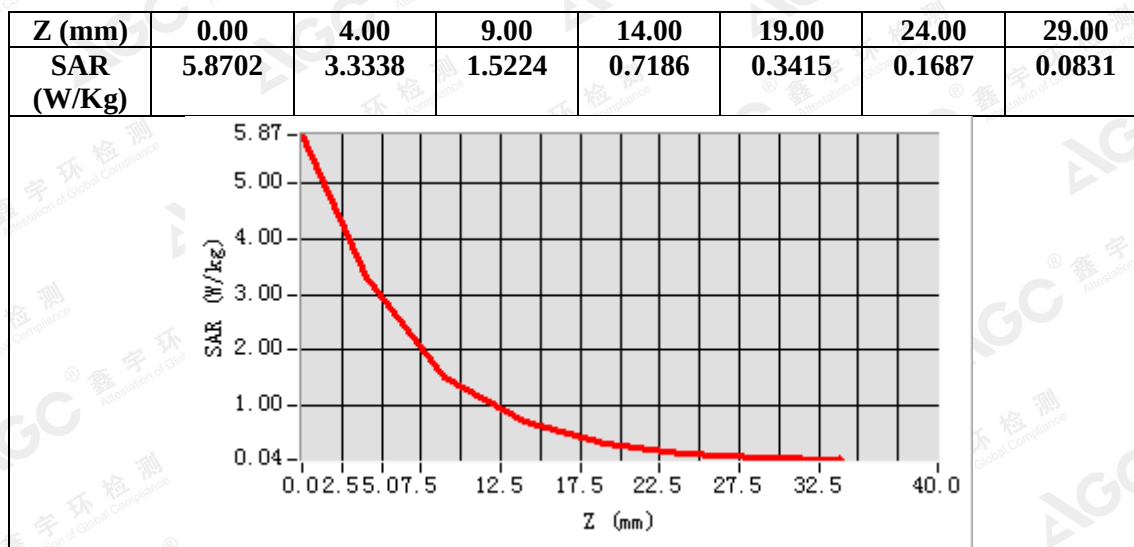


Maximum location: X=0.00, Y=-2.00

SAR Peak: 5.83 W/kg

SAR 10g (W/Kg)	1.418543
SAR 1g (W/Kg)	3.129477

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Test Laboratory: AGC Lab

Date: June 30, 2018

System Check Head 5200 MHz

DUT: Dipole 5000MHz Type: SWG5500

Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=2.35

Frequency: 5200 MHz; Medium parameters used: $f = 5200$ MHz; $\sigma = 4.7$ mho/m; $\epsilon_r = 36.1$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section; Input Power=18dBm

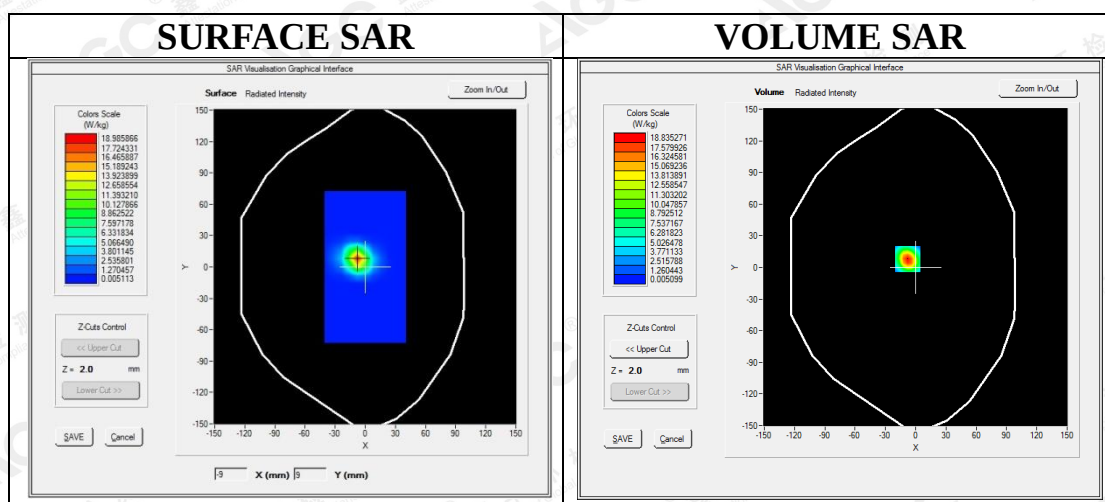
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.1

SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08, 2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/System Check 5200 MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/System Check 5200 MHz Head/Zoom Scan: Measurement grid: dx=4mm, dy=4mm, dz=2mm

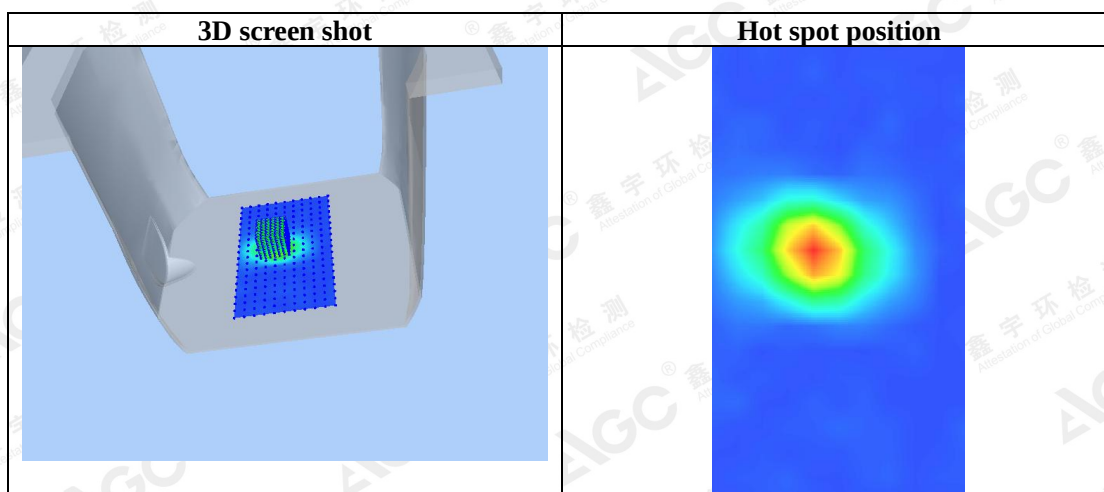
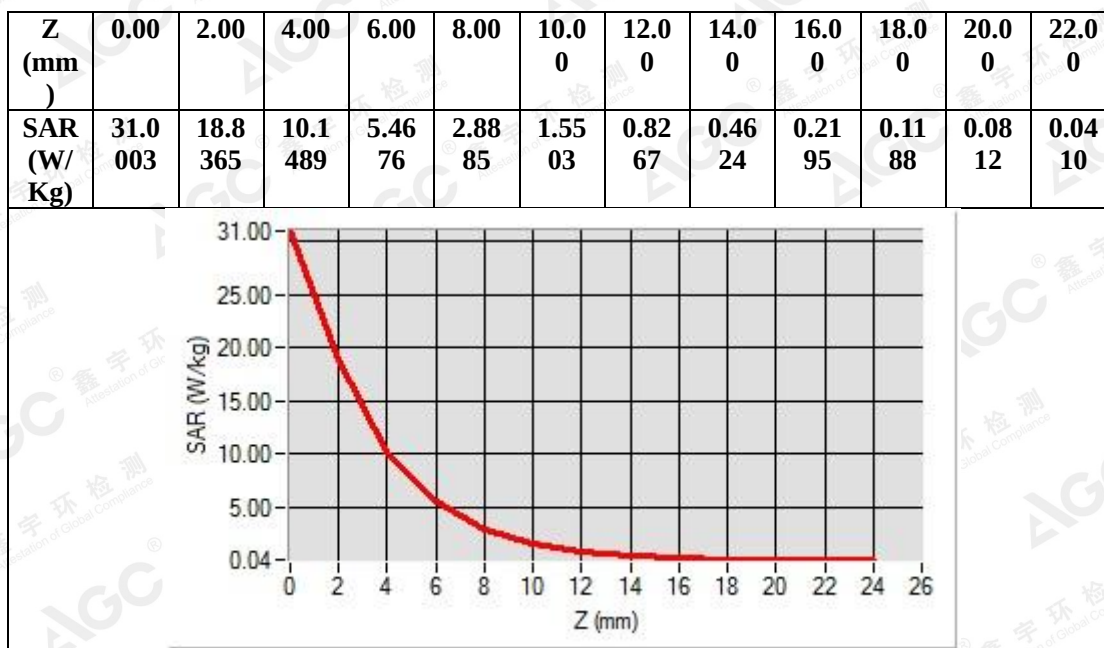


Maximum location: X=-9.00, Y=9.00

SAR Peak: 31.26 W/kg

SAR 10g (W/Kg)	3.547514
SAR 1g (W/Kg)	10.669430

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Test Laboratory: AGC Lab

Date: June 30, 2018

System Check Body 5200 MHz

DUT: Dipole 5000MHz Type: SWG5500

Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=2.41

Frequency: 5200 MHz; Medium parameters used: $f = 5200$ MHz; $\sigma = 5.31$ mho/m; $\epsilon_r = 49.77$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section; Input Power=18dBm

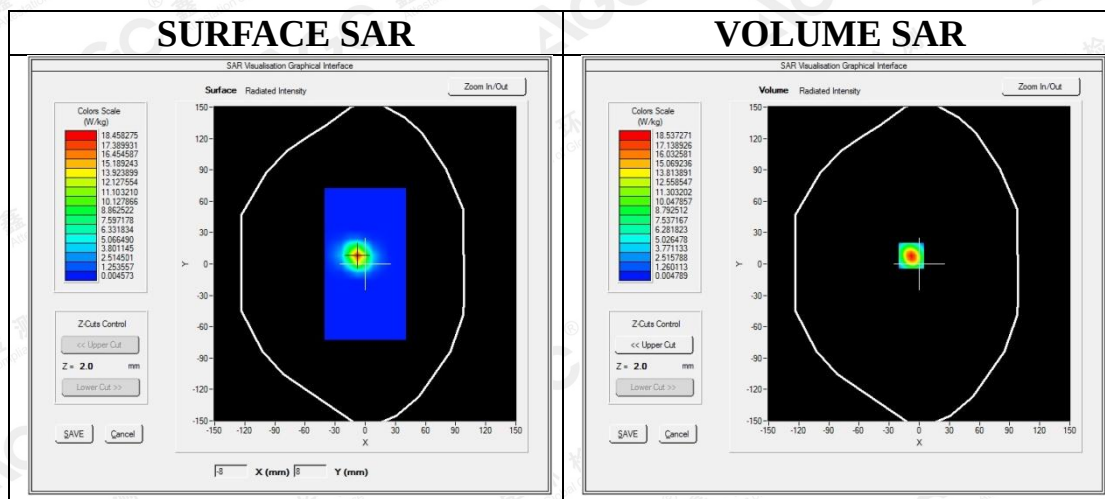
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08, 2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/System Check 5200 MHz Body/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/System Check 5200 MHz Body/Zoom Scan: Measurement grid: dx=4mm, dy=4mm, dz=2mm



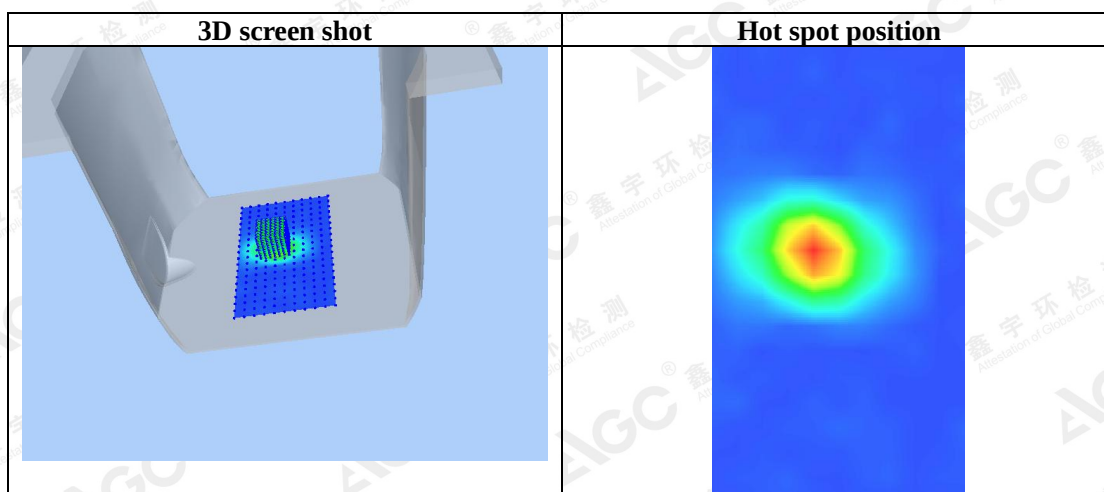
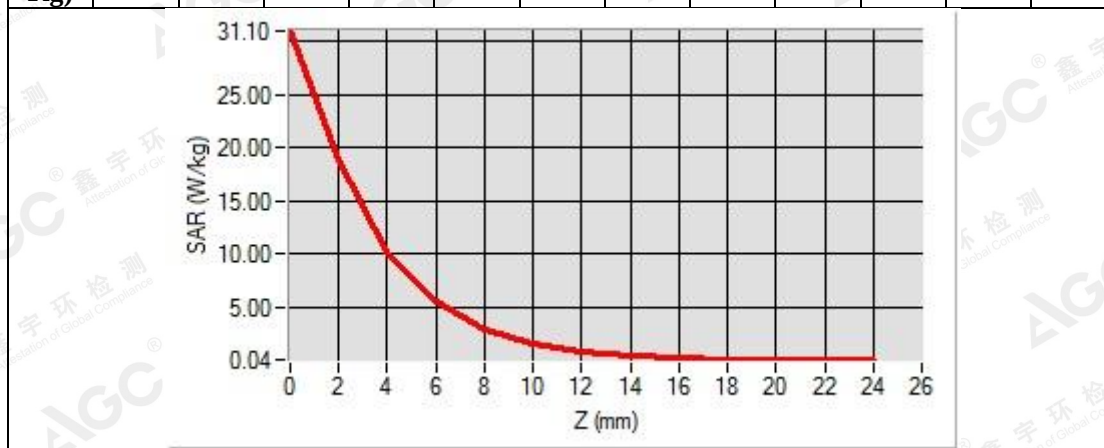
Maximum location: X=-7.00, Y=7.00

SAR Peak: 31.08 W/kg

SAR 10g (W/Kg)	3.568570
SAR 1g (W/Kg)	10.693482

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Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
SAR (W/Kg)	31.1 002	19.0 021	10.1 706	5.48 36	2.90 23	1.56 95	0.83 30	0.48 41	0.23 65	0.13 38	0.09 75	0.05 62



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Test Laboratory: AGC Lab

Date: July 3, 2018

System Check Head 5800 MHz

DUT: Dipole 5000MHz Type: SWG5500

Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=2.46

Frequency: 5800 MHz; Medium parameters used: $f = 5800$ MHz; $\sigma = 5.25$ mho/m; $\epsilon_r = 35.31$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section; Input Power=18dBm

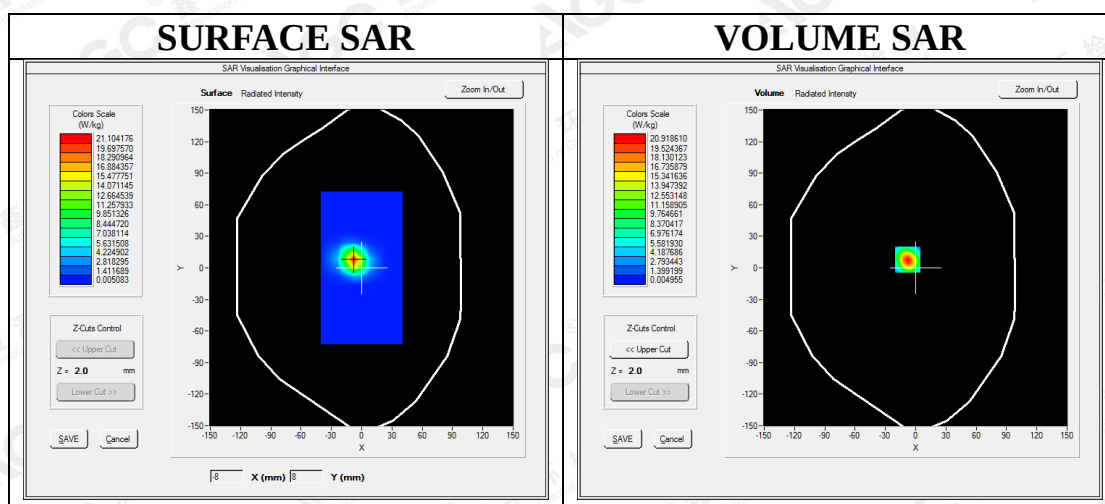
Ambient temperature (°C): 22.2, Liquid temperature (°C): 21.3,

SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08, 2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/System Check 5800 MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/System Check 5800 MHz Head/Zoom Scan: Measurement grid: dx=4mm, dy=4mm, dz=2mm



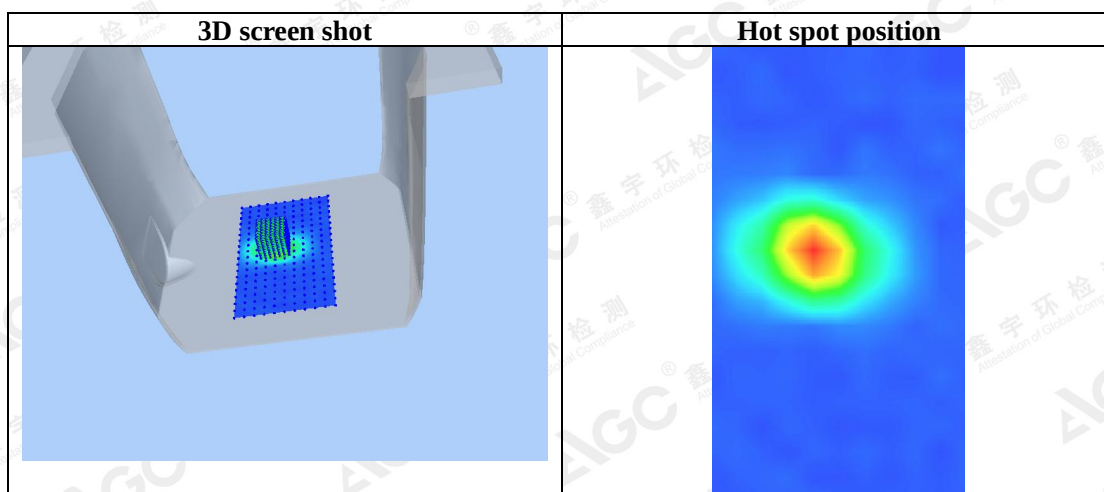
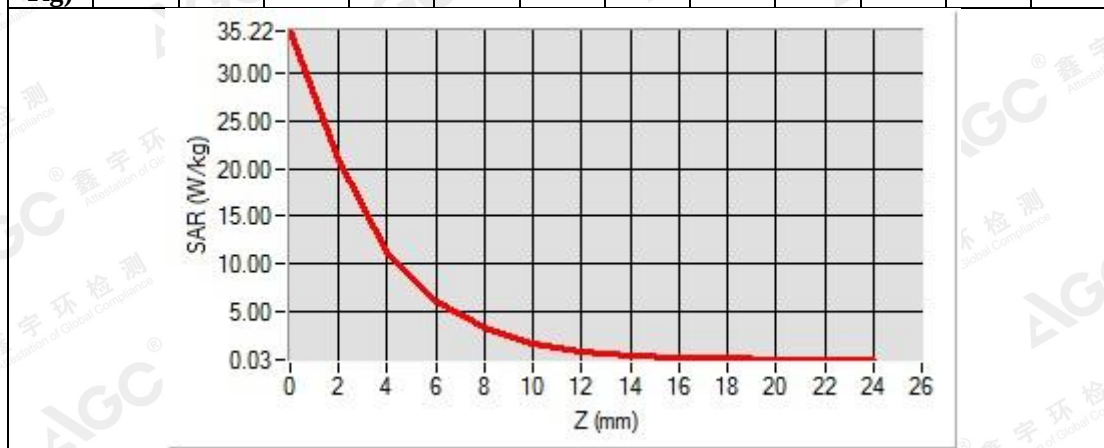
Maximum location: X=-9.00, Y=9.00

SAR Peak: 35.20 W/kg

SAR 10g (W/Kg)	3.988541
SAR 1g (W/Kg)	11.902785

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Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
SAR (W/Kg)	35.2 222	20.9 411	11.4 305	6.17 95	3.34 56	1.80 02	0.98 54	0.55 74	0.30 24	0.20 88	0.07 11	0.04 33



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Test Laboratory: AGC Lab

Date: July 3, 2018

System Check Body 5800 MHz

DUT: Dipole 5000MHz Type: SWG5500

Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=2.53

Frequency: 5800 MHz; Medium parameters used: $f = 5800$ MHz; $\sigma = 5.95$ mho/m; $\epsilon_r = 48.60$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section; Input Power=18dBm

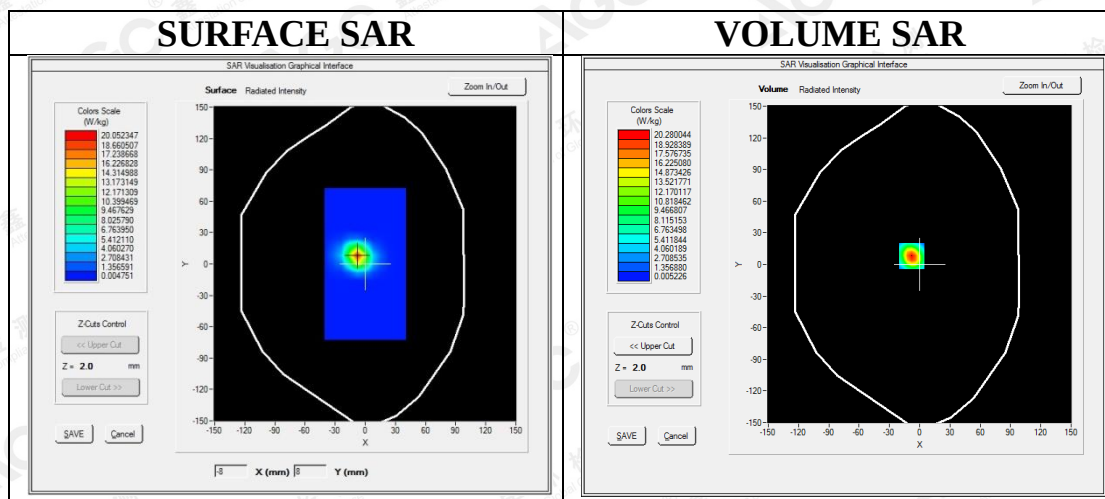
Ambient temperature (°C): 22.2, Liquid temperature (°C): 21.5,

SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08, 2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/System Check 5600 MHz Body/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/System Check 5600 MHz Body/Zoom Scan: Measurement grid: dx=4mm, dy=4mm, dz=2mm



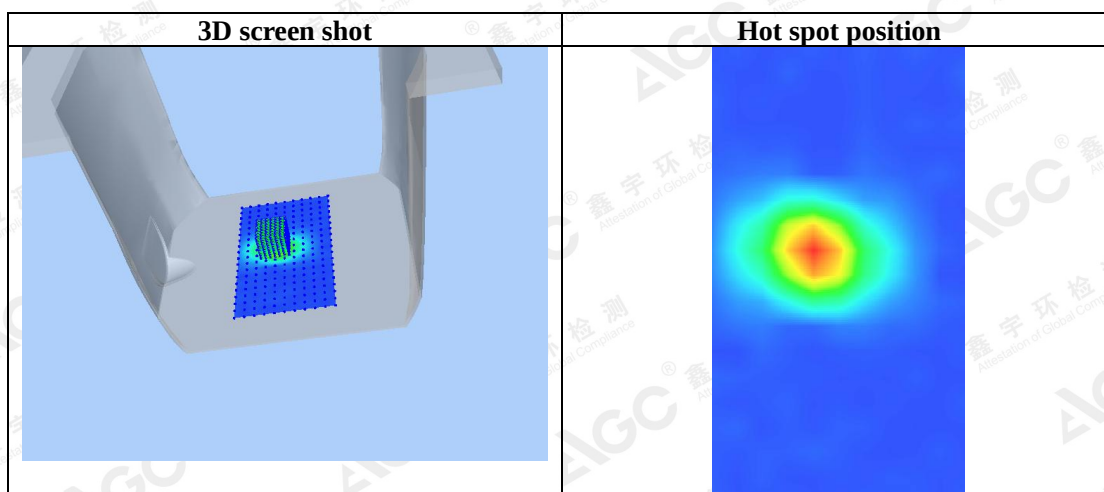
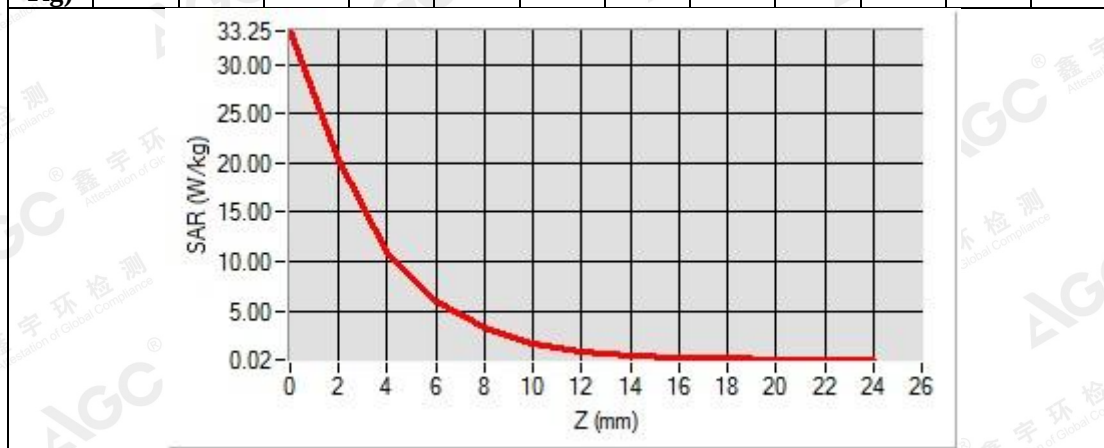
Maximum location: X=-8.00, Y=8.00

SAR Peak: 33.25 W/kg

SAR 10g (W/Kg)	3.745275
SAR 1g (W/Kg)	11.325461

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Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
SAR (W/Kg)	33.2 544	20.2 688	10.9 622	5.89 55	3.16 74	1.65 26	0.91 26	0.49 33	0.26 22	0.13 48	0.06 99	0.02 01



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APPENDIX B. SAR MEASUREMENT DATA

Test Laboratory: AGC Lab

Date: Jun.15,2018

GSM 850 Mid-Touch-Left <SIM 1>

DUT: Mobile Phone ; Type: ETHOS

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=1.74;
Frequency: 836.6 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.90$ mho/m; $\epsilon_r = 40.73$; $\rho = 1000$ kg/m³;
Phantom section: Left Section
Ambient temperature (°C): 22.4, Liquid temperature (°C): 21.5

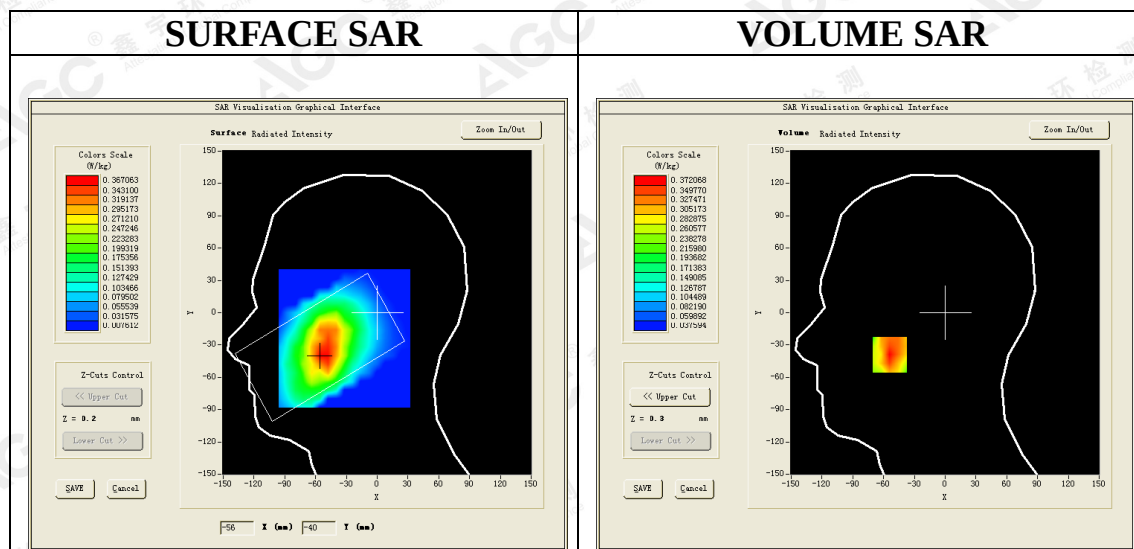
SATIMO Configuration

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/GSM 850 Mid-Touch-Left/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/GSM 850 Mid-Touch-Left/Zoom Scan : Measurement grid: dx=8mm,dy=8mm, dz=5mm

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

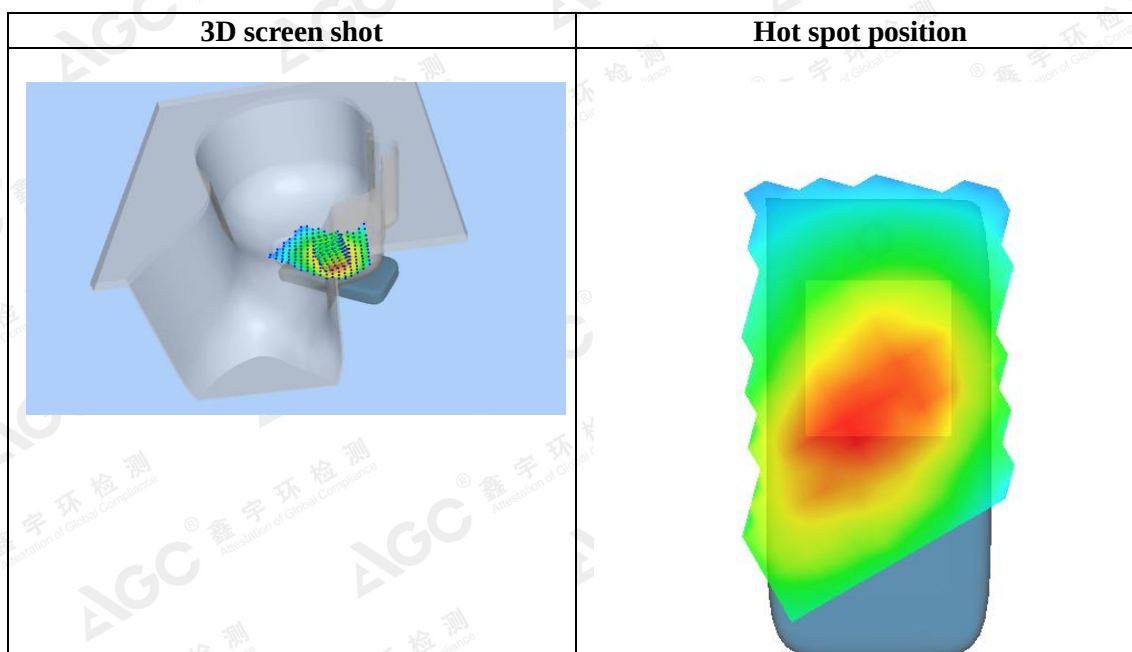
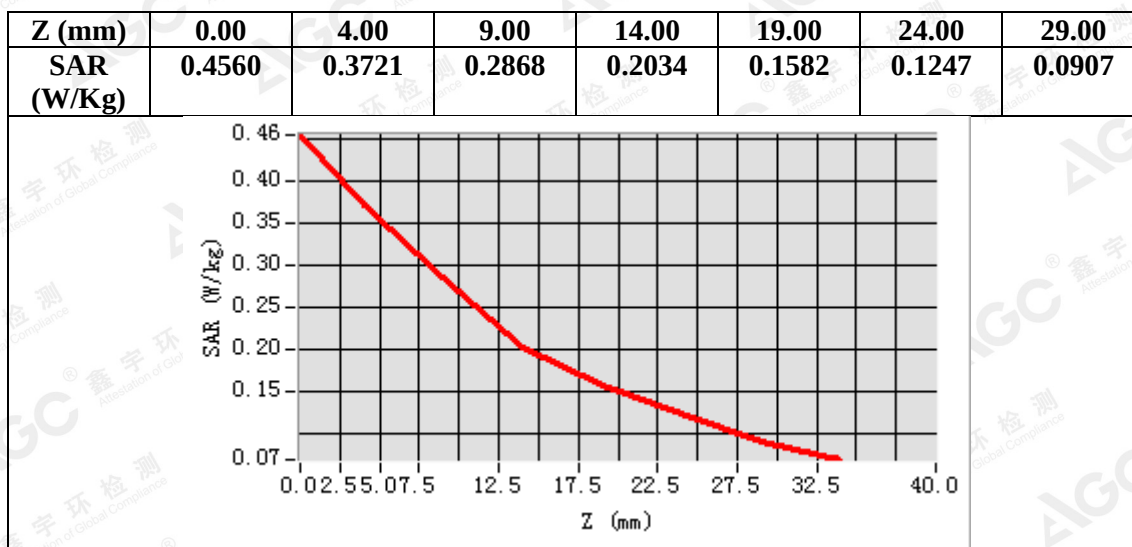


Maximum location: X=-54.00, Y=-39.00

SAR Peak: 0.50 W/kg

SAR 10g (W/Kg)	0.250939
SAR 1g (W/Kg)	0.353190

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Test Laboratory: AGC Lab
GSM 850 Mid- Body- Back (MS)<SIM 1>
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.15,2018

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=1.81;
Frequency: 836.6 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.58$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 22.4, Liquid temperature (°C): 21.9

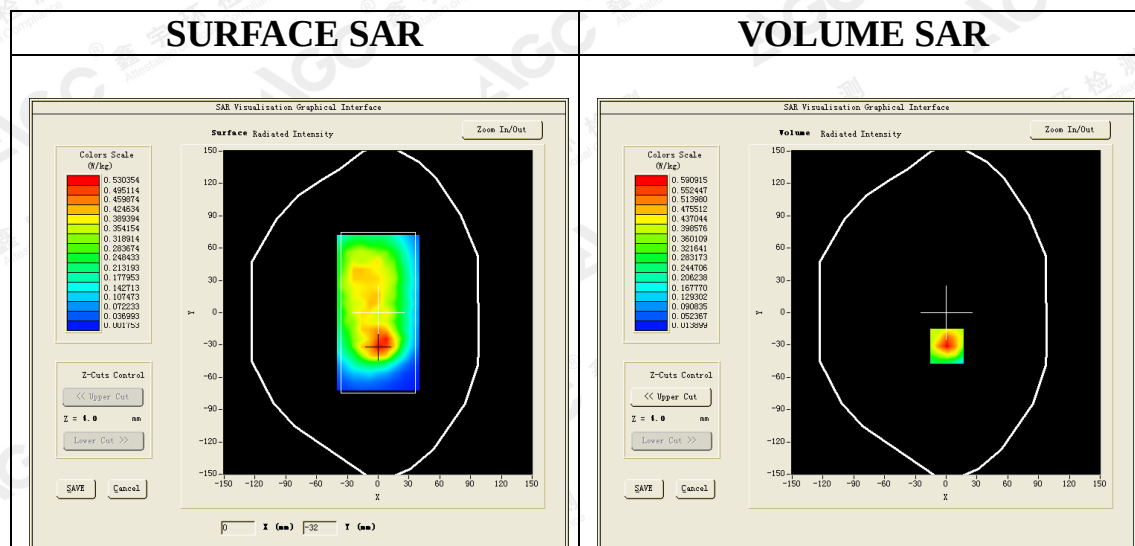
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/GSM 850 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/GSM 850 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

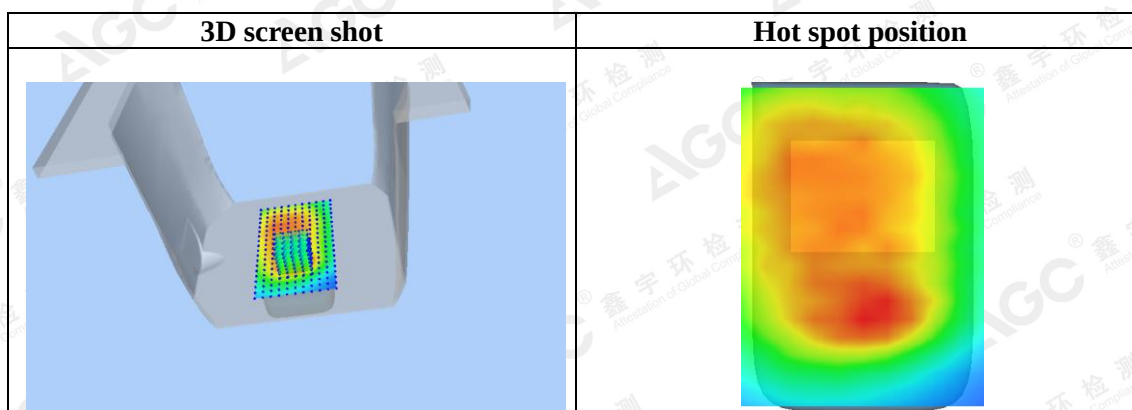
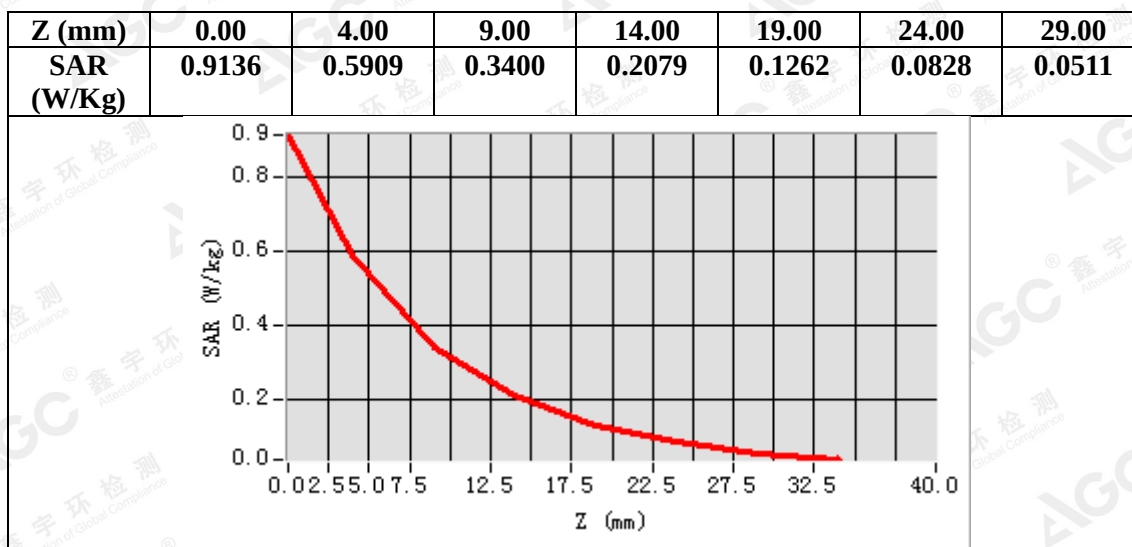


Maximum location: X=1.00, Y=-31.00

SAR Peak: 0.92 W/kg

SAR 10g (W/Kg)	0.316231
SAR 1g (W/Kg)	0.558049

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Test Laboratory: AGC Lab
GPRS 850 Mid- Body- Back (4up)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.15,2018

Communication System: GPRS-4 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.1; Conv.F=1.81;
Frequency: 836.6 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.58$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 22.4, Liquid temperature (°C): 21.9

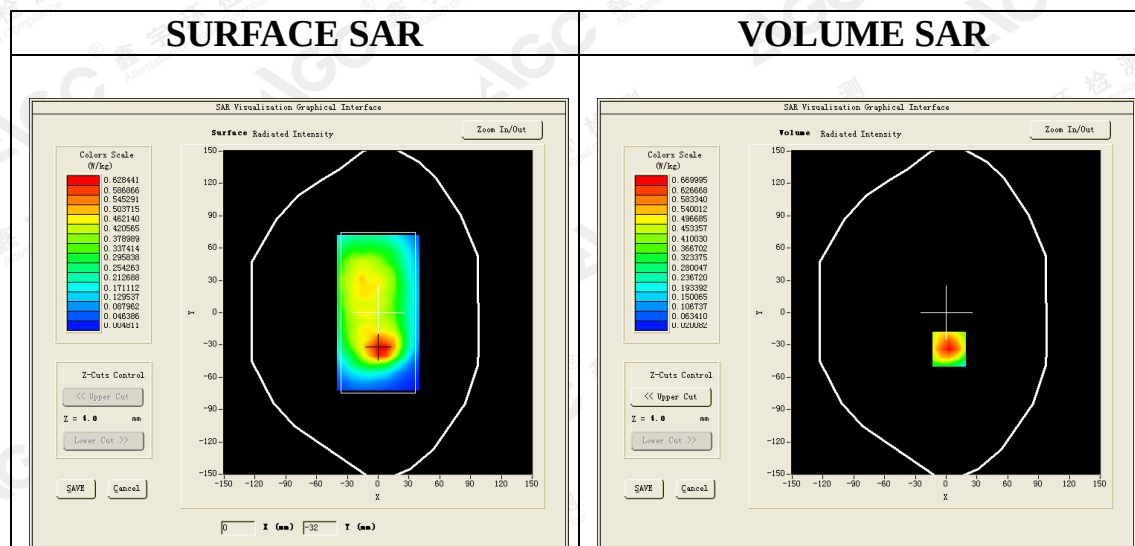
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/GPRS 850 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/GPRS 850 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 2.0)

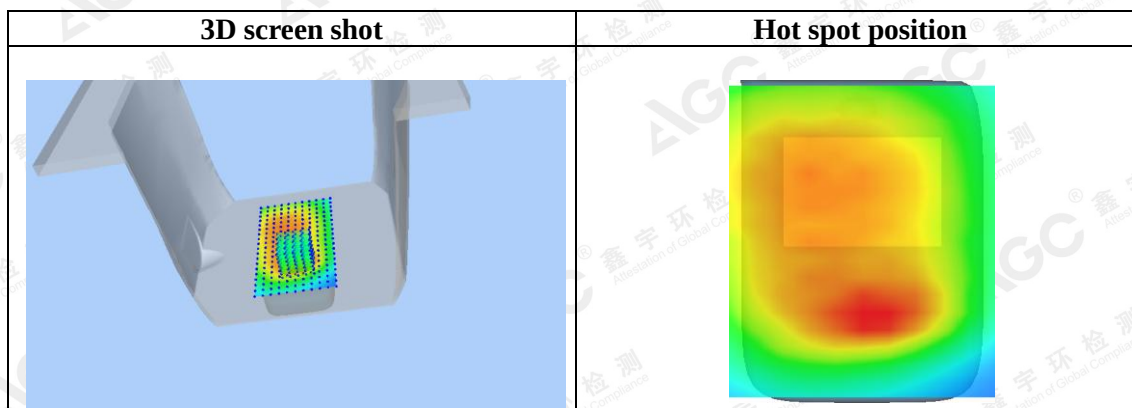
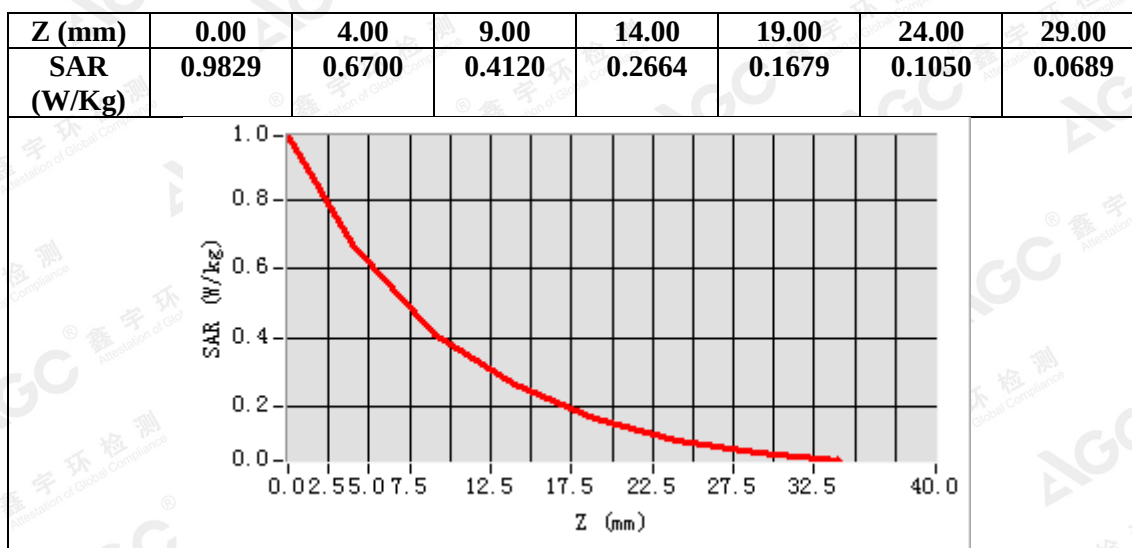


Maximum location: X=3.00, Y=-34.00

SAR Peak: 0.98 W/kg

SAR 10g (W/Kg)	0.382548
SAR 1g (W/Kg)	0.638172

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Test Laboratory: AGC Lab
PCS 1900 Mid-Touch- Left <SIM 1>
DUT: Mobile Phone ; Type: ETHOS

Date: Jun.17,2018

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=2.32;
Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 40.03$; $\rho = 1000$ kg/m³ ;
Phantom section: Left Section
Ambient temperature (°C): 22.1, Liquid temperature (°C): 21.3

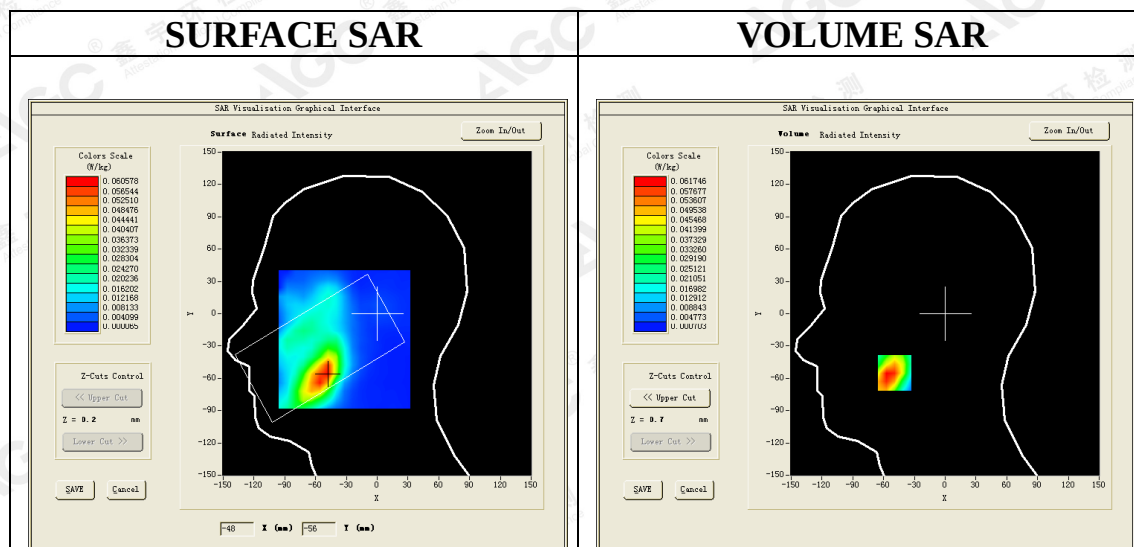
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/PCS1900 Mid-Touch-Left/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/PCS1900 Mid-Touch-Left/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

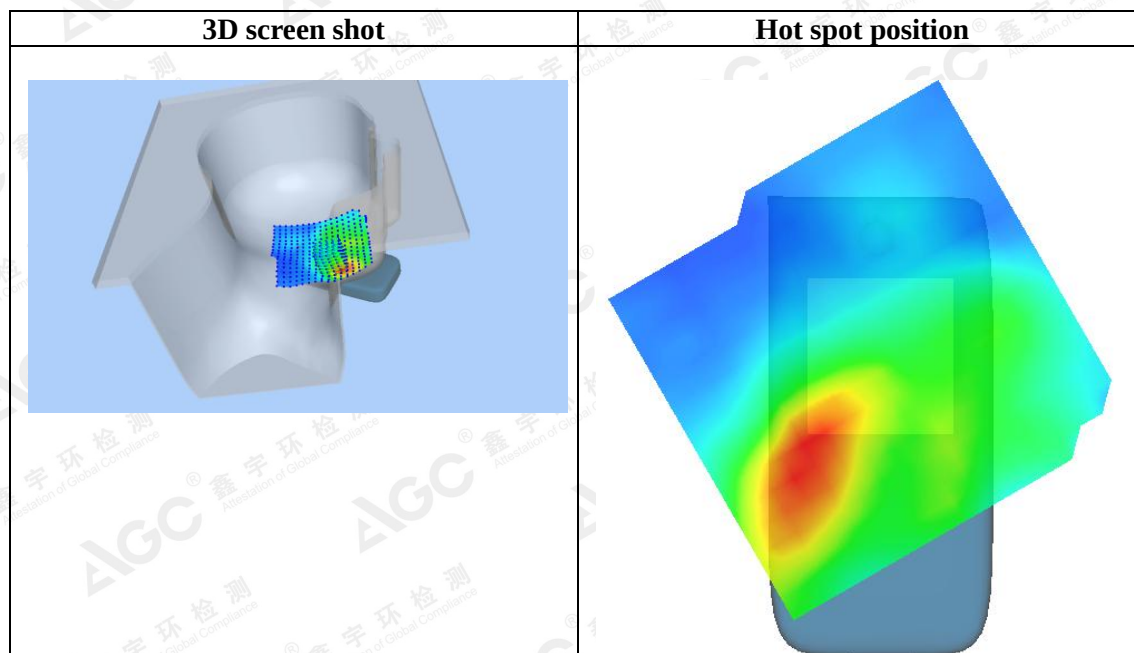
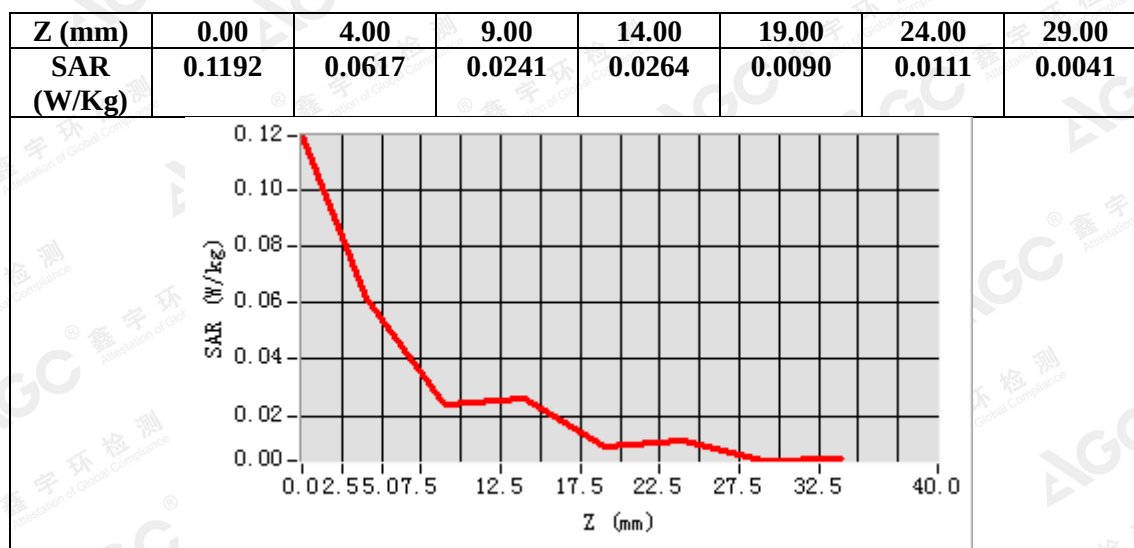


Maximum location: X=-49.00, Y=-55.00

SAR Peak: 0.10 W/kg

SAR 10g (W/Kg)	0.033622
SAR 1g (W/Kg)	0.060024

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Test Laboratory: AGC Lab
PCS 1900 Mid-Body-Back (MS)<SIM 1>
DUT: Mobile Phone ; Type: ETHOS

Date: Jun.17,2018

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=2.39;
Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 53.84$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 22.1, Liquid temperature (°C): 21.6

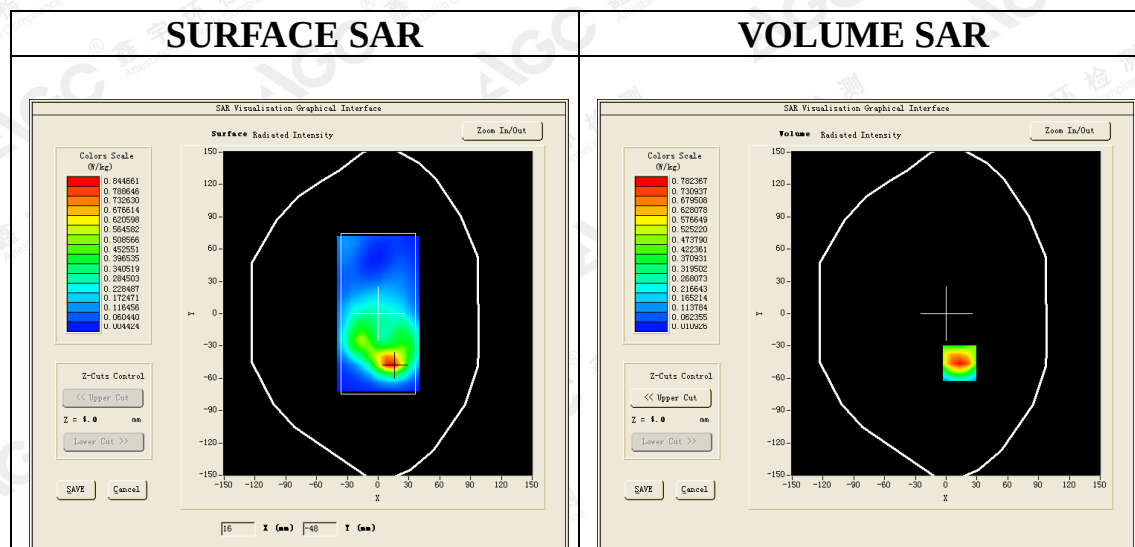
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/PCS1900 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/PCS1900 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

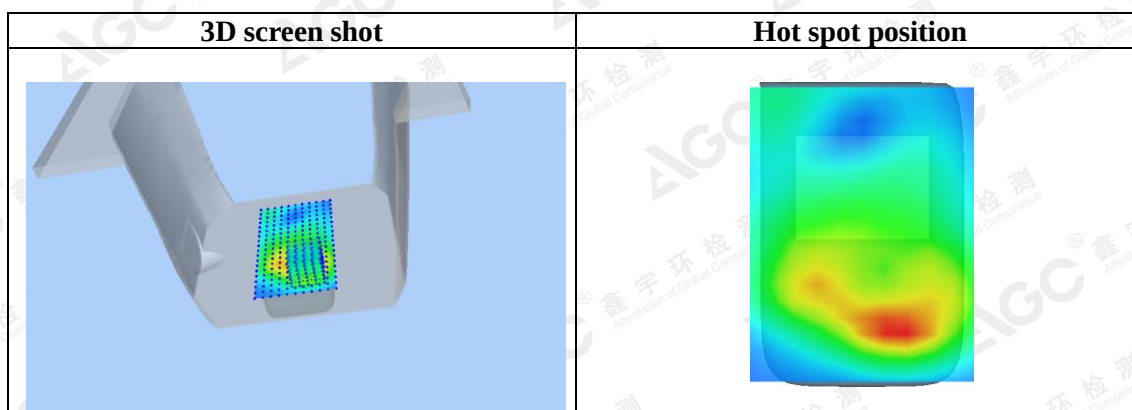
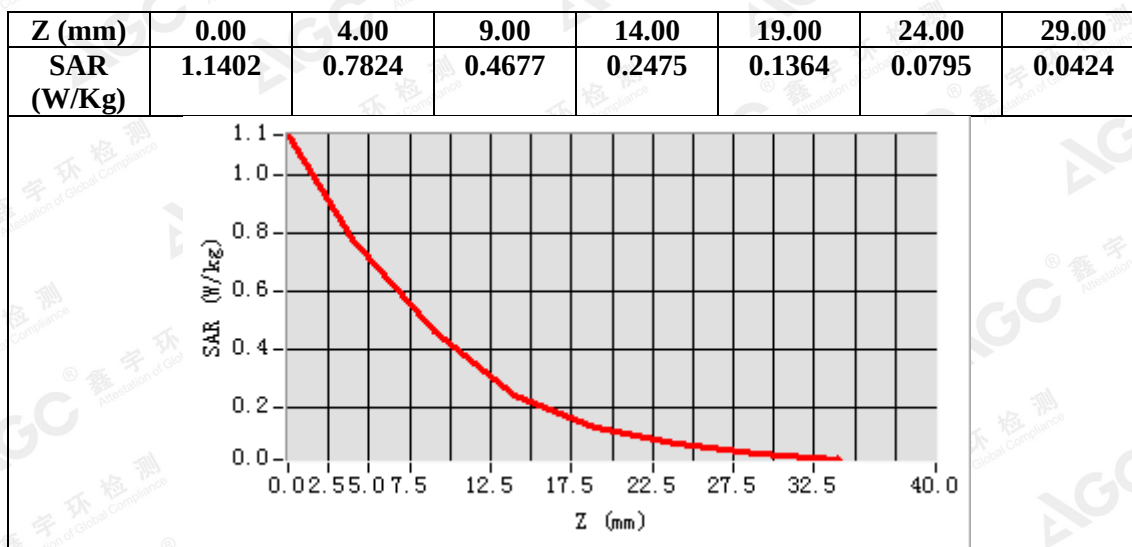


Maximum location: X=13.00, Y=-46.00

SAR Peak: 1.23 W/kg

SAR 10g (W/Kg)	0.373804
SAR 1g (W/Kg)	0.725811

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Test Laboratory: AGC Lab
GPRS 1900 High-Body-Back (4up)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.17,2018

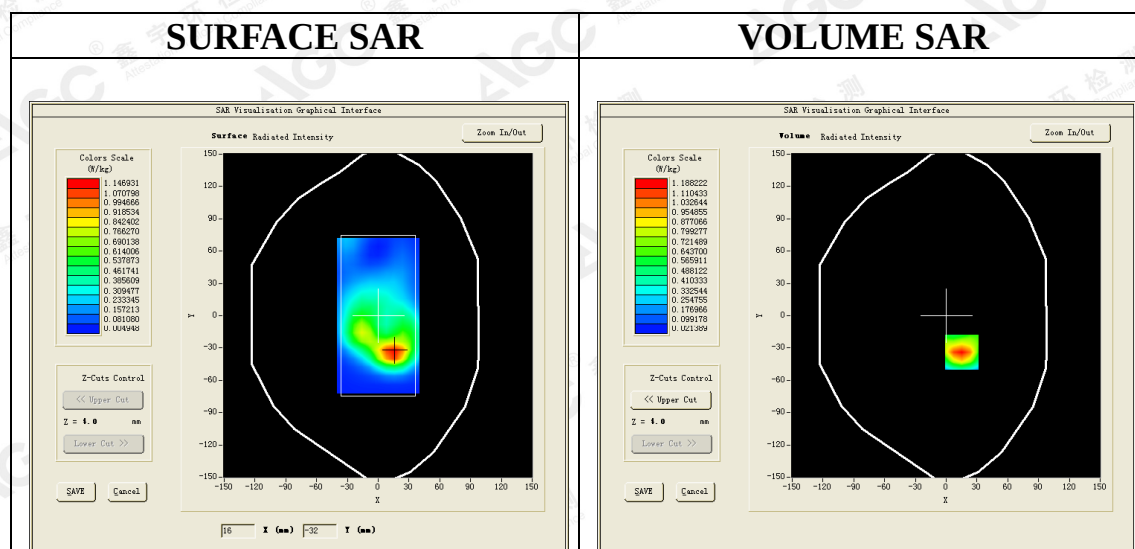
Communication System: GPRS-4Slot; Communication System Band: PCS 1900; Duty Cycle: 1:2.1; Conv.F=2.39;
Frequency: 1909.8 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 52.05$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 22.1, Liquid temperature (°C): 21.6

SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/GPRS1900 High-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GPRS1900 High-Body-Back/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	PCS 1900
Channels	High
Signal	TDMA (Crest factor: 2.0)

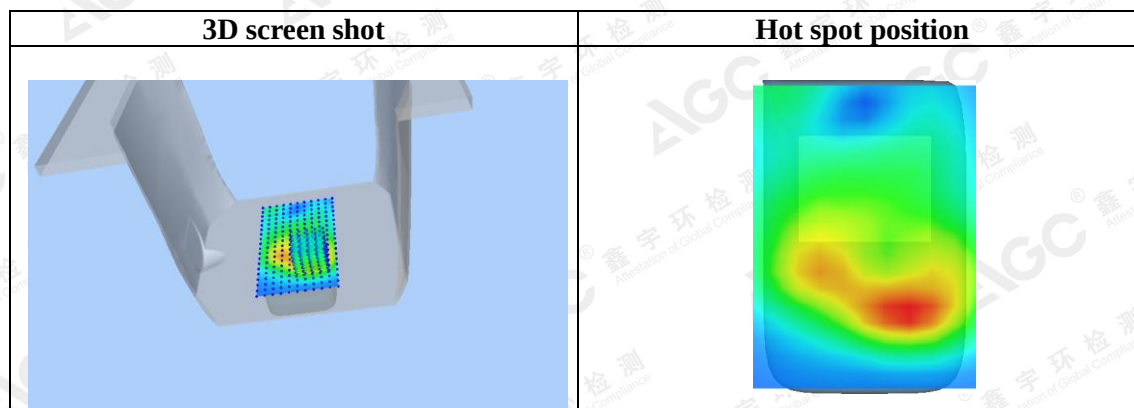
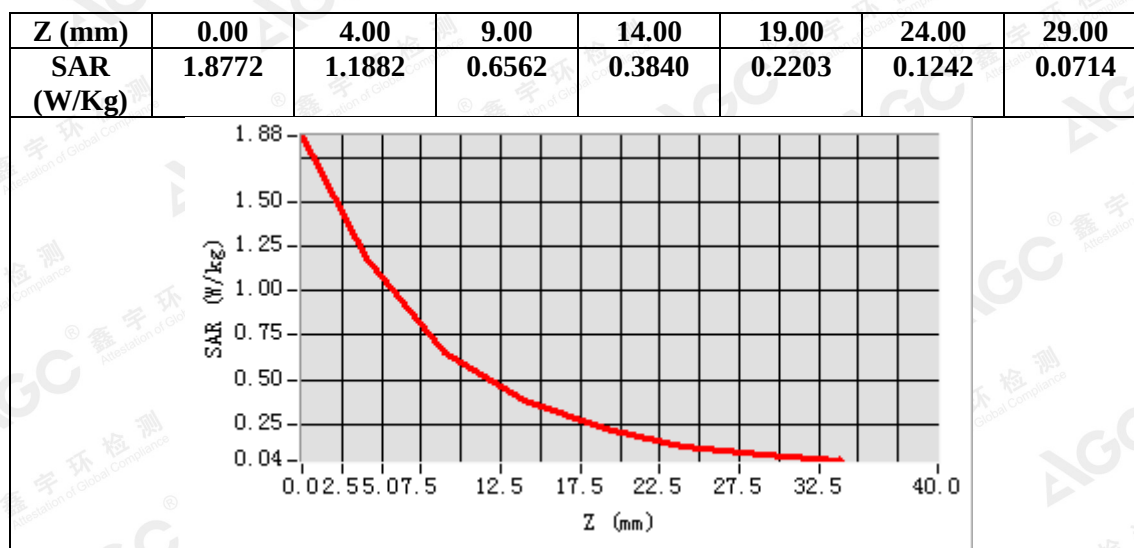


Maximum location: X=15.00, Y=-34.00

SAR Peak: 1.86 W/kg

SAR 10g (W/Kg)	0.572409
SAR 1g (W/Kg)	1.108783

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Test Laboratory: AGC Lab
WCDMA Band II Mid-Touch-Left (RMC)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.17,2018

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=2.32;
Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 40.03$; $\rho = 1000$ kg/m³ ;
Phantom section: Left Section
Ambient temperature (°C): 22.1, Liquid temperature (°C): 21.3

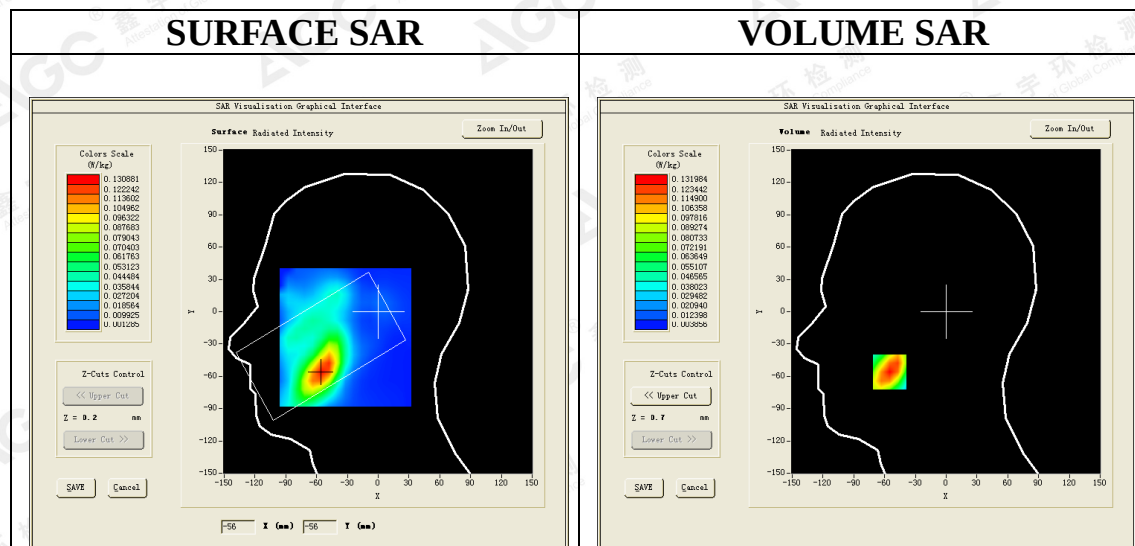
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ WCDMA Band II Mid-Touch-Left/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ WCDMA Band II Mid-Touch-Left/Zoom Scan: Measurement grid:dx=8mm,dy=8mm,dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	WCDMA Band II
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

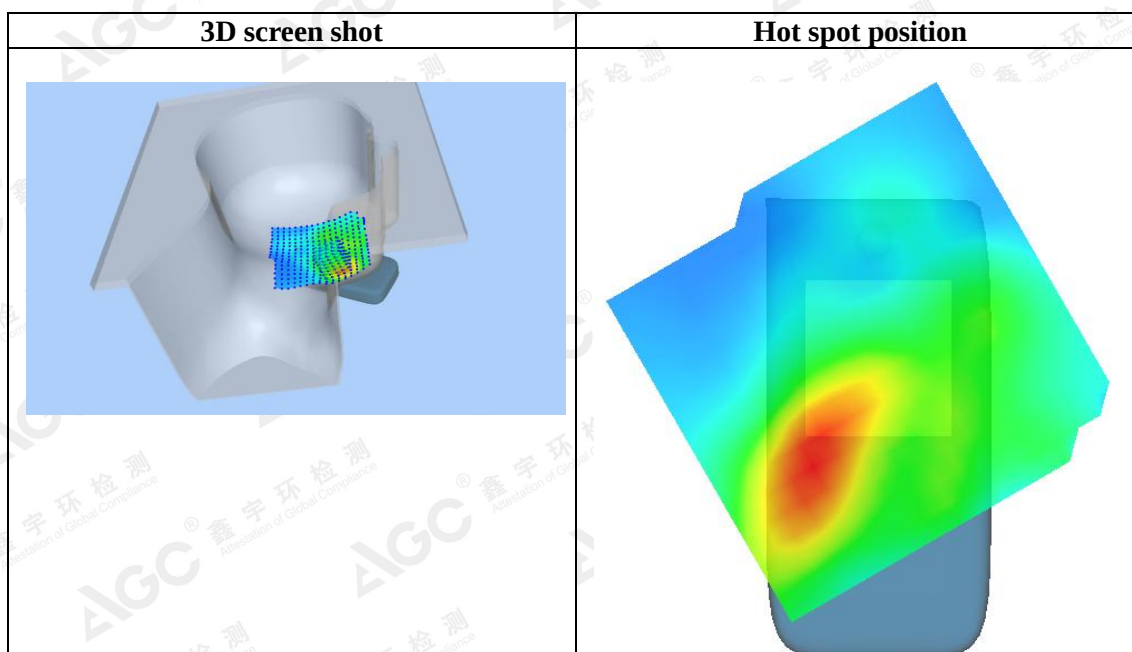
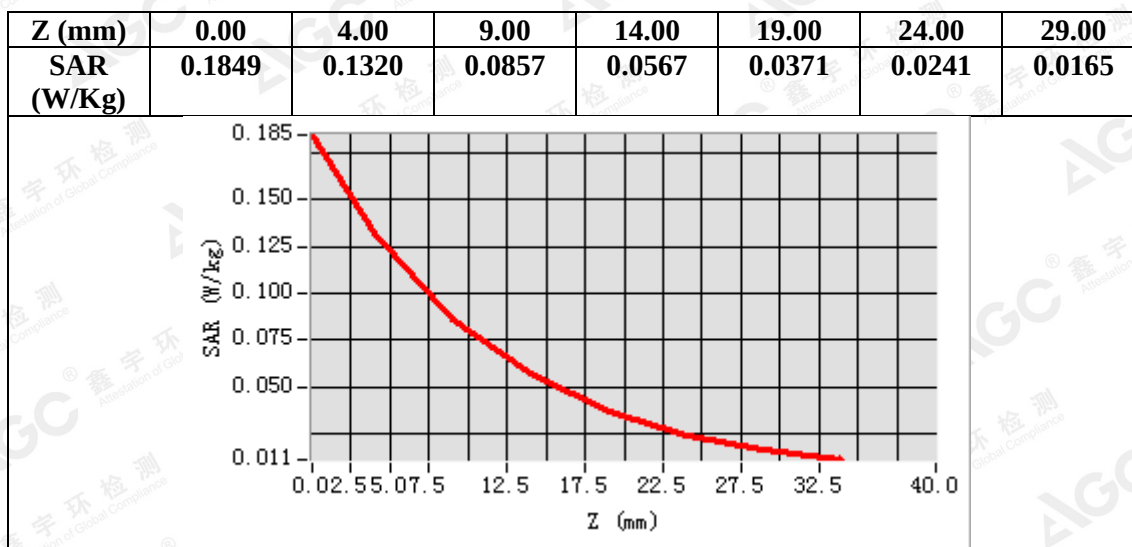


Maximum location: X=-55.00, Y=-56.00

SAR Peak: 0.19 W/kg

SAR 10g (W/Kg)	0.073481
SAR 1g (W/Kg)	0.124558

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Test Laboratory: AGC Lab
WCDMA Band II Low-Body-Towards Phantom (RMC 12.2kbps)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.17,2018

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=2.39;
Frequency: 1852.4 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.22$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 22.1, Liquid temperature (°C): 21.6

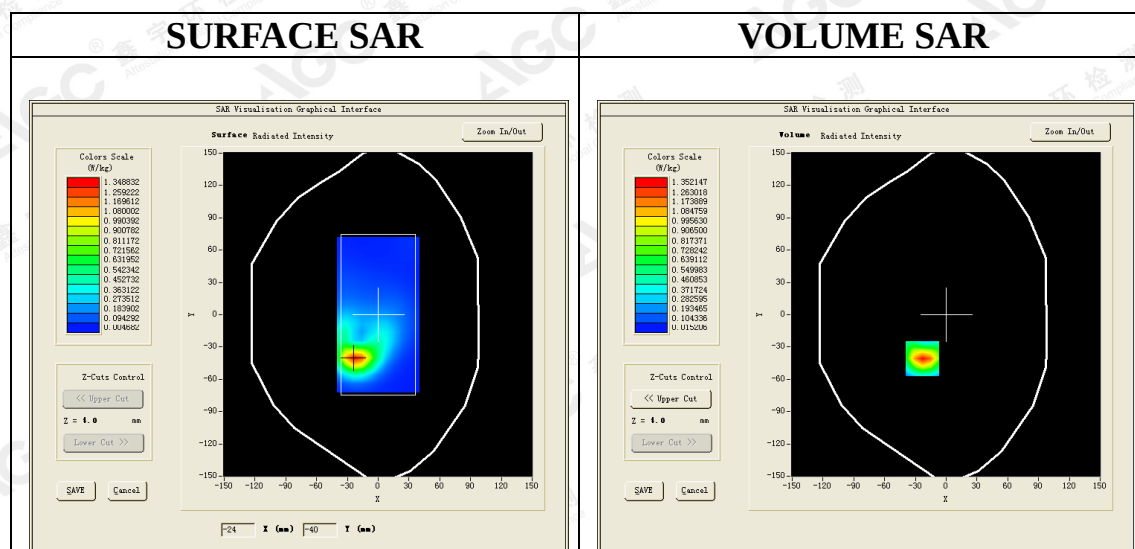
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ WCDMA band II Low-Body-Front/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ WCDMA band II Low-Body-Front/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Front
Band	WCDMA band II
Channels	Low
Signal	CDMA (Crest factor: 1.0)

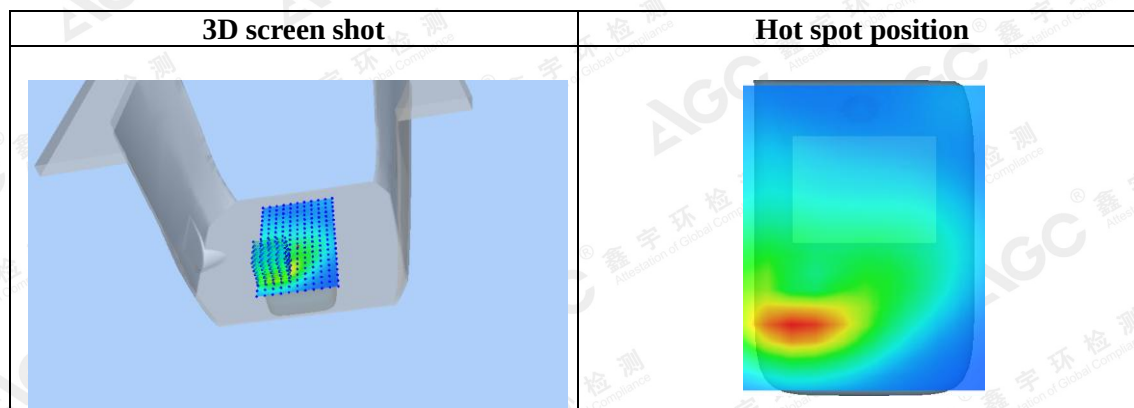
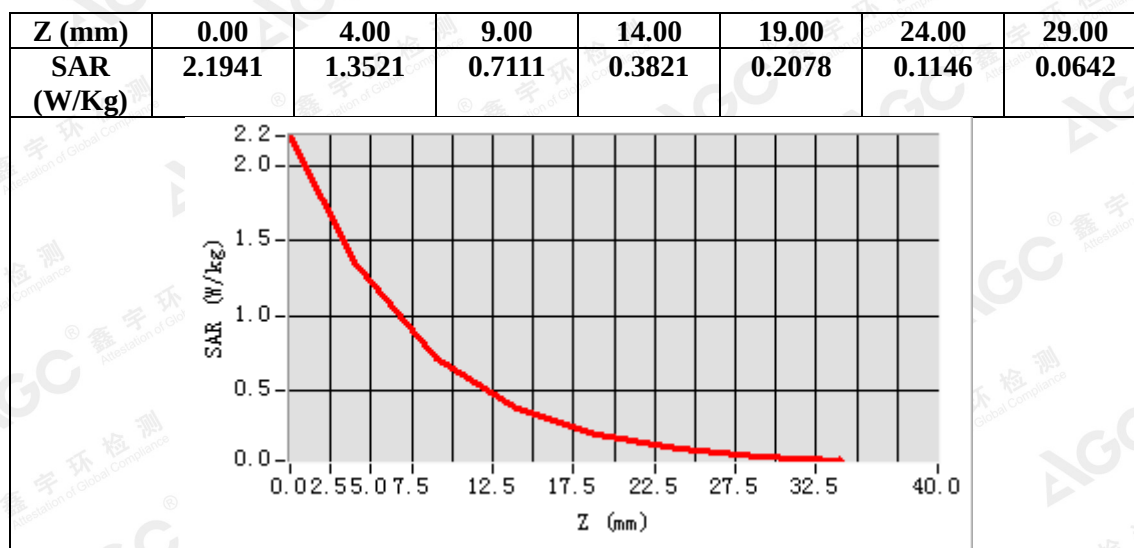


Maximum location: X=-23.00, Y=-41.00

SAR Peak: 2.18 W/kg

SAR 10g (W/Kg)	0.601826
SAR 1g (W/Kg)	1.243506

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Test Laboratory: AGC Lab
WCDMA Band IV Mid-Touch-Left (RMC)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.23 ,2018

Communication System: UMTS; Communication System Band: BAND IV UTRA/FDD; Duty Cycle:1: 1; Conv.F=1.99;
Frequency:1732.5 MHz; Medium parameters used: $f=1750$ MHz; $\sigma=1.36$ mho/m; $\epsilon_r=40.71$; $\rho=1000$ kg/m³ ;
Phantom section: Left Section
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.5

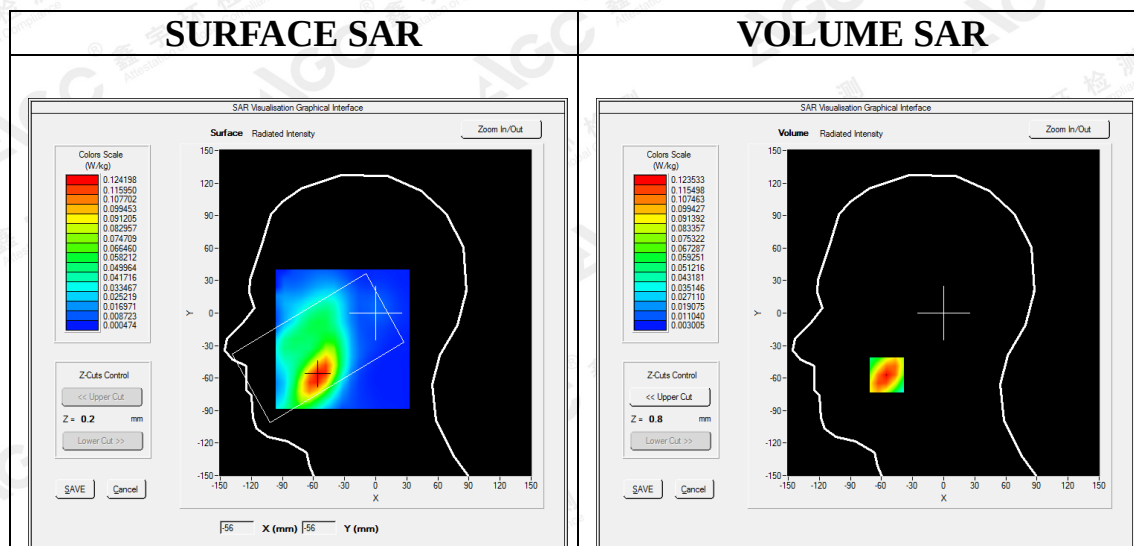
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ WCDMA Band IV Mid-Touch-Left/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ WCDMA Band IV Mid-Touch-Left/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Area Scan	sam_direct droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	WCDMA Band IV
Channels	Middle
Signal	CDMA (Crest factor: 1.0)



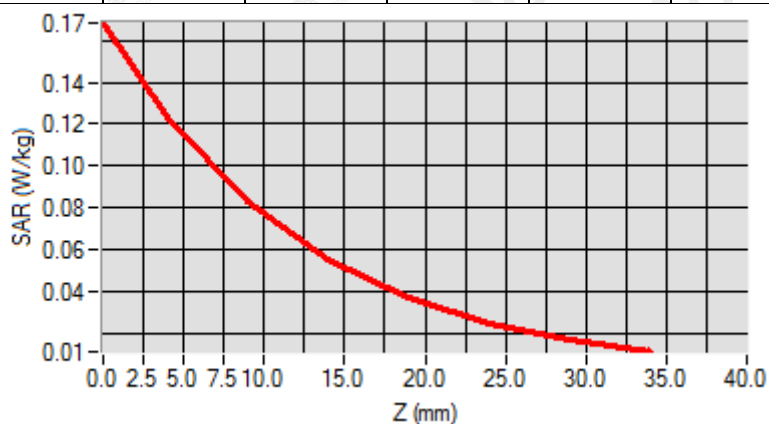
Maximum location: X=-55.00, Y=-57.00

SAR Peak: 0.17 W/kg

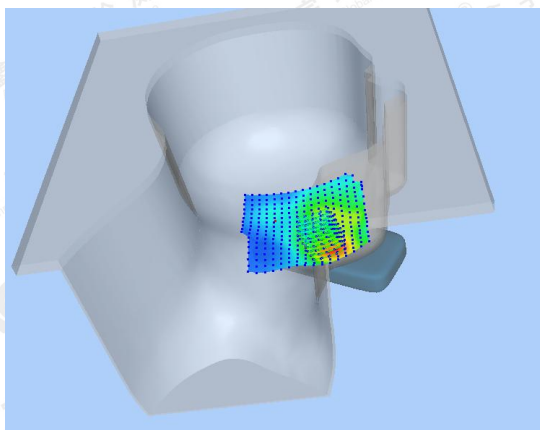
SAR 10g (W/Kg)	0.071761
SAR 1g (W/Kg)	0.117426

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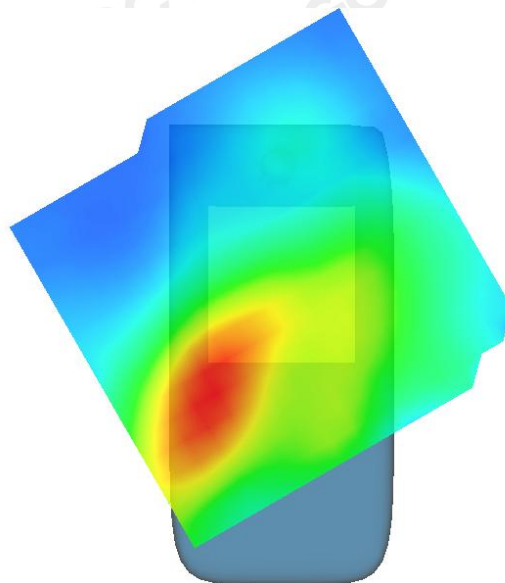
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1683	0.1235	0.0829	0.0553	0.0373	0.0250	0.0174



3D screen shot



Hot spot position



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Test Laboratory: AGC Lab
WCDMA Band IV High-Body-Towards Phantom (RMC 12.2kbps)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.21,2018

Communication System: UMTS; Communication System Band: BAND IV UTRA/FDD; Duty Cycle:1: 1; Conv.F=2.05;
Frequency:1752.5 MHz; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 53.02$; $\rho = 1000$ kg/m³;
Phantom section: Flat Section
Ambient temperature (°C): 22.3, Liquid temperature (°C): 21.9

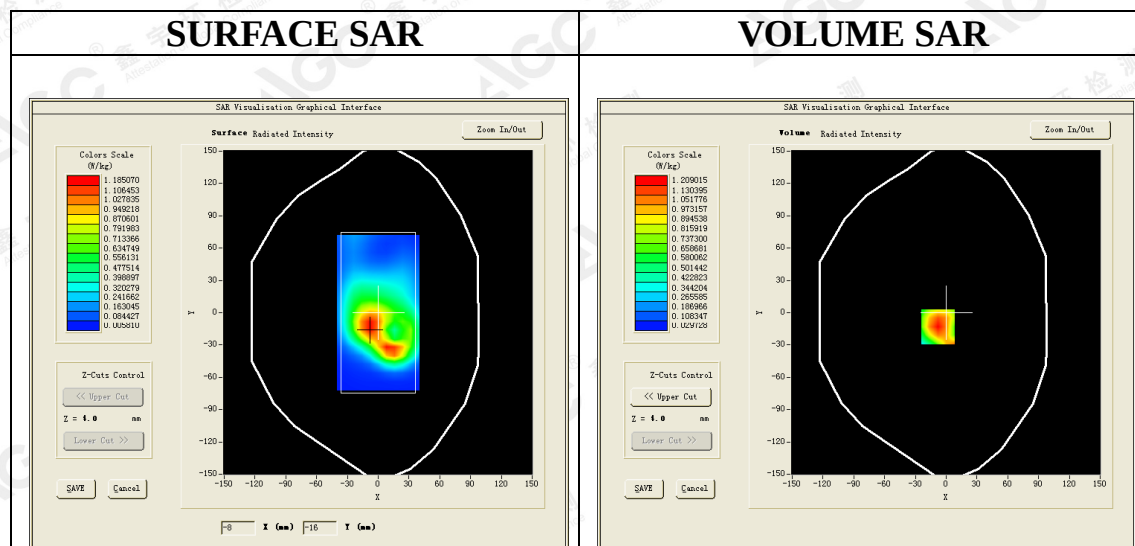
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ WCDMA Band IV High-Body-Front/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ WCDMA Band IV High-Body-Front/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Front
Band	WCDMA Band IV
Channels	High
Signal	CDMA (Crest factor: 1.0)

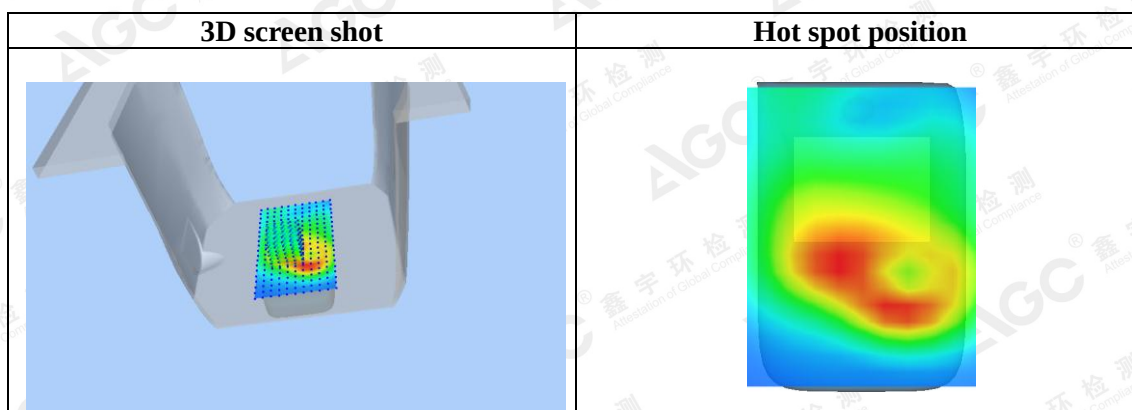
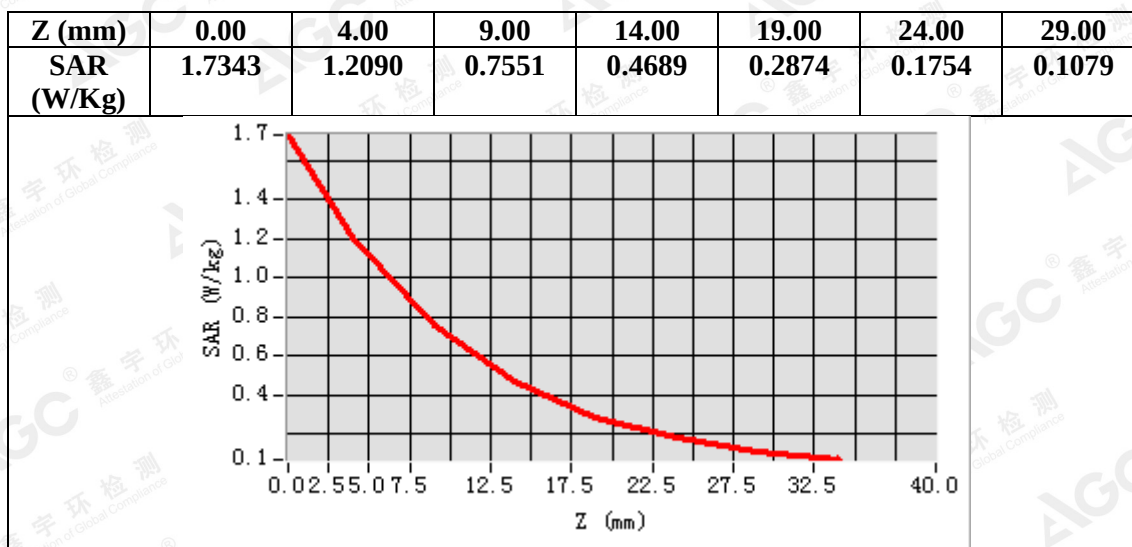


Maximum location: X=-8.00, Y=-13.00

SAR Peak: 1.75 W/kg

SAR 10g (W/Kg)	0.673775
SAR 1g (W/Kg)	1.148454

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Test Laboratory: AGC Lab

Date: Jun. 15,2018

WCDMA Band V Mid-Touch-Right (RMC)

DUT: Mobile Phone ; Type: ETHOS

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD ; Duty Cycle:1: 1; Conv.F=1.74;
Frequency: 836.6 MHz; Medium parameters used: $f = 835\text{MHz}$; $\sigma = 0.90 \text{ mho/m}$; $\epsilon_r = 40.73$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Right Section
Ambient temperature ($^{\circ}\text{C}$): 22.4, Liquid temperature ($^{\circ}\text{C}$): 21.5

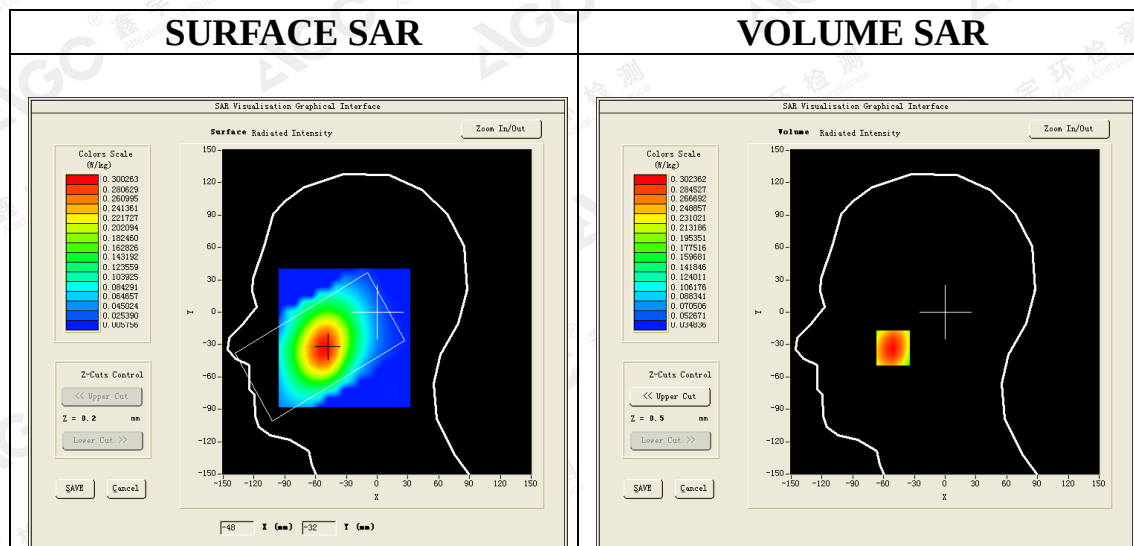
SATIMO Configuration:

- Probe: SSE5; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ WCDMA Band V Mid-Touch-Right/Area Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$

Configuration/ WCDMA Band V Mid-Touch-Right/Zoom Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	WCDMA Band V
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

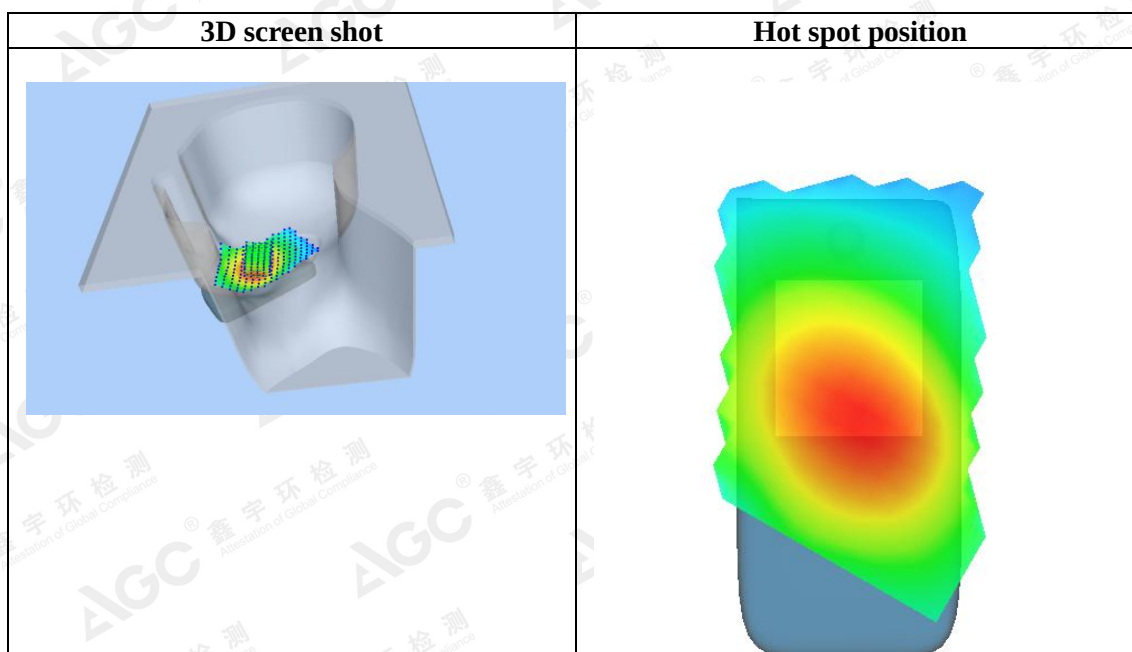
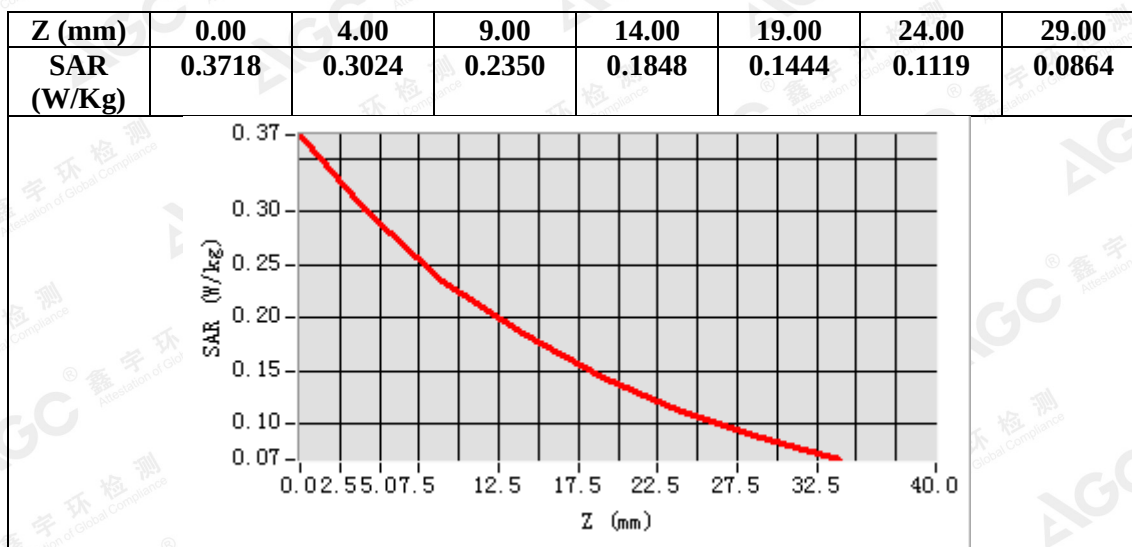


Maximum location: X=-51.00, Y=-33.00

SAR Peak: 0.37 W/kg

SAR 10g (W/Kg)	0.215477
SAR 1g (W/Kg)	0.292606

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Test Laboratory: AGC Lab

Date: Jun.15,2018

WCDMA Band V Mid-Body-Towards Grounds (RMC)

DUT: Mobile Phone ; Type: ETHOS

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD; Duty Cycle:1: 1; Conv.F=1.81;
Frequency: 836.6MHz; Medium parameters used: $f = 835\text{MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 54.58$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section
Ambient temperature ($^{\circ}\text{C}$): 22.4, Liquid temperature ($^{\circ}\text{C}$): 21.9

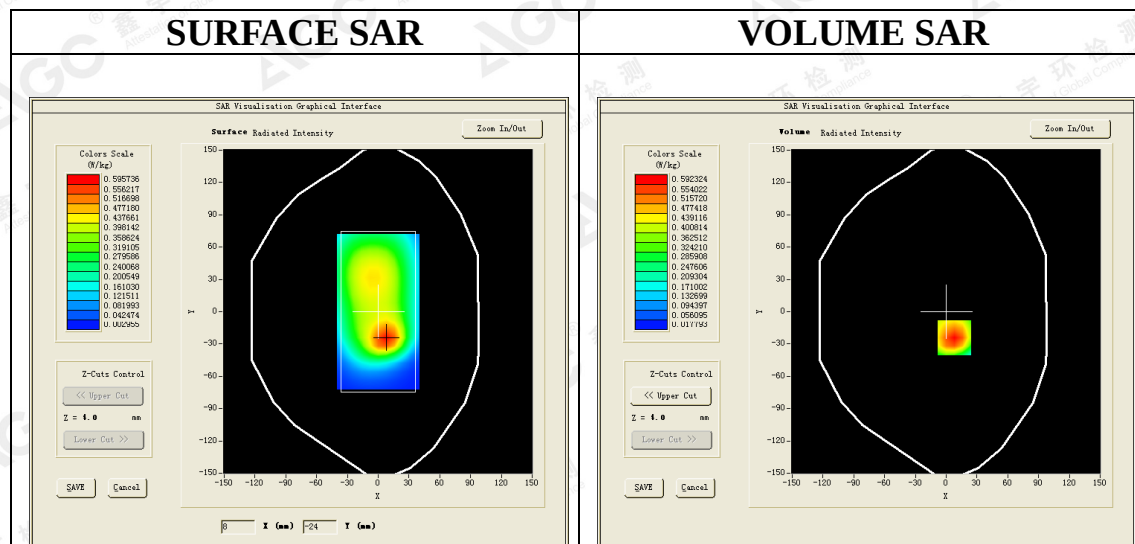
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPG0282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ WCDMA Band V Mid-Body-Back/Area Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$

Configuration/ WCDMA Band V Mid-Body-Back/Zoom Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$;

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	5x5x7, $dx=8\text{mm}$ $dy=8\text{mm}$ $dz=5\text{mm}$, Complete
Phantom	Validation plane
Device Position	Body Back
Band	WCDMA Band V
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

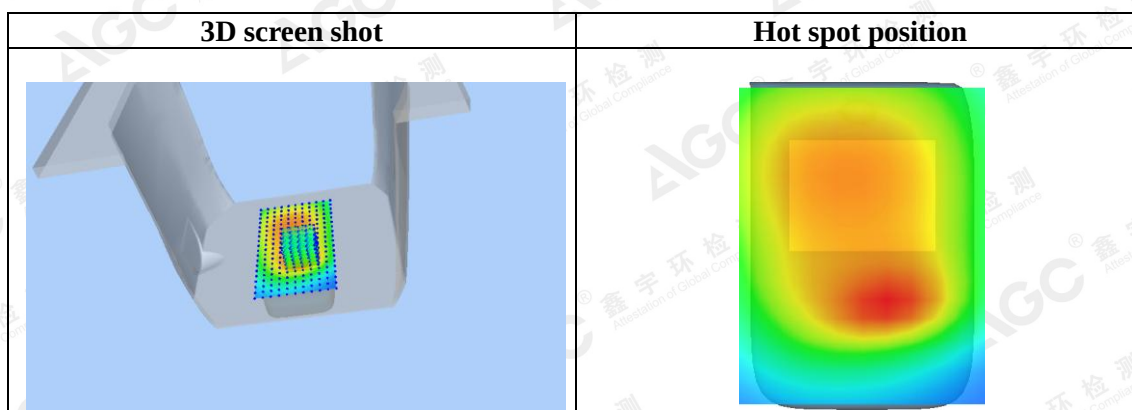
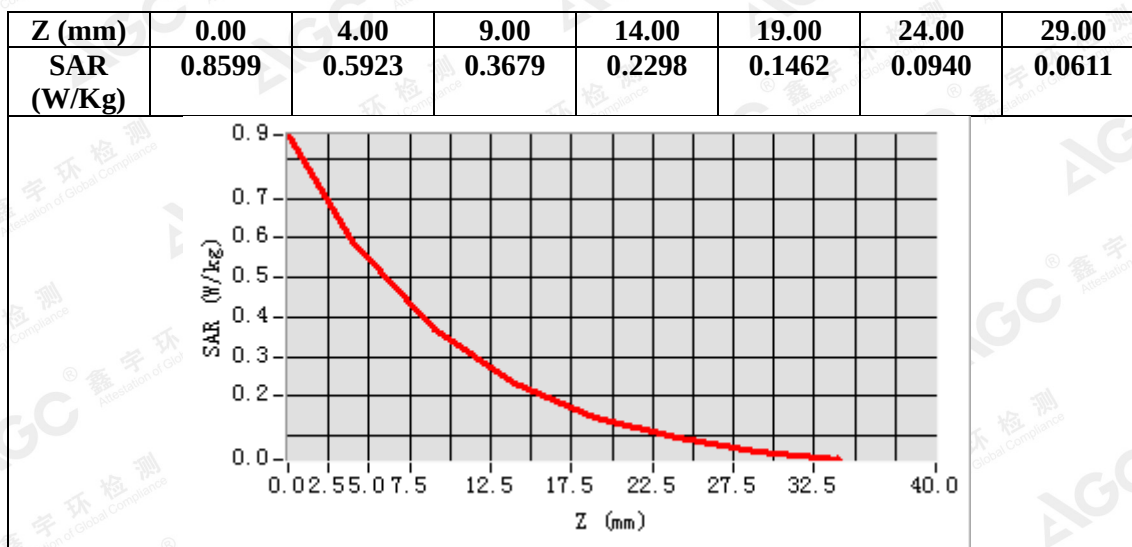


Maximum location: X=8.00, Y=-24.00

SAR Peak: 0.89 W/kg

SAR 10g (W/Kg)	0.337701
SAR 1g (W/Kg)	0.568795

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Test Laboratory: AGC Lab
LTE Band 2 Mid-Touch-Left (1 RB#0)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.25,2018

Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=2.32;
Frequency:1880MHz; Medium parameters used: $f=1900$ MHz; $\sigma=1.38$ mho/m; $\epsilon_r=40.67$; $\rho=1000$ kg/m³ ;
Phantom section: Left Section
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.2

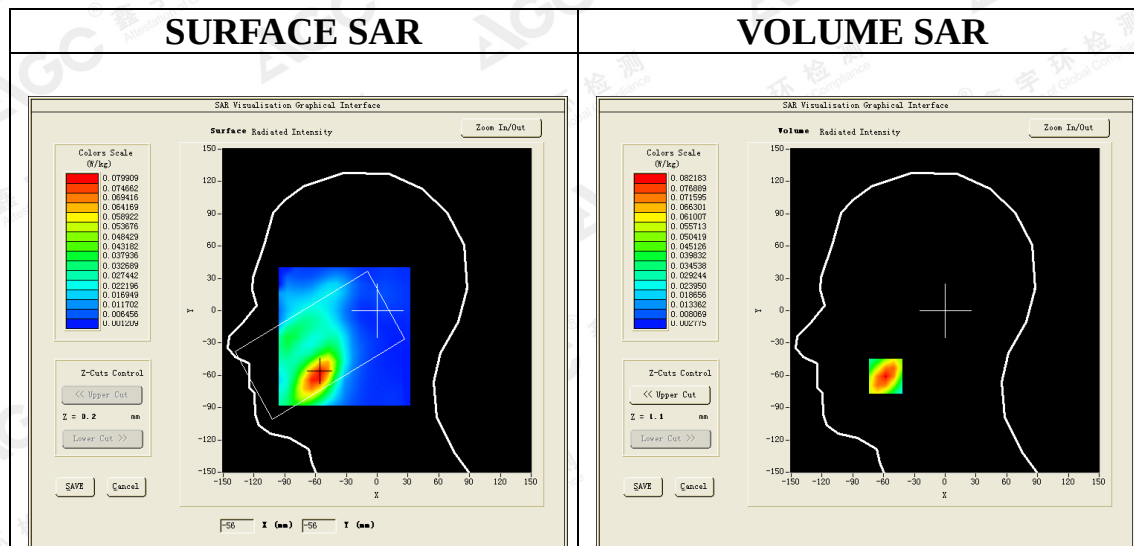
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE Band 2 Mid- Touch-Left /Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band 2 Mid- Touch-Left /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 2
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

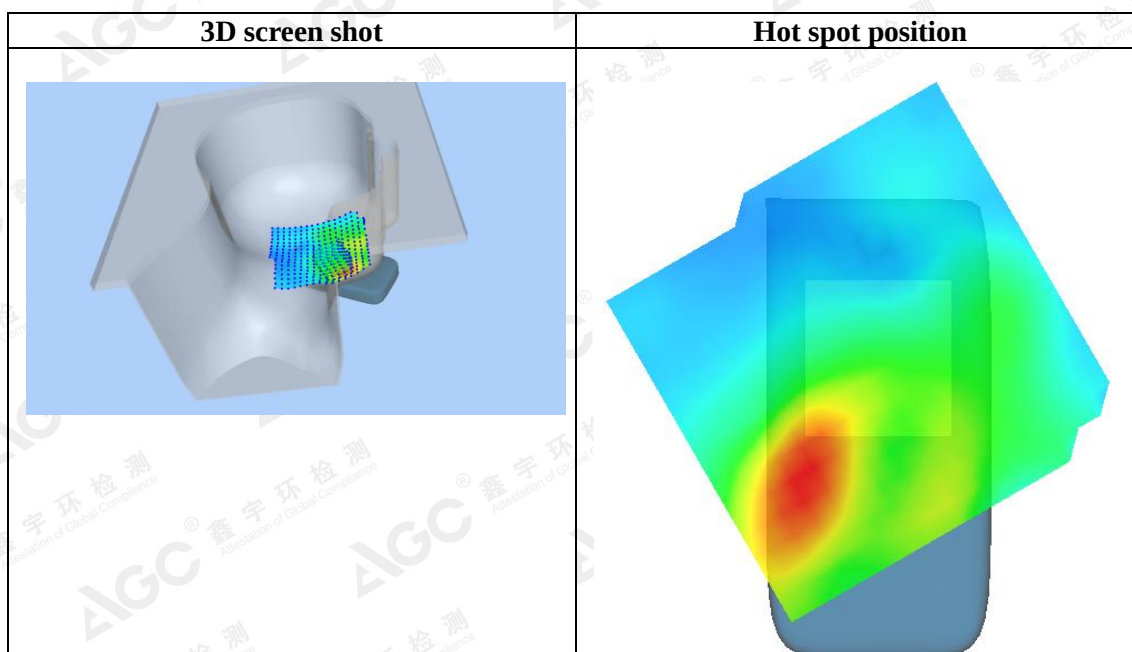
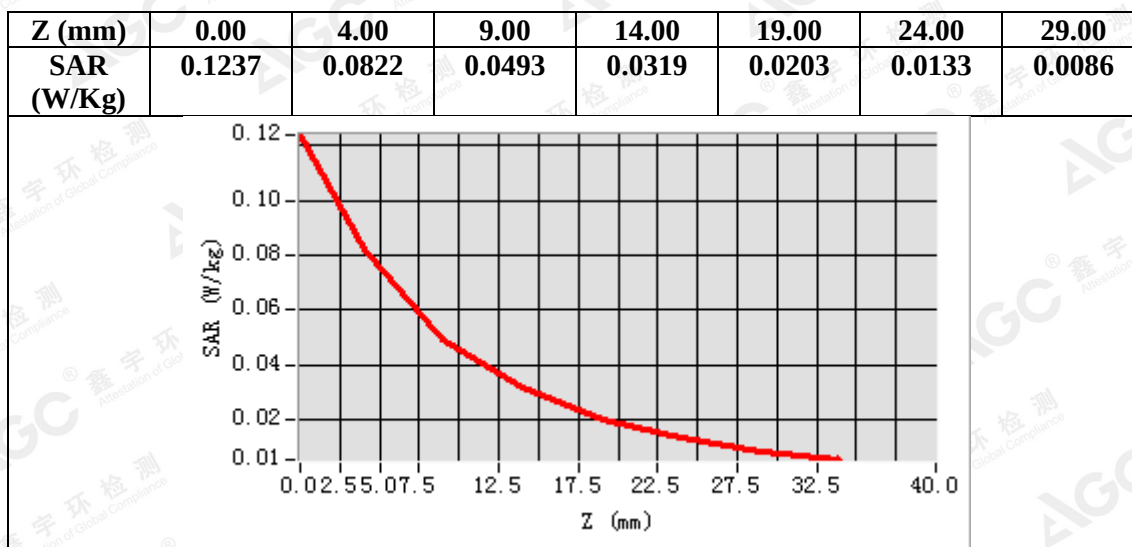


Maximum location: X=-58.00, Y=-61.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.044128
SAR 1g (W/Kg)	0.077914

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Test Laboratory: AGC Lab
LTE Band 2 Mid-Body-Front (1 RB#0)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.25,2018

Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=2.39;
Frequency:1880MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.74$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21.8, Liquid temperature (°C): 21.5

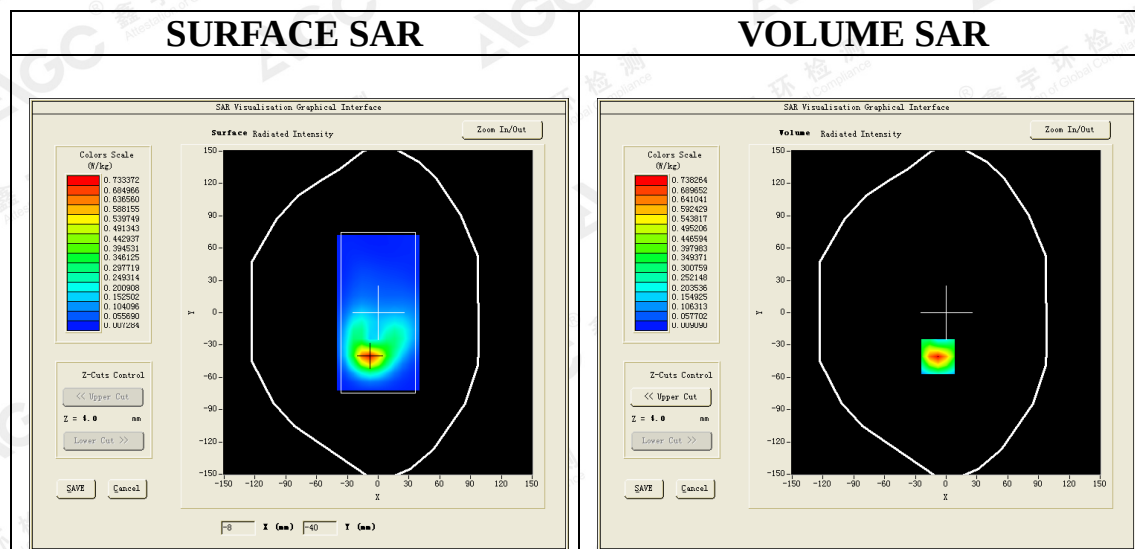
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE Band 2 Mid-Body-Front/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band 2 Mid-Body-Front/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Front
Band	LTE Band 2
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

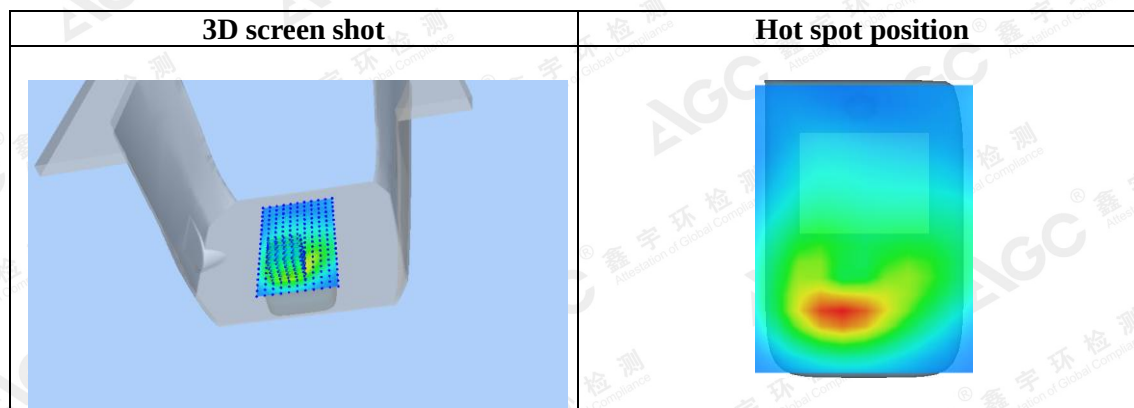
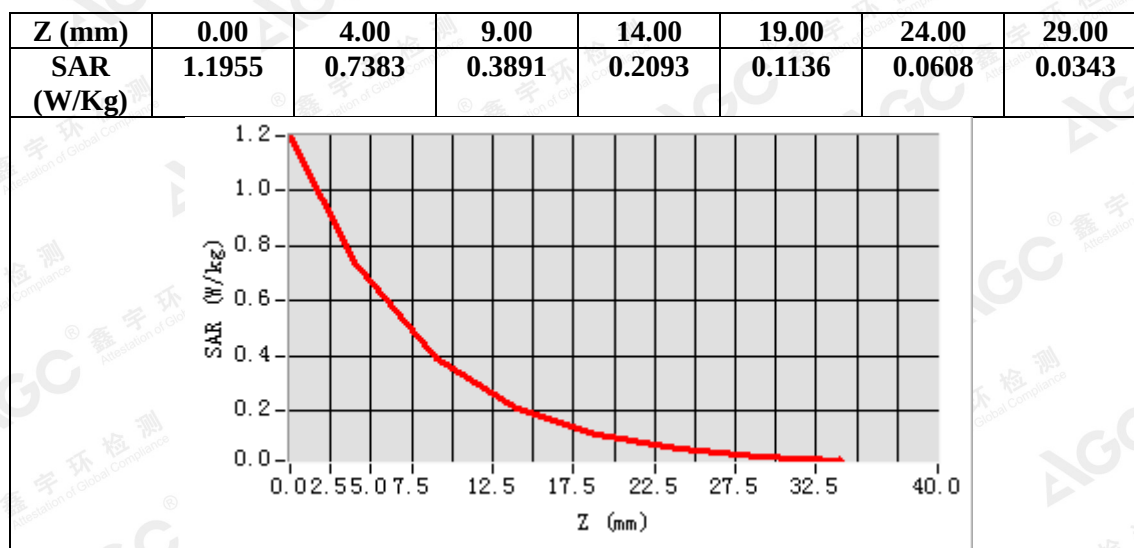


Maximum location: X=-8.00, Y=-41.00

SAR Peak: 1.20 W/kg

SAR 10g (W/Kg)	0.327888
SAR 1g (W/Kg)	0.680196

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Test Laboratory: AGC Lab
LTE Band 4 Mid-Touch-Right (1 RB#0)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun. 23,2018

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=1.99;
Frequency:1732.5 MHz; Medium parameters used: $f=1750$ MHz; $\sigma=1.36$ mho/m; $\epsilon_r=40.71$; $\rho=1000$ kg/m³ ;
Phantom section: Right Section
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.6

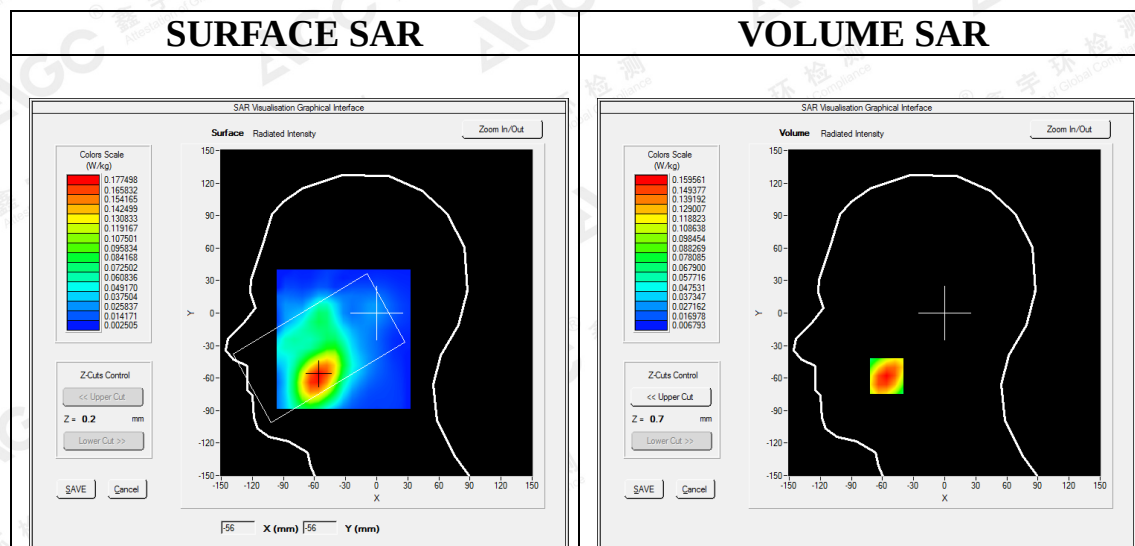
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 4 Mid-Touch-Right /Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band 4 Mid-Touch-Right /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 4
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

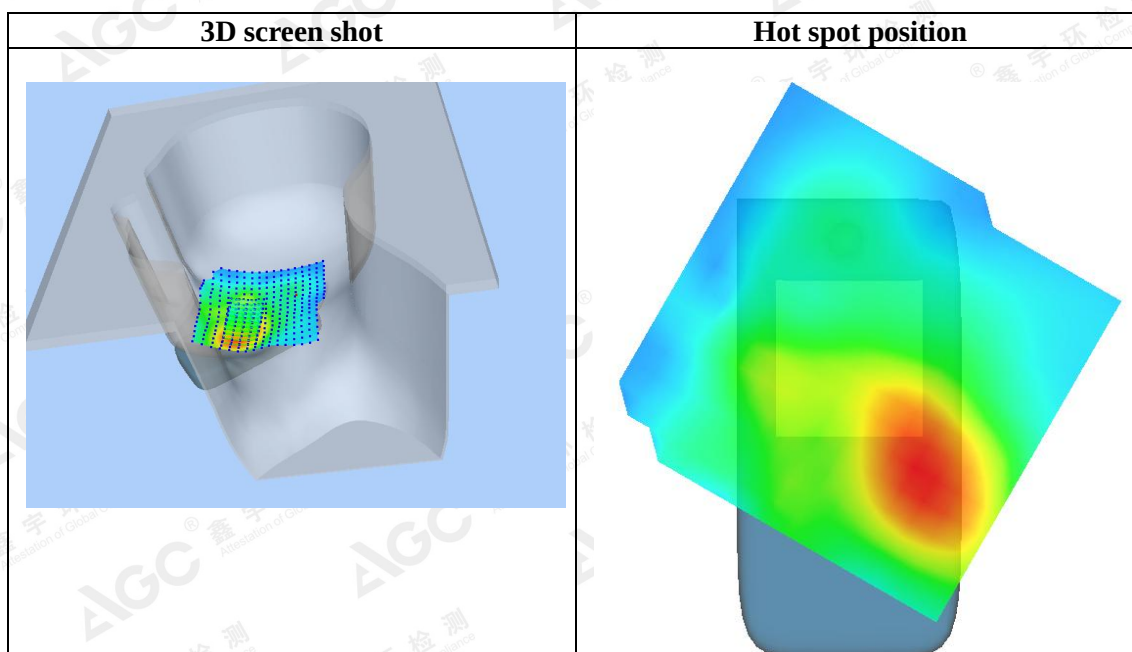
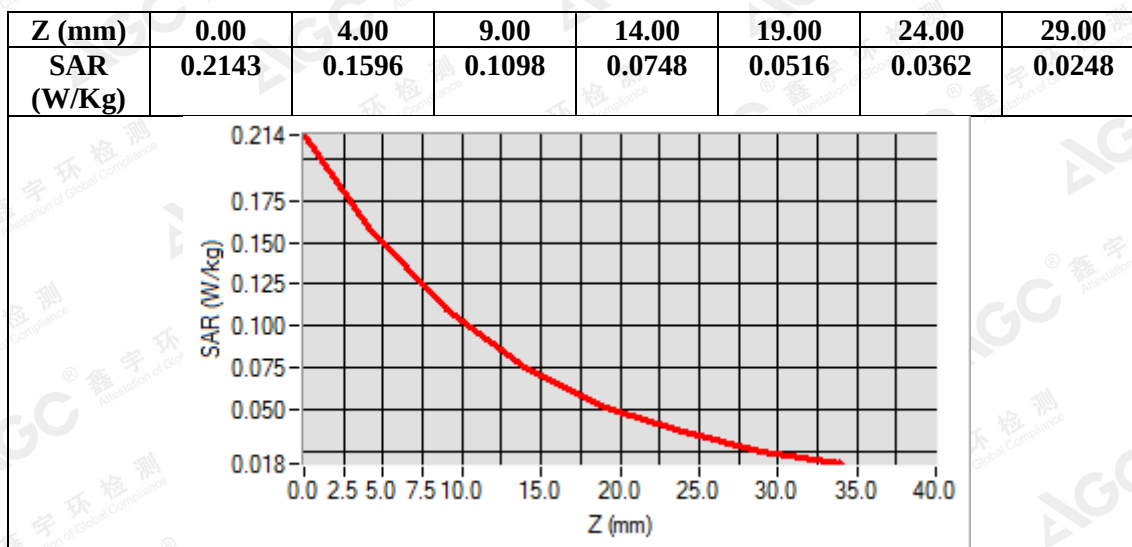


Maximum location: X=-56.00, Y=-58.00

SAR Peak: 0.22 W/kg

SAR 10g (W/Kg)	0.097449
SAR 1g (W/Kg)	0.152846

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Test Laboratory: AGC Lab
LTE Band 4 High-Body-Front (1 RB#0)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.21 ,2018

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=2.05;
Frequency:1745 MHz; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 54.22$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 22.3, Liquid temperature (°C):21.7

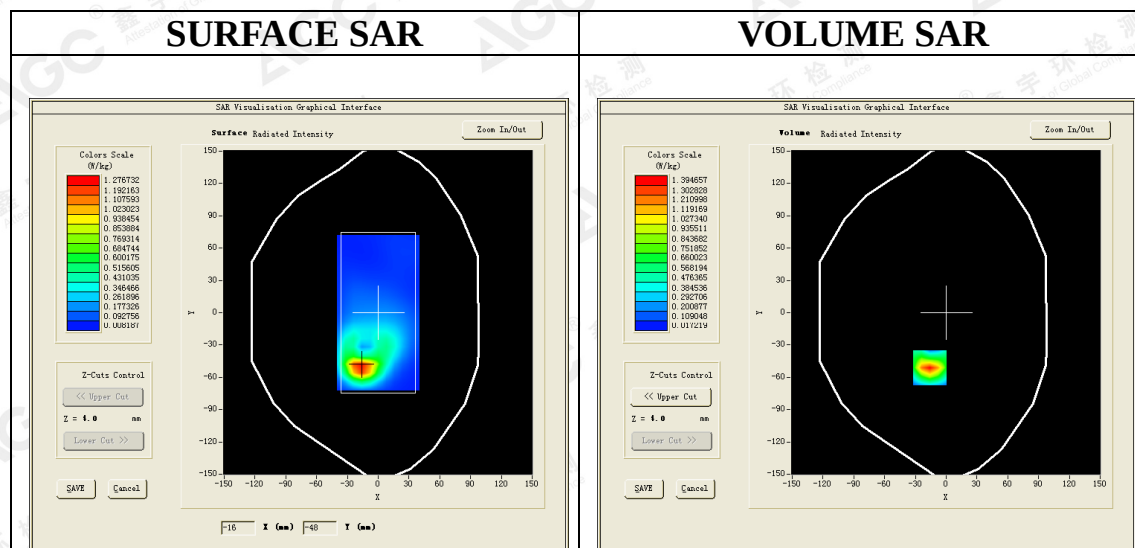
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE Band 4 High-Body-Front/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band 4 High-Body-Front/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Front
Band	LTE Band 4
Channels	High
Signal	OFDM (Crest factor: 1.0)

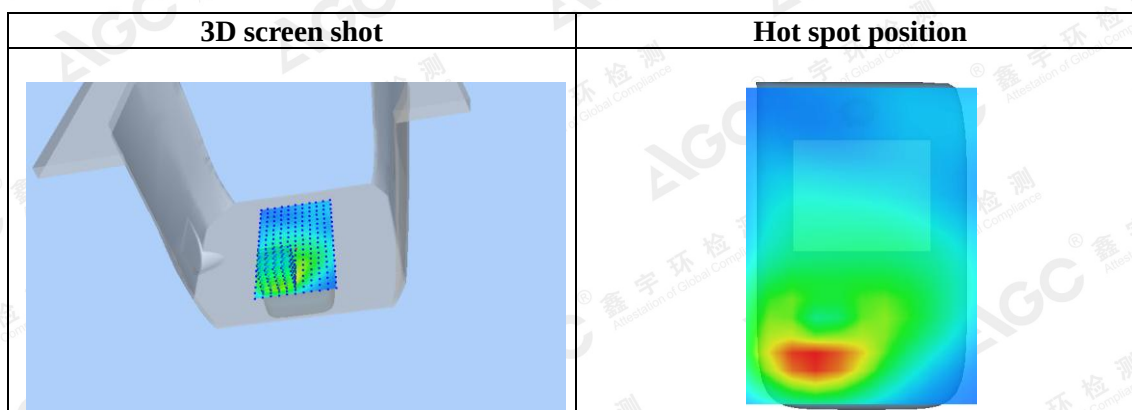
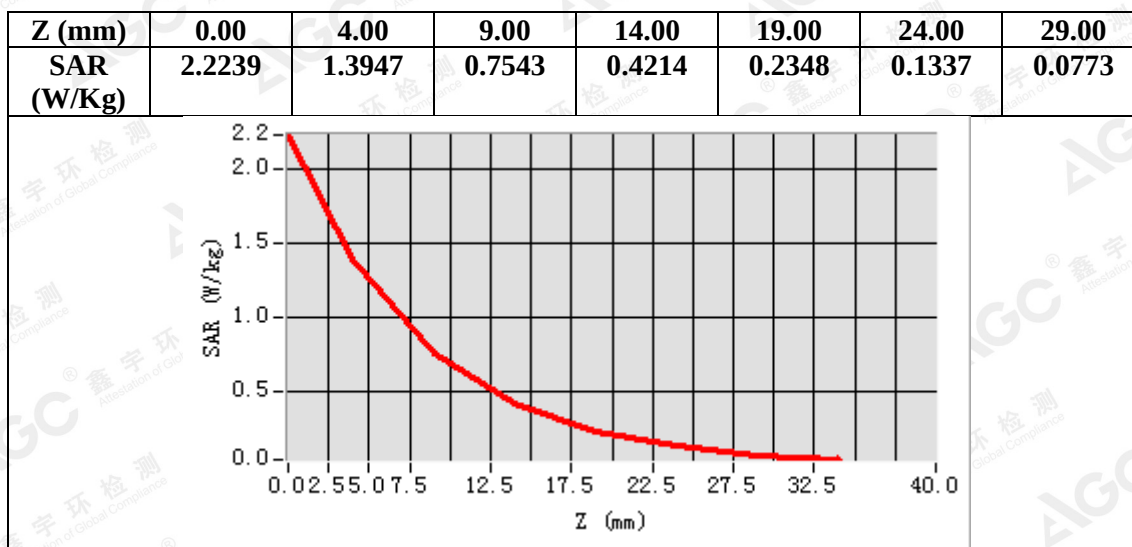


Maximum location: X=-16.00, Y=-51.00

SAR Peak: 2.21 W/kg

SAR 10g (W/Kg)	0.603680
SAR 1g (W/Kg)	1.262951

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Test Laboratory: AGC Lab
LTE Band 5 Mid-Touch-Right (1 RB#0)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.19,2018

Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1; Conv.F=1.74
Frequency: 836.5 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 40.95$; $\rho = 1000$ kg/m³ ;
Phantom section: Right Section
Ambient temperature (°C): 23.3, Liquid temperature (°C): 22.5

SATIMO Configuration:

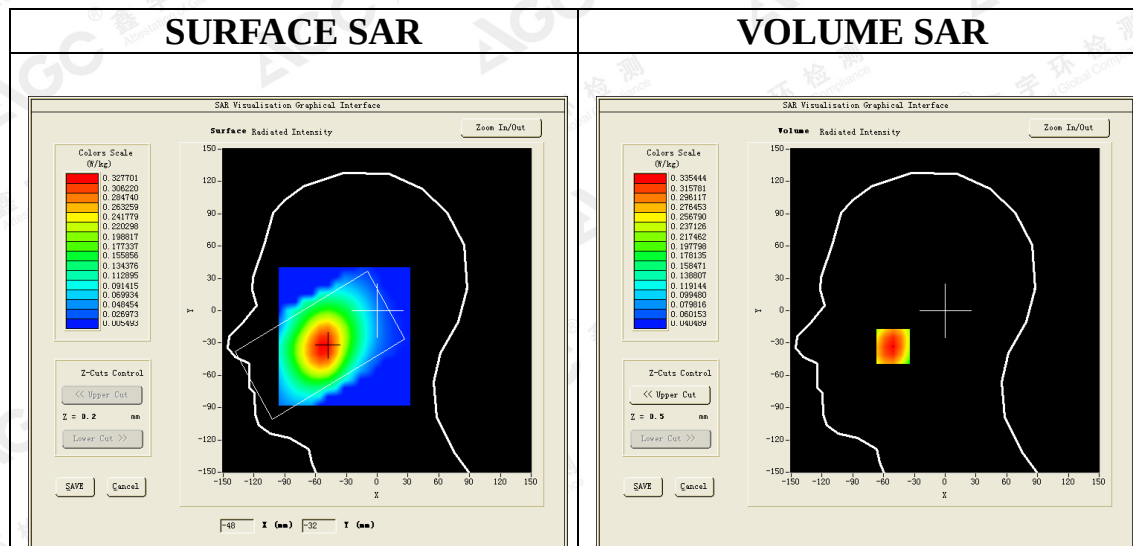
Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE Band 5 Mid- Touch-Right /Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band 5 Mid- Touch-Right /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 5
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

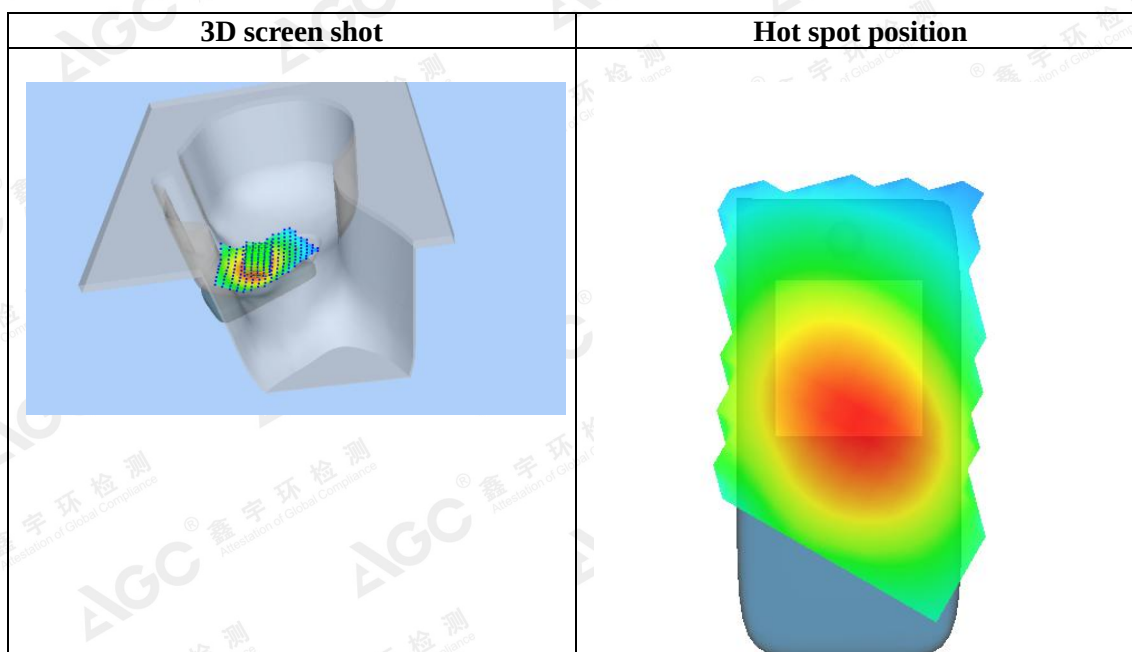
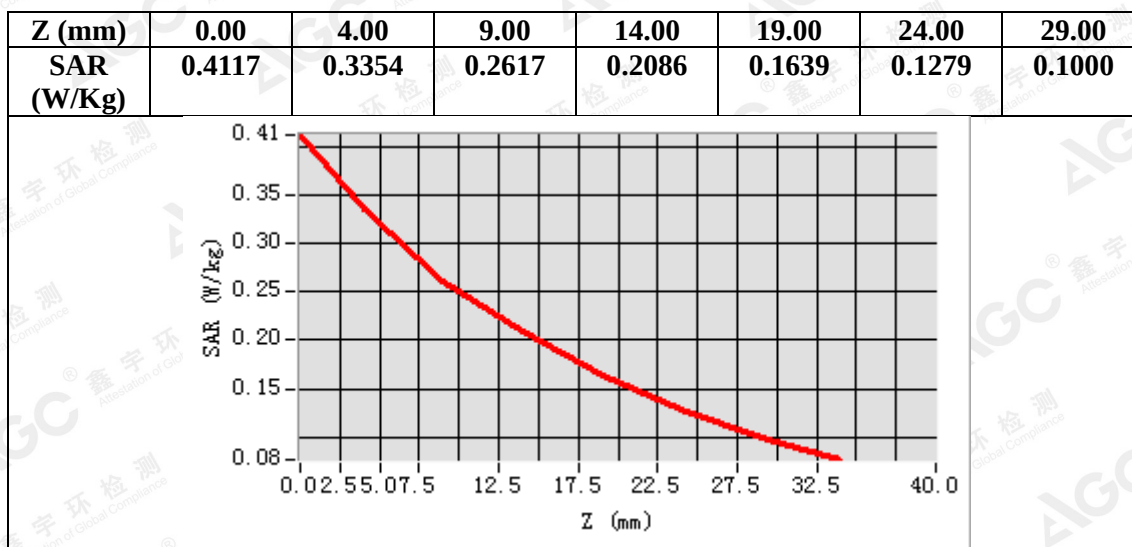


Maximum location: X=-51.00, Y=-33.00

SAR Peak: 0.41 W/kg

SAR 10g (W/Kg)	0.239087
SAR 1g (W/Kg)	0.324769

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Test Laboratory: AGC Lab
LTE Band 5 Mid-Body-Back (1 RB#0)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.19,2018

Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1; Conv.F=1.81
Frequency:836.5 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.64$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 23.3, Liquid temperature (°C): 22.8

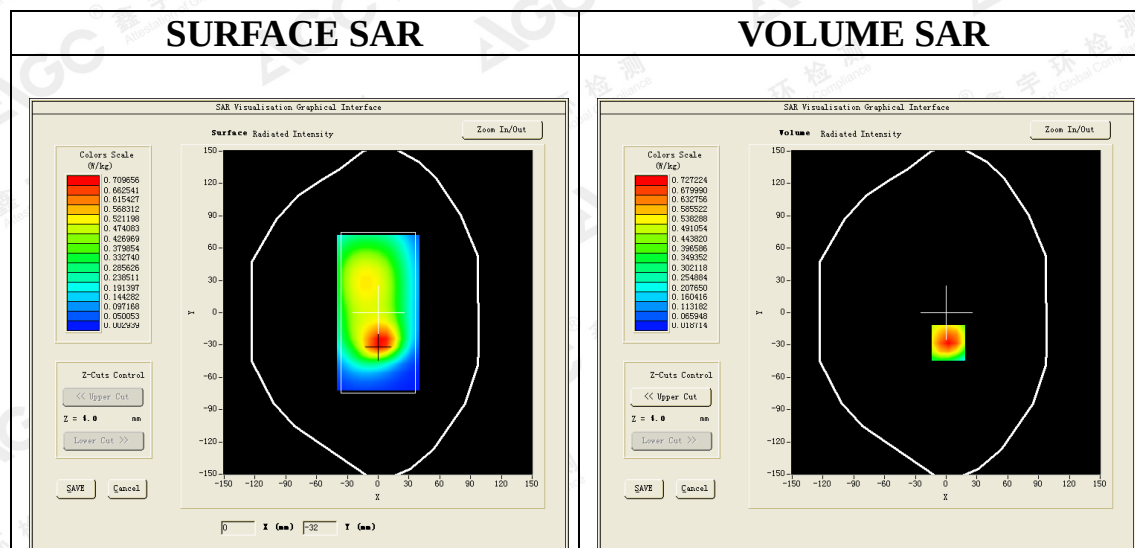
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE Band 5 Mid-Body-back/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band 5 Mid-Body-back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 5
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

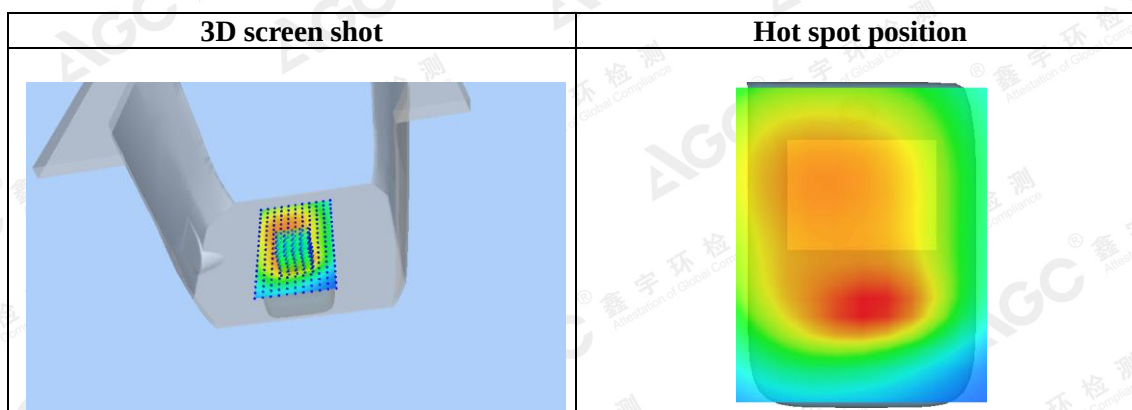
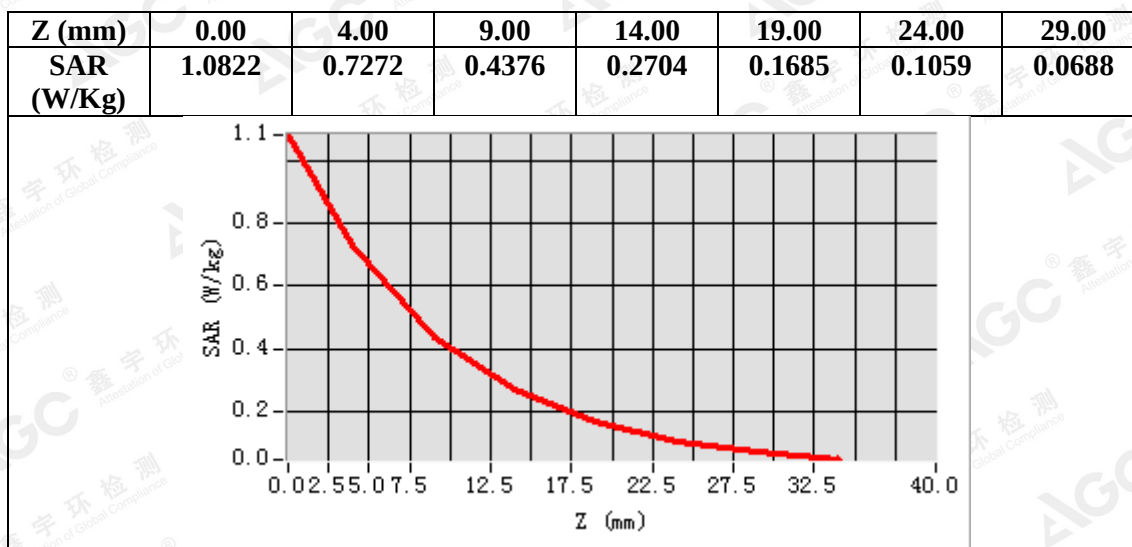


Maximum location: X=2.00, Y=-28.00

SAR Peak: 1.08 W/kg

SAR 10g (W/Kg)	0.409615
SAR 1g (W/Kg)	0.692477

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Test Laboratory: AGC Lab
LTE Band 7 Mid-Touch-Left (1RB#0)
DUT: Mobile Phone ; **Type:**ETHOS

Date: Jun.28,2018

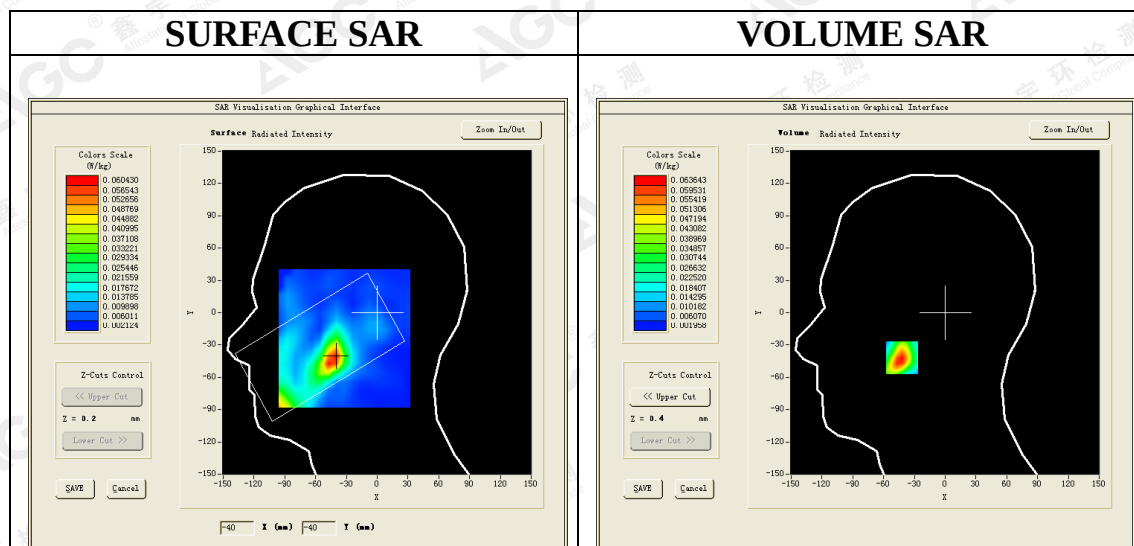
Communication System: LTE; Communication System Band: LTE Band 7; Duty Cycle:1:1; Conv.F=2.4
Frequency: 2535MHz; Medium parameters used: $f = 2600$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³ ;
Phantom section: Left Section
Ambient temperature (°C): 21.5, Liquid temperature (°C): 22.1

SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE BAND 7 Mid-Touch-Left/Area Scan: Measurement grid: dx=8mm, y=8mm
Configuration/ LTE BAND 7 Mid-Touch-Left/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Area Scan	sam_direct droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE BAND 7
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

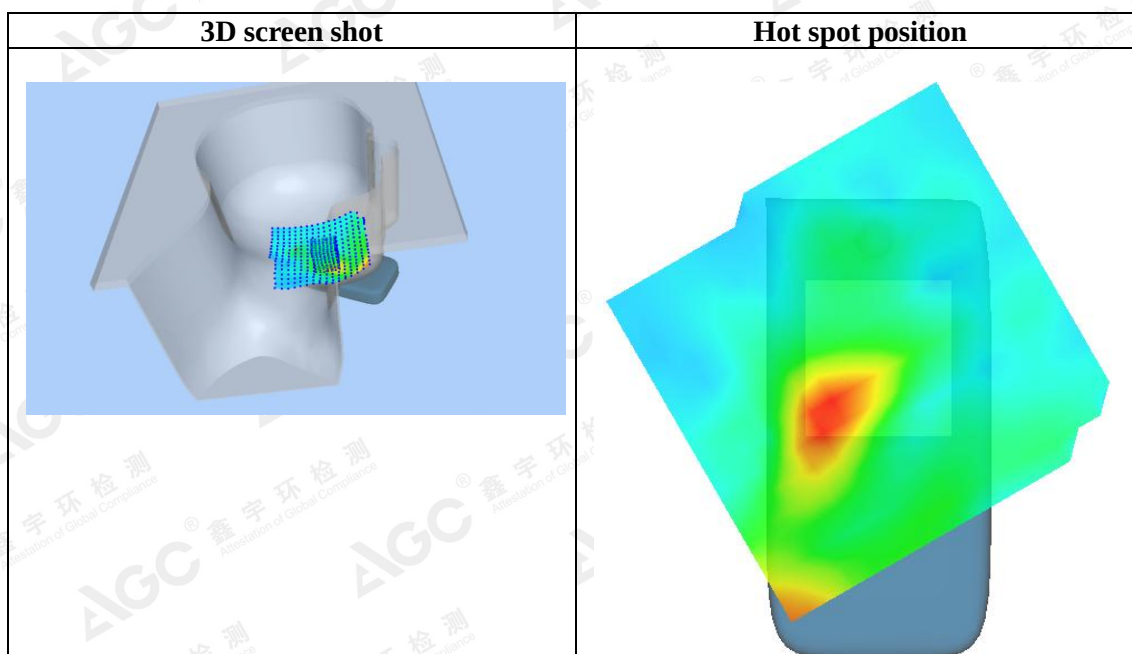
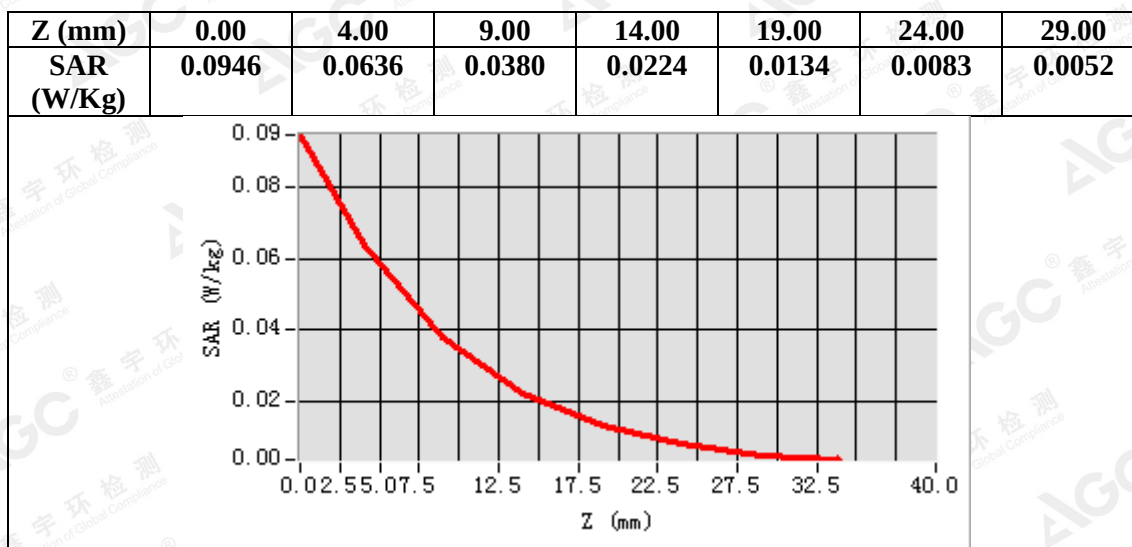


Maximum location: X=-42.00, Y=-42.00

SAR Peak: 0.10 W/kg

SAR 10g (W/Kg)	0.029591
SAR 1g (W/Kg)	0.058368

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Test Laboratory: AGC Lab
LTE Band 7 High-Body-Back (1RB#0)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.28,2018

Communication System: LTE; Communication System Band: LTE Band 7; Duty Cycle:1:1; Conv.F=2.46
Frequency: 2560MHz; Medium parameters used: $f = 2600$ MHz; $\sigma = 2.15$ mho/m; $\epsilon_r = 53.34$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.7, Liquid temperature (°C): 22.1

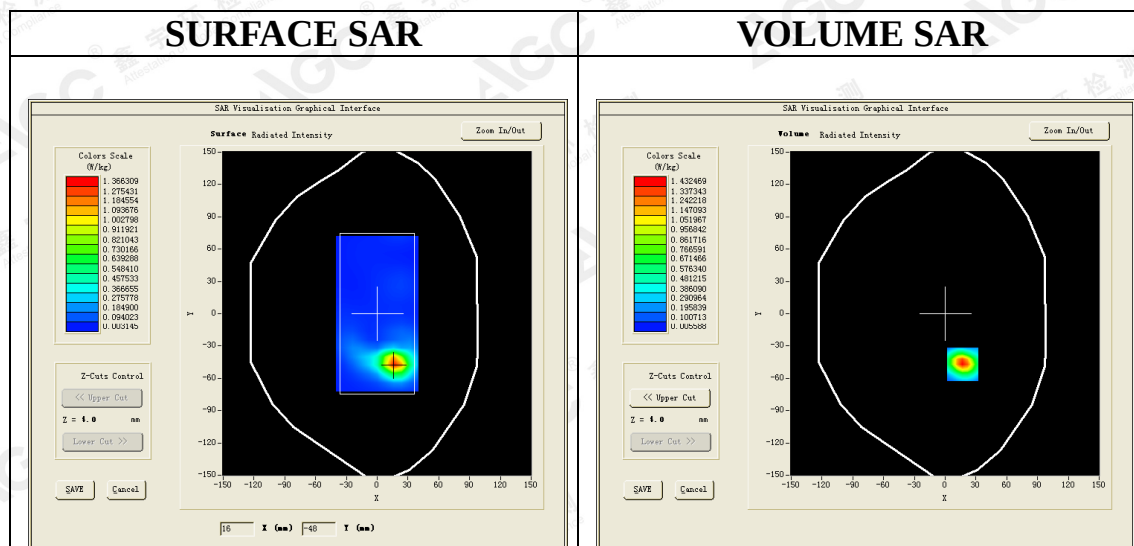
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE BAND 7 High-Body-Back /Area Scan: Measurement grid: dx=10mm, y=10mm

Configuration/ LTE BAND 7 High-Body-Back /Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Area Scan	sam_direct_droit2_surf10mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	LTE BAND 7
Channels	High
Signal	OFDM (Crest factor: 1.0)

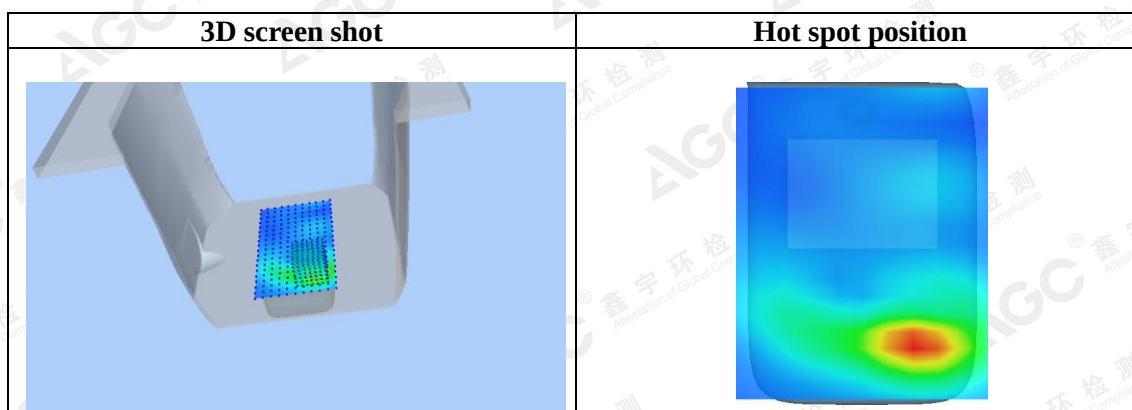
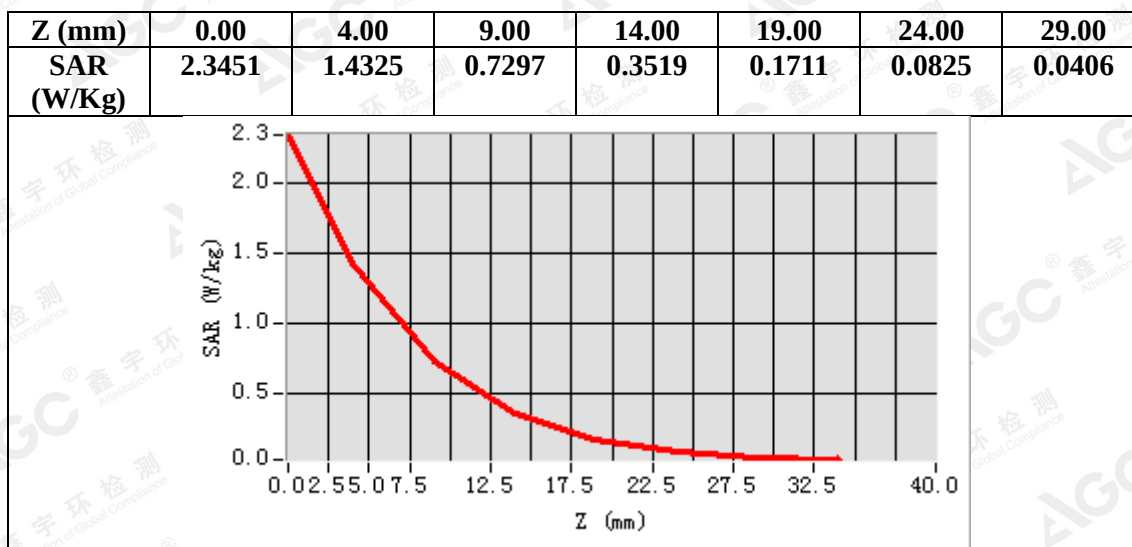


Maximum location: X=17.00, Y=-47.00

SAR Peak: 2.40 W/kg

SAR 10g (W/Kg)	0.536535
SAR 1g (W/Kg)	1.275370

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Test Laboratory: AGC Lab
LTE Band 12 Mid-Touch-Left (1 RB#0)
DUT: Mobile Phone ; **Type:** ETHOS

Date: July 2,2018

Communication System: LTE; Communication System Band: LTE Band 12; Duty Cycle:1:1; Conv.F=1.61
Frequency: 707.5 MHz; Medium parameters used: $f = 750$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 43.35$; $\rho = 1000$ kg/m³ ;
Phantom section: Left Section
Ambient temperature (°C): 22, Liquid temperature (°C): 21.3

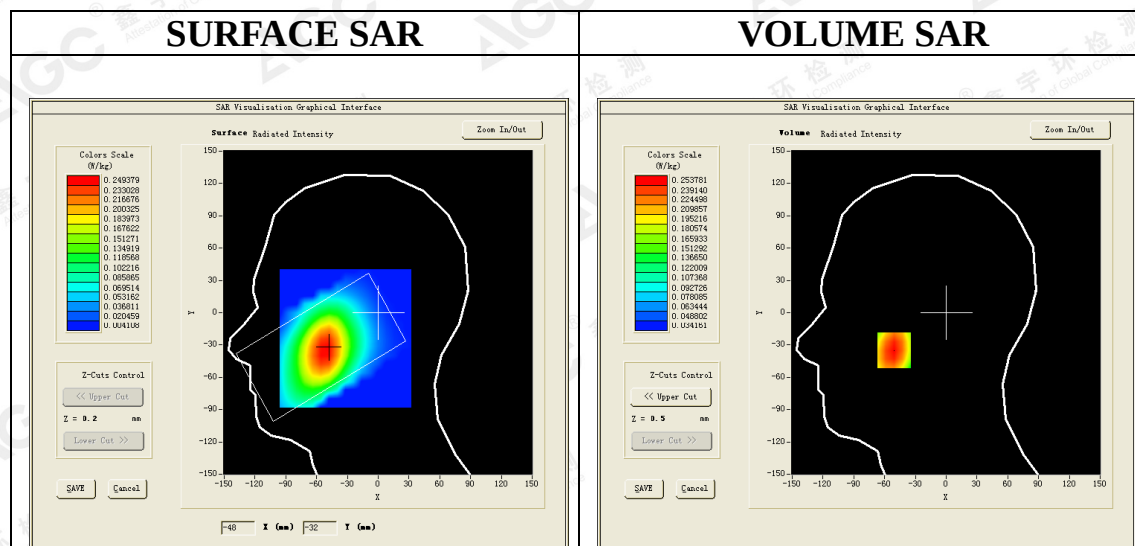
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE Band 12 Mid- Touch-Left /Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band 12 Mid- Touch-Left /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 12
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

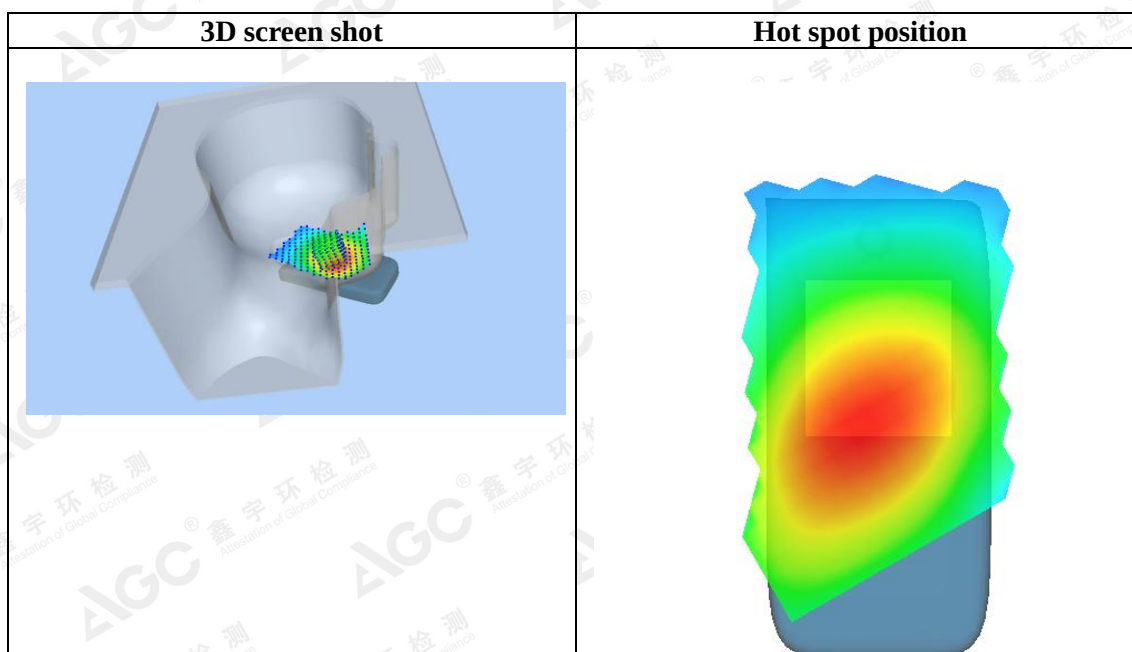
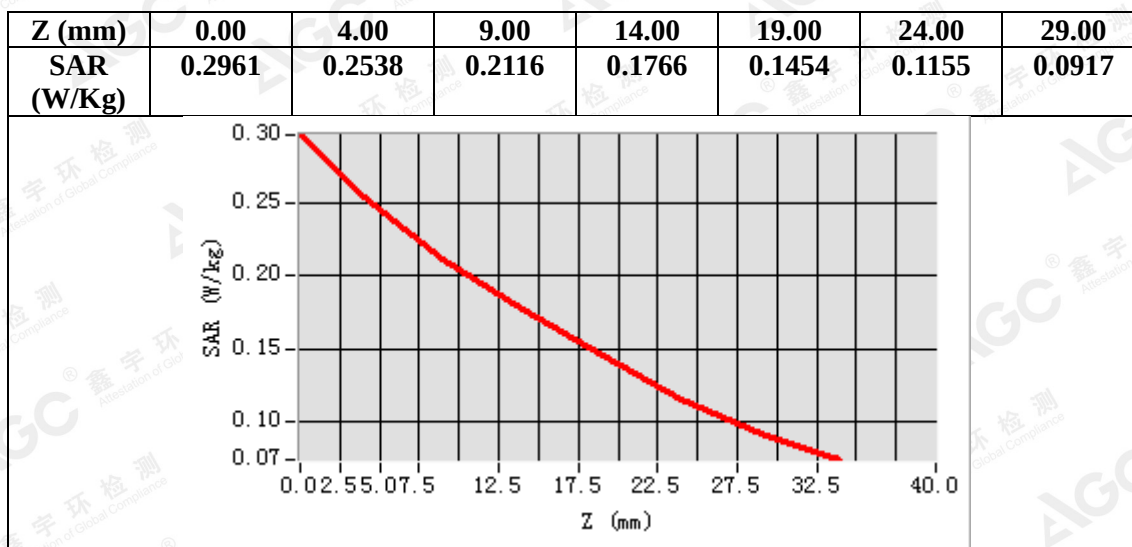


Maximum location: X=-51.00, Y=-35.00

SAR Peak: 0.30 W/kg

SAR 10g (W/Kg)	0.194638
SAR 1g (W/Kg)	0.253124

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Test Laboratory: AGC Lab
LTE Band 12 Mid-Body-Back (1 RB#0)
DUT: Mobile Phone ; **Type:** ETHOS

Date: July 2,2018

Communication System: LTE; Communication System Band: LTE Band 12; Duty Cycle:1:1; Conv.F=1.66;
Frequency: 707.5 MHz; Medium parameters used: $f = 750$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 56.69$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.5

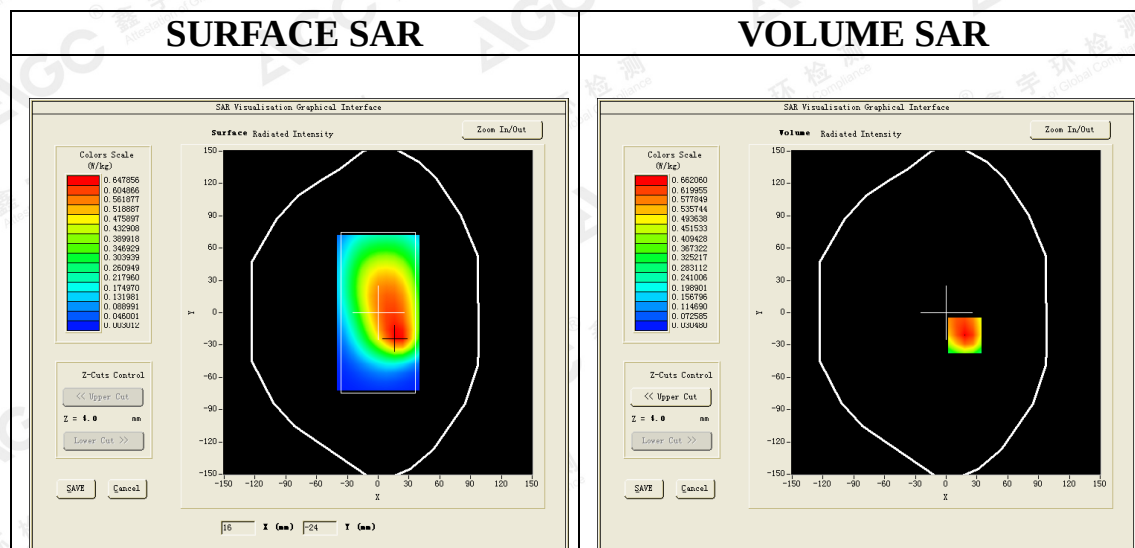
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE Band 12 Mid-Body-back/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band 12 Mid-Body-back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 12
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

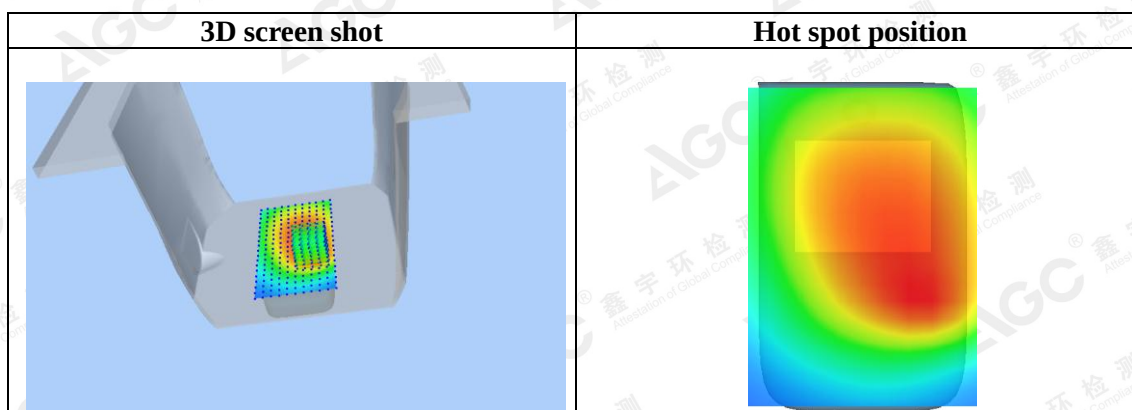
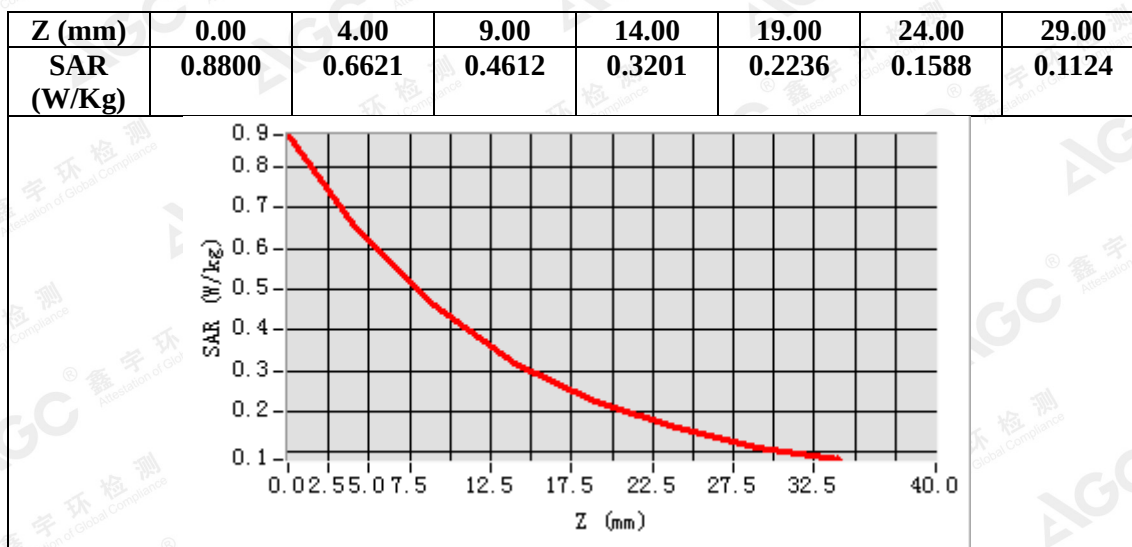


Maximum location: X=18.00, Y=-21.00

SAR Peak: 0.91 W/kg

SAR 10g (W/Kg)	0.454734
SAR 1g (W/Kg)	0.675822

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2.4G WIFI MODE

Test Laboratory: AGC Lab

802.11b High-Tilt-Left

DUT: Mobile Phone ; Type: ETHOS

Date: Jun.26,2018

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=2.52;
Frequency: 2462 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.82$ mho/m; $\epsilon_r = 38.98$ $\rho = 1000$ kg/m³ ;
Phantom section: Left Section
Ambient temperature (°C):22, Liquid temperature (°C): 21.3

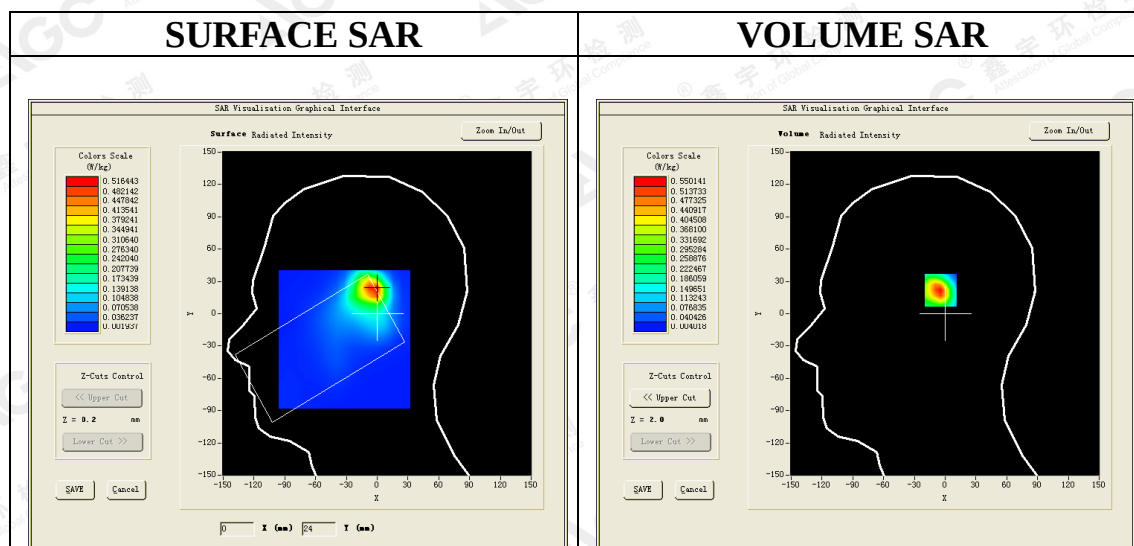
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/802.11b High-Tilt-Left/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/802.11b High-Tilt-Left/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Left head
Device Position	Tilt
Band	2450MHz
Channels	High
Signal	Crest factor: 1.0

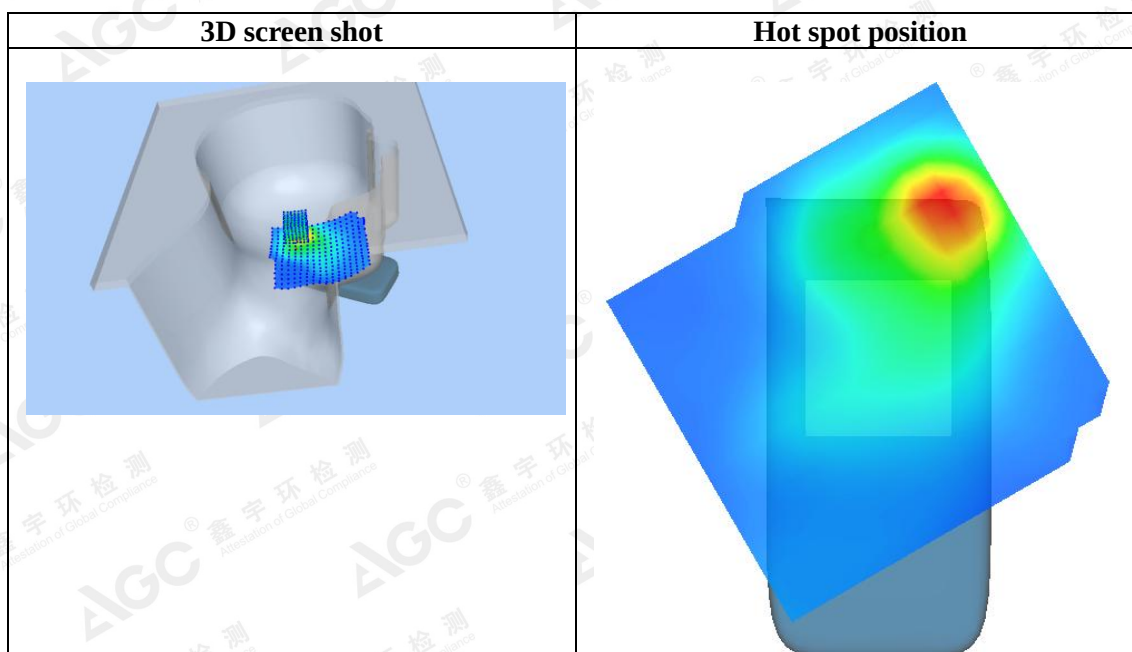
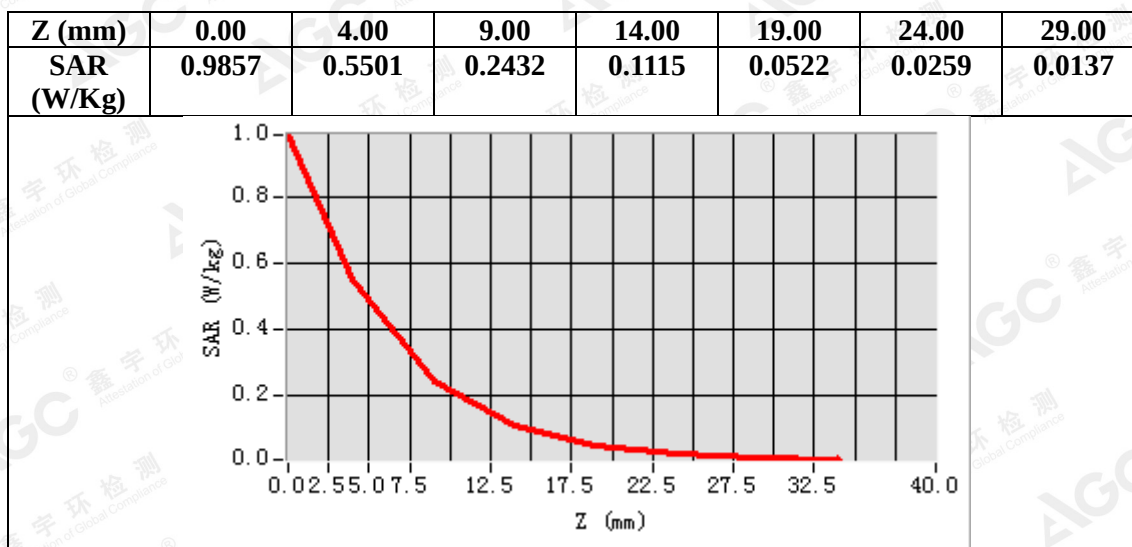


Maximum location: X=-2.00, Y=23.00

SAR Peak: 0.98 W/kg

SAR 10g (W/Kg)	0.223707
SAR 1g (W/Kg)	0.501697

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Test Laboratory: AGC Lab
802.11b High-Body-Worn- Back
DUT: Mobile Phone ; Type: ETHOS

Date: Jun.26,2018

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=2.58;
Frequency: 2462 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 52.59$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):22, Liquid temperature (°C): 21.5

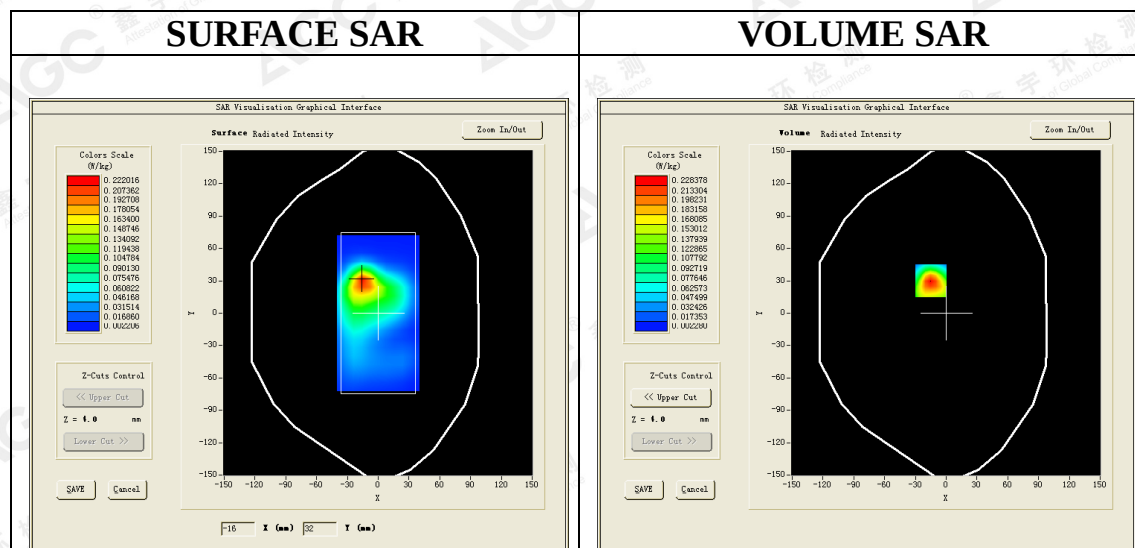
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/802.11b High- Body- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/802.11b High- Body- Back /Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm;

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	2450MHz
Channels	High
Signal	Crest factor: 1.0

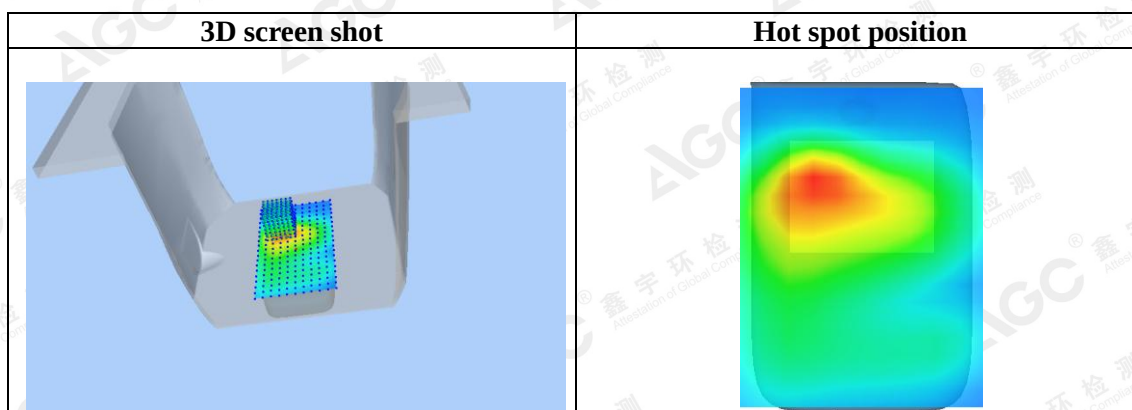
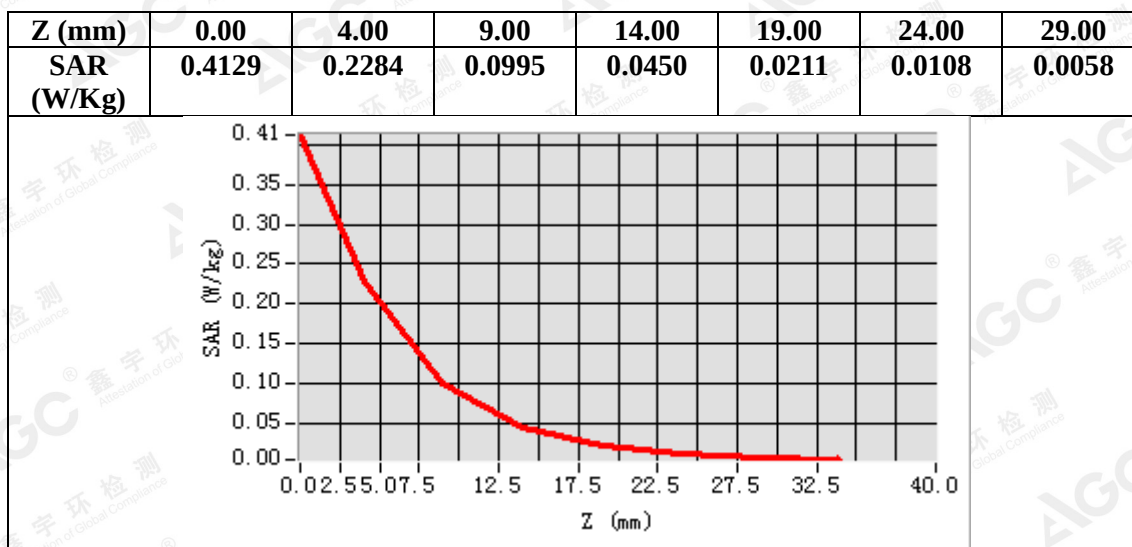


Maximum location: X=-15.00, Y=30.00

SAR Peak: 0.41 W/kg

SAR 10g (W/Kg)	0.098985
SAR 1g (W/Kg)	0.211566

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5G WIFI MODE

UNII-1

Test Laboratory: AGC Lab

802.11ac VHT20 Low-Tilt-Left

DUT: Mobile Phone ; Type: ETHOS

Date: Jun. 30, 2018

Communication System: Wi-Fi; Communication System Band: 802.11ac VHT20; Duty Cycle: 1:1; Conv.F=2.35;
Frequency: 5180MHz; Medium parameters used: $f = 5200$ MHz; $\sigma = 4.69$ mho/m; $\epsilon_r = 36.55$; $\rho = 1000$ kg/m³ ;
Phantom section: Left Section
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.1

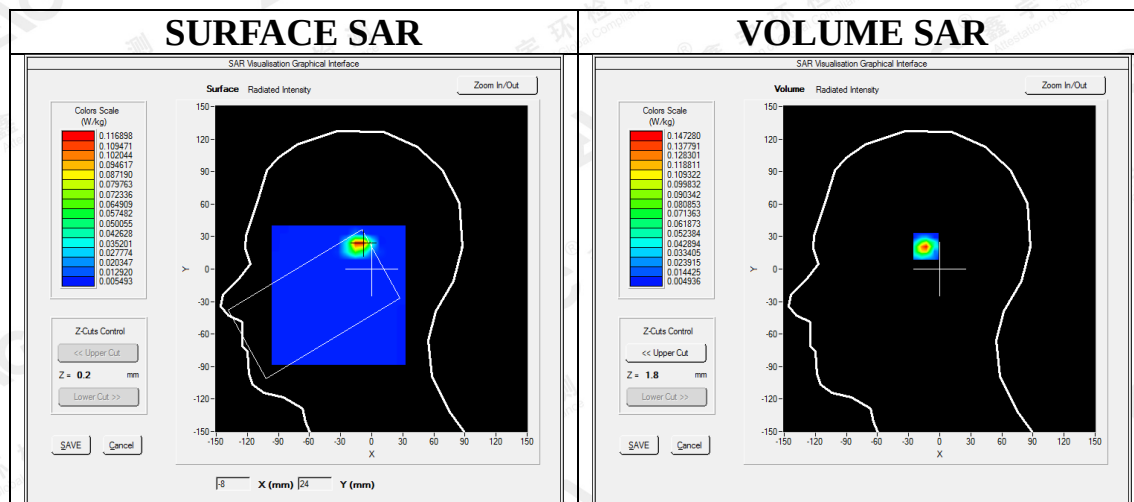
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11ac VHT20 Low-Tilt-Left /Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/802.11ac VHT20 Low-Tilt-Left /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	8x8x13 dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Tilt
Band	UNII-1
Channels	Low
Signal	Crest factor: 1.0

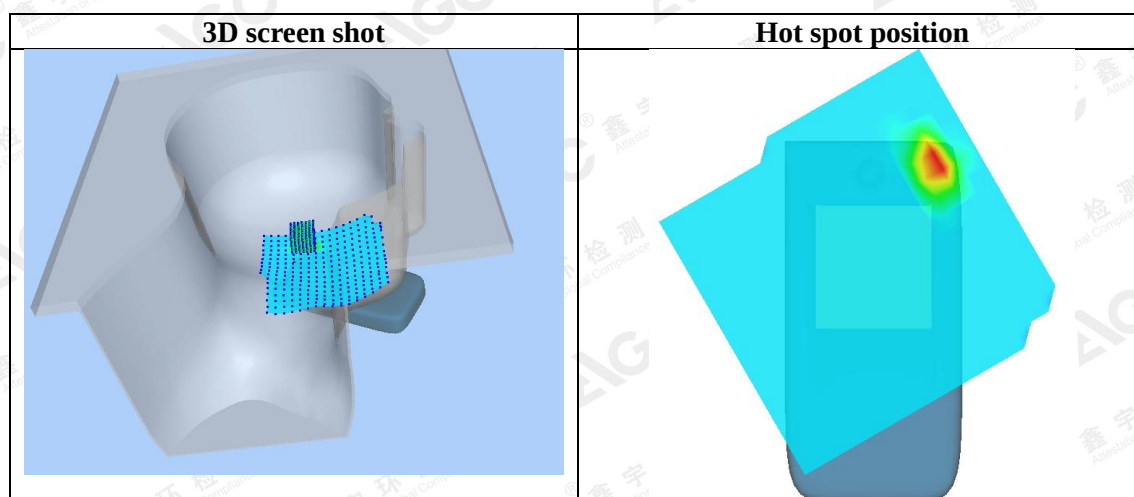
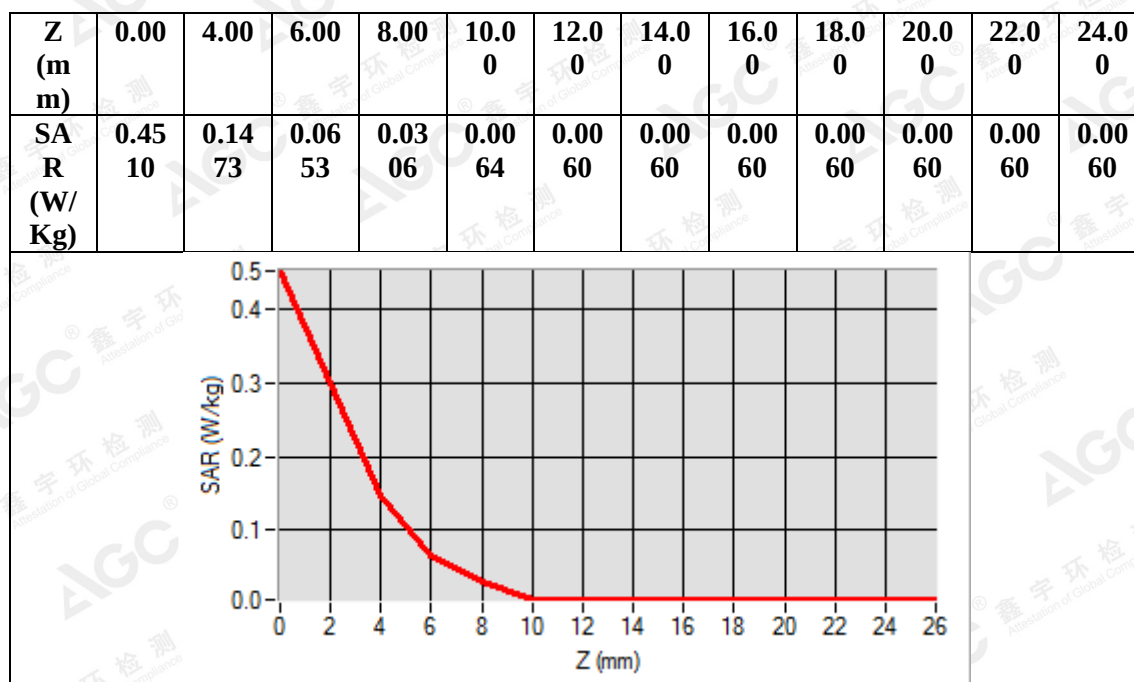


Maximum location: X=-11.00, Y=23.00

SAR Peak: 0.44 W/kg

SAR 10g (W/Kg)	0.034205
SAR 1g (W/Kg)	0.129025

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UNII-1

Test Laboratory: AGC Lab
802.11ac VHT20 Low-Body-Worn-Edge 1
DUT:Mobile Phone ; Type: ETHOS

Date: Jun. 30, 2018

Communication System: Wi-Fi; Communication System Band: 802.11ac VHT20; Duty Cycle: 1:1; Conv.F=2.41;
Frequency: 5180MHz; Medium parameters used: $f = 5200$ MHz; $\sigma = 5.28$ mho/m; $\epsilon_r = 50.24$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.3

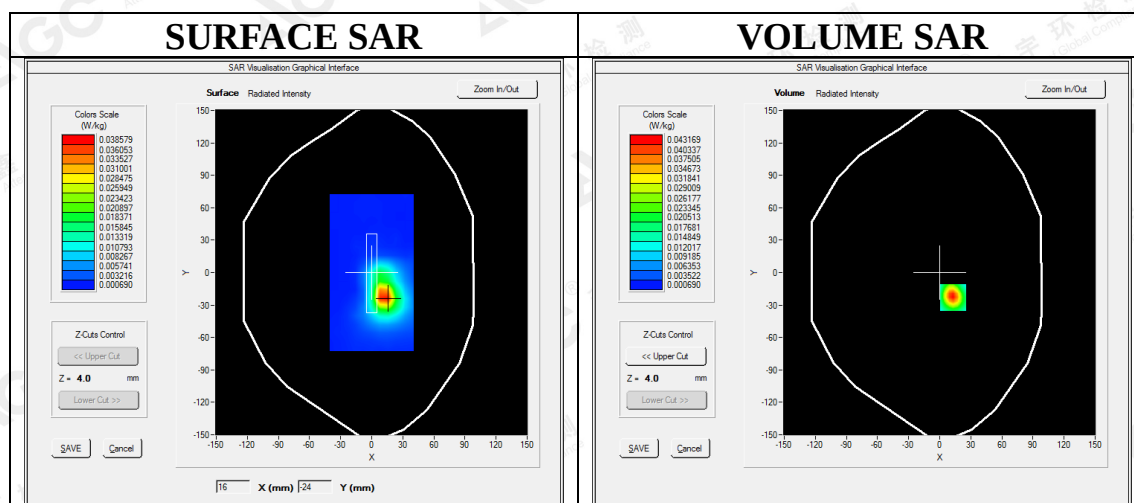
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11ac VHT20 Low- Body-Edge 1 /Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/802.11ac VHT20 Low- Body- Edge 1/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	8x8x13 dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Body Edge 1
Band	UNII-1
Channels	Low
Signal	Crest factor: 1.0



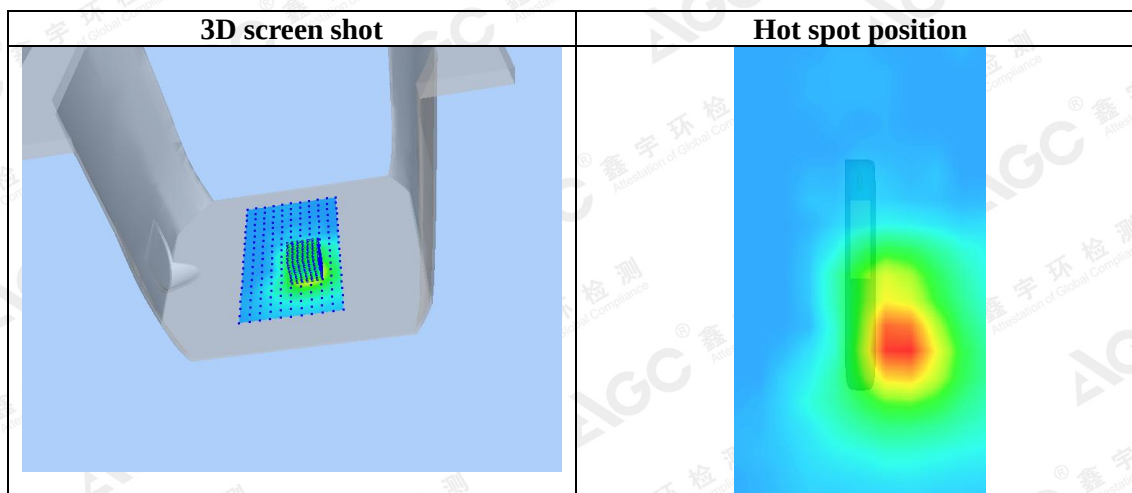
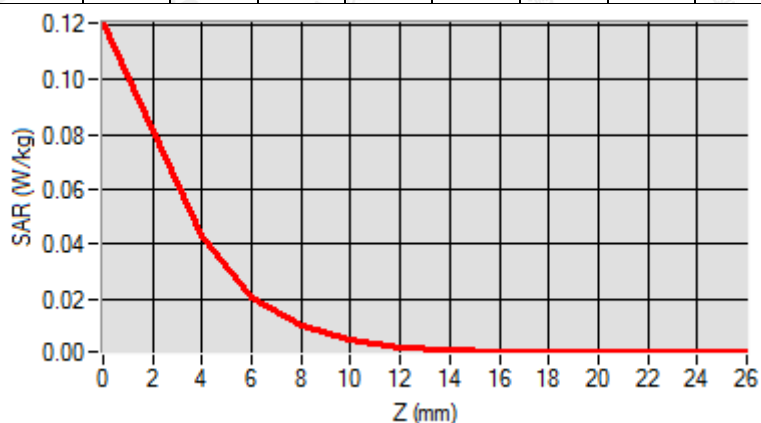
Maximum location: X=13.00, Y=-23.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.014607
SAR 1g (W/Kg)	0.042385

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Z (m m)	0.00	4.00	6.00	8.00	10.0 0	12.0 0	14.0 0	16.0 0	18.0 0	20.0 0	22.0 0	24.0 0
SAR R (W/ Kg)	0.12 09	0.04 32	0.02 05	0.01 06	0.00 51	0.00 25	0.00 14	0.00 09	0.00 07	0.00 07	0.00 07	0.00 07



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UNII-3

Test Laboratory: AGC Lab
802.11n HT40 Low-Tilt-Left

Date: July 03, 2018

DUT: Mobile Phone ; **Type:**ETHOS

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=2.46;
Frequency: 5755MHz; Medium parameters used: $f = 5800$ MHz; $\sigma = 5.20$ mho/m; $\epsilon_r = 36.15$; $\rho = 1000$ kg/m³ ;
Phantom section: Left Section
Ambient temperature (°C): 22.2, Liquid temperature (°C): 21.3

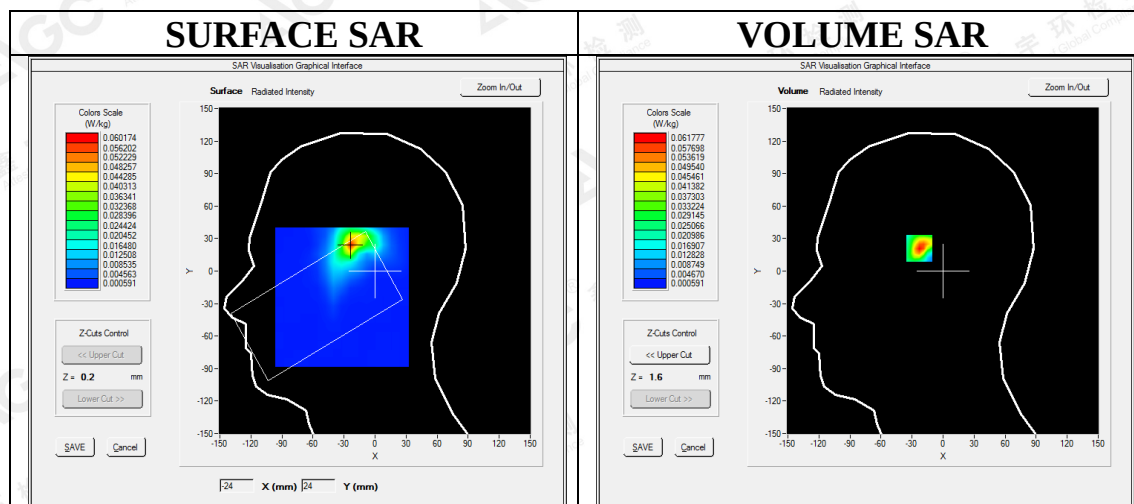
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ 802.11a Low-Tilt-Left /Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ 802.11a Low-Tilt-Left /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	8x8x13 dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Tilt
Band	UNII-3
Channels	Low
Signal	Crest factor: 1.0



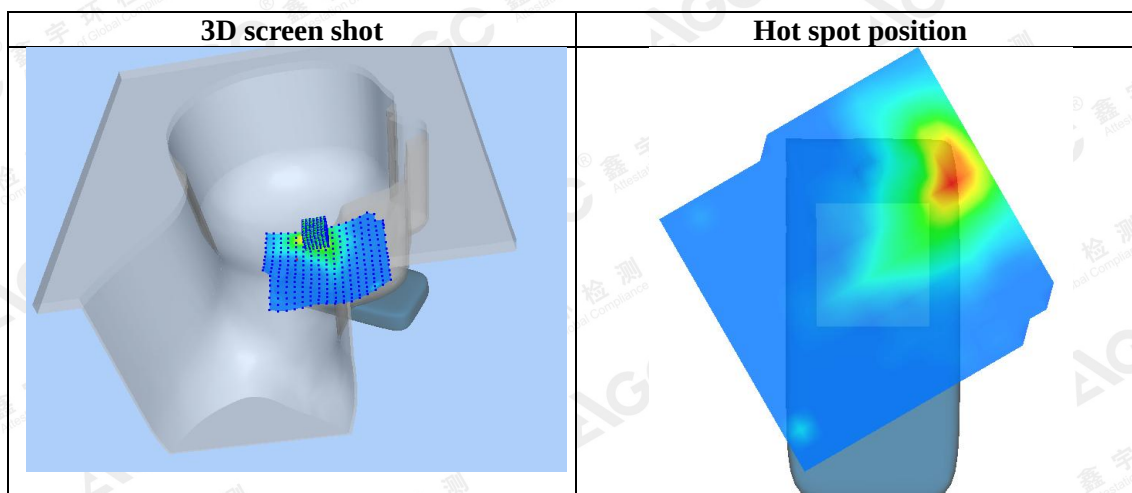
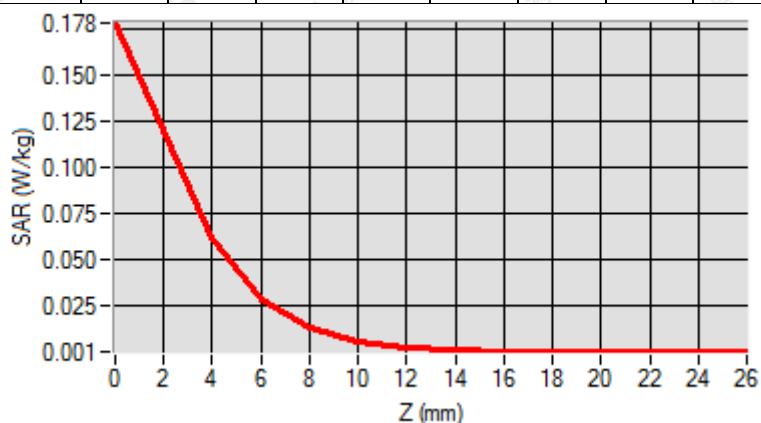
Maximum location: X=-23.00, Y=24.00

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.019948
SAR 1g (W/Kg)	0.059335

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Z (m m)	0.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0
SAR (W/ Kg)	0.17 81	0.06 18	0.02 87	0.01 34	0.00 65	0.00 29	0.00 15	0.00 10	0.00 08	0.00 06	0.00 06	0.00 06



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UNII-3

Test Laboratory: AGC Lab
802.11n HT40 Low-Body-Bcak

Date: July 03, 2018

DUT: Mobile Phone ; Type: ETHOS

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=2.53;
Frequency: 5755MHz; Medium parameters used: $f = 5800$ MHz; $\sigma = 5.85$ mho/m; $\epsilon_r = 49.77$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 22.2, Liquid temperature (°C): 21.5

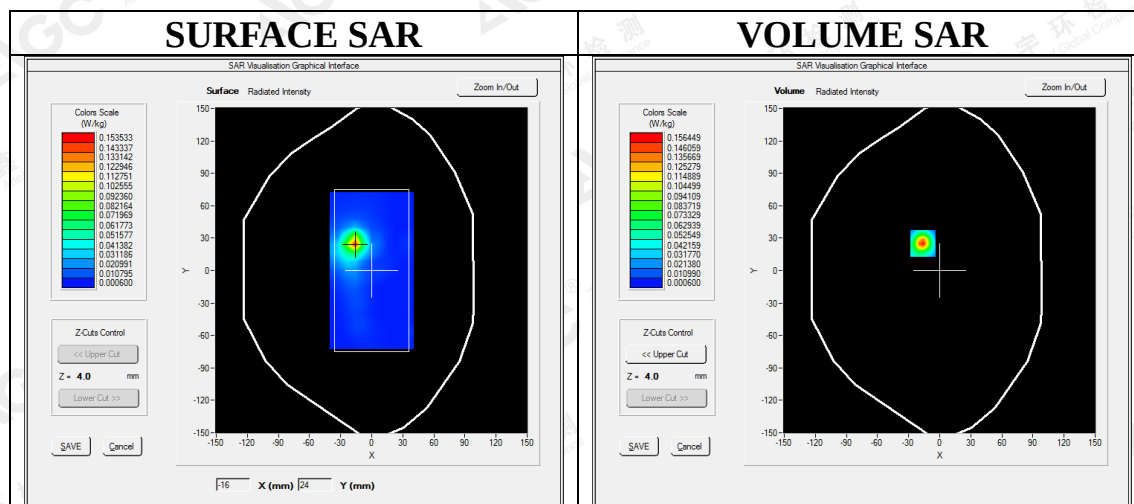
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ 802.11a Low-Body-back /Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ 802.11a Low- Body-back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	8x8x13 dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Body Back
Band	UNII-3
Channels	Low
Signal	Crest factor: 1.0



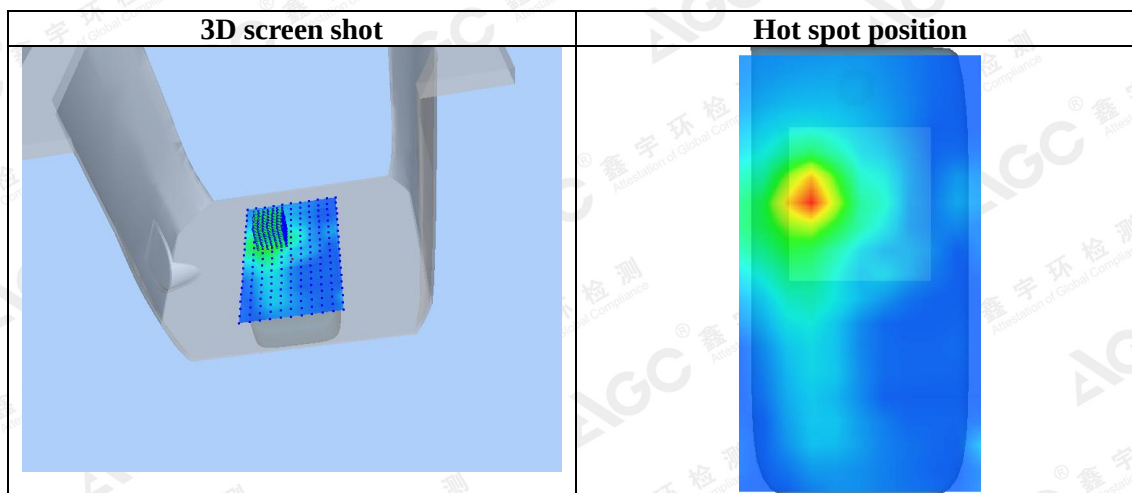
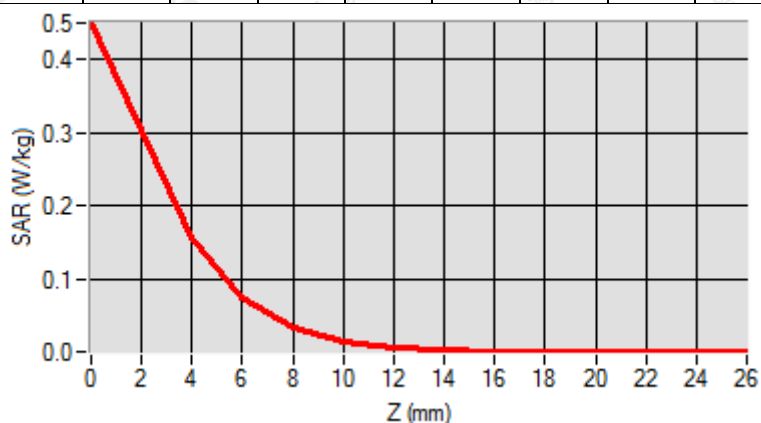
Maximum location: X=-16.00, Y=25.00

SAR Peak: 0.44 W/kg

SAR 10g (W/Kg)	0.040239
SAR 1g (W/Kg)	0.141876

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Z (m m)	0.00	4.00	6.00	8.00	10.0 0	12.0 0	14.0 0	16.0 0	18.0 0	20.0 0	22.0 0	24.0 0
SAR R (W/ Kg)	0.45 05	0.15 64	0.07 33	0.03 36	0.01 56	0.00 72	0.00 33	0.00 16	0.00 06	0.00 06	0.00 06	0.00 06



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Repeated SAR once

Test Laboratory: AGC Lab

GPRS 1900 High-Body-Back (4up)

DUT: Mobile Phone ; Type: ETHOS

Date: Jun.17,2018

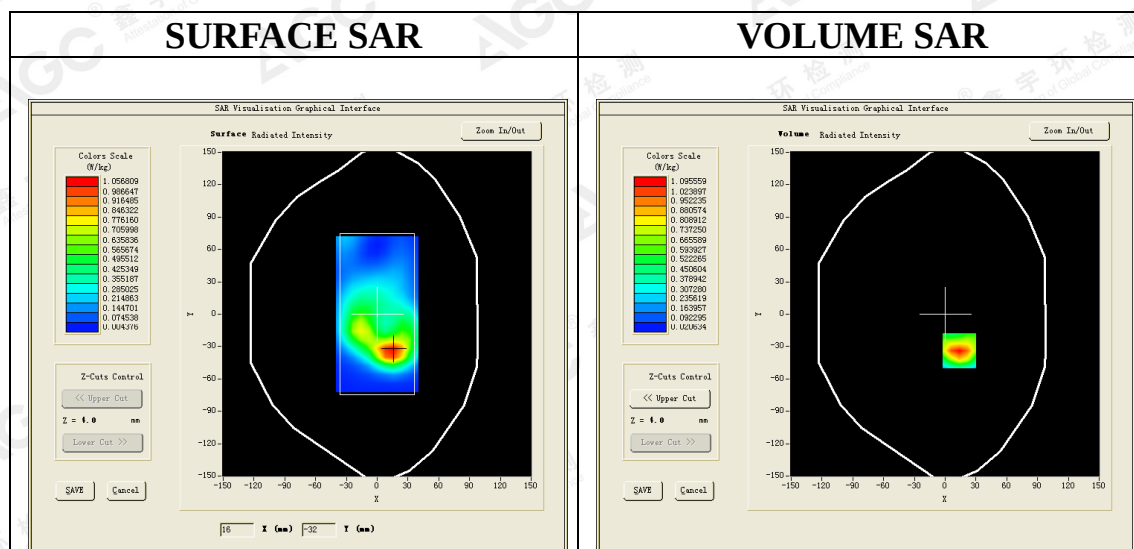
Communication System: GPRS-4Slot; Communication System Band: PCS 1900; Duty Cycle: 1:2.1; Conv.F=2.39;
Frequency: 1909.8 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 52.05$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 22.1, Liquid temperature (°C): 21.6

SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/GPRS1900 High-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GPRS1900 High-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	PCS 1900
Channels	High
Signal	TDMA (Crest factor: 2.0)

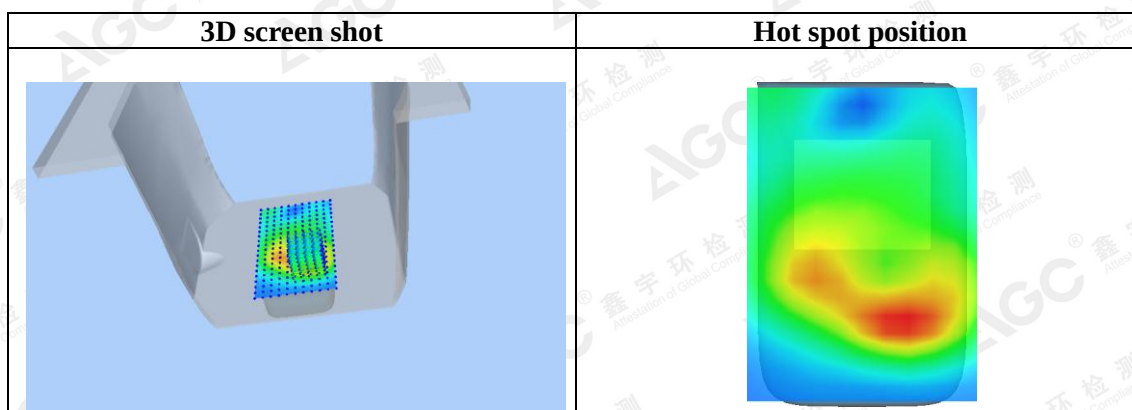
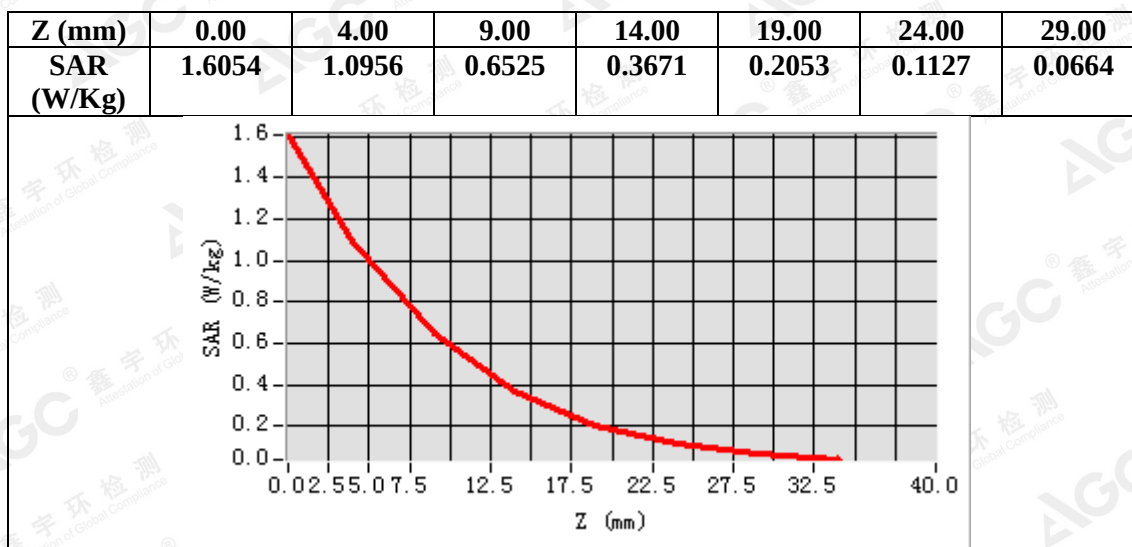


Maximum location: X=14.00, Y=-34.00

SAR Peak: 1.65 W/kg

SAR 10g (W/Kg)	0.526628
SAR 1g (W/Kg)	1.008788

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Test Laboratory: AGC Lab
WCDMA Band II Low-Body-Towards Phantom (RMC 12.2kbps)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.17,2018

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=2.39;
Frequency: 1852.4 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.22$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 22.1, Liquid temperature (°C): 21.6

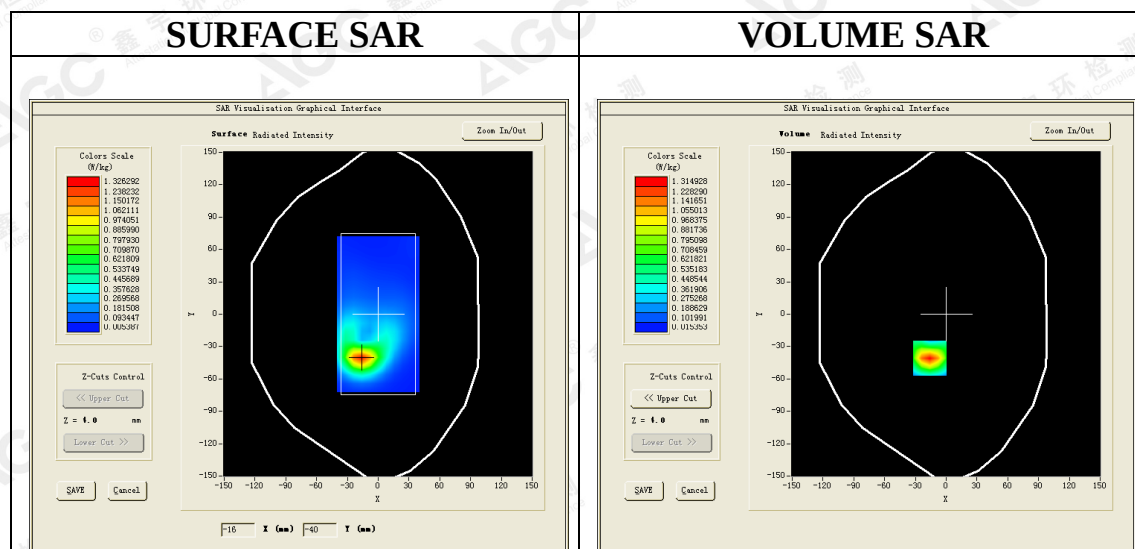
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ WCDMA band II Low-Body-Front/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ WCDMA band II Low-Body-Front/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Front
Band	WCDMA band II
Channels	Low
Signal	CDMA (Crest factor: 1.0)

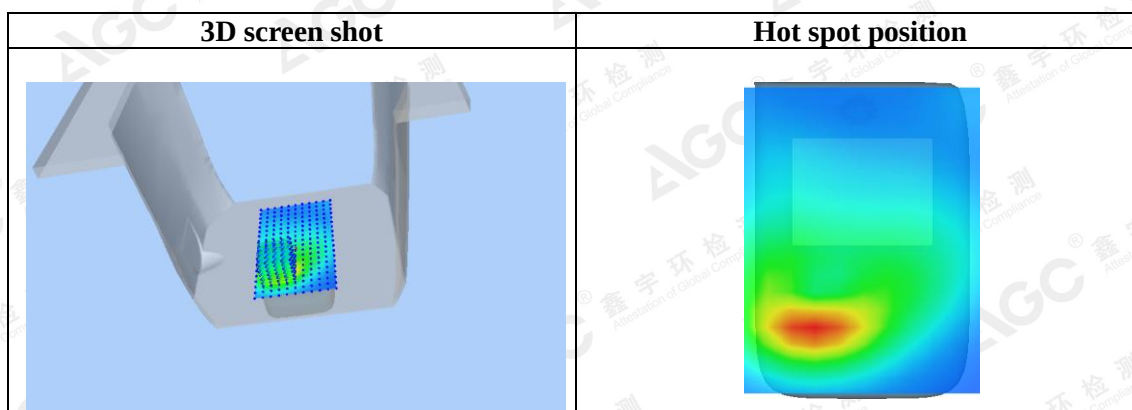
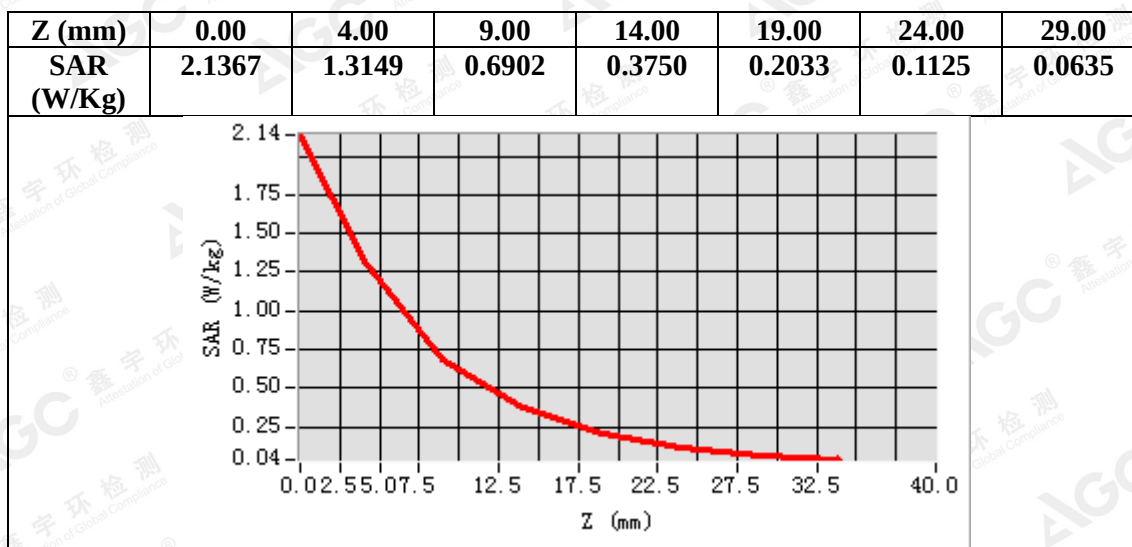


Maximum location: X=-16.00, Y=-41.00

SAR Peak: 2.13 W/kg

SAR 10g (W/Kg)	0.582583
SAR 1g (W/Kg)	1.210312

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Test Laboratory: AGC Lab
WCDMA Band IV High-Body-Towards Phantom (RMC 12.2kbps)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.15,2018

Communication System: UMTS; Communication System Band: BAND IV UTRA/FDD; Duty Cycle:1: 1; Conv.F=2.05;
Frequency:1752.5 MHz; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 53.02$; $\rho = 1000$ kg/m³;
Phantom section: Flat Section
Ambient temperature (°C): 22.3, Liquid temperature (°C): 21.9

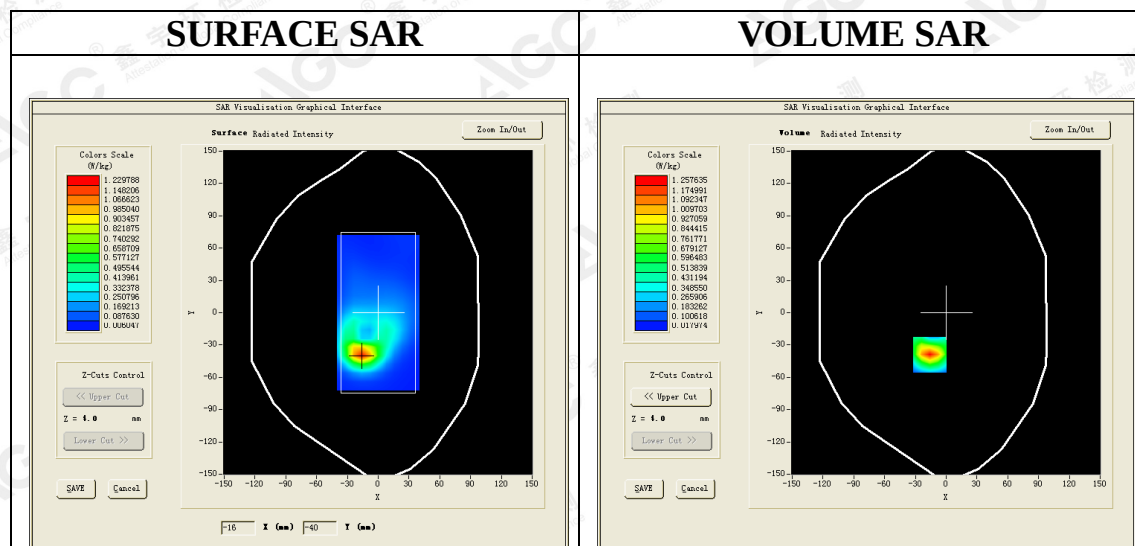
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ WCDMA Band IV High-Body-Front/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ WCDMA Band IV High-Body-Front/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	sam_direct droit2_surf8mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Front
Band	WCDMA Band IV
Channels	High
Signal	CDMA (Crest factor: 1.0)

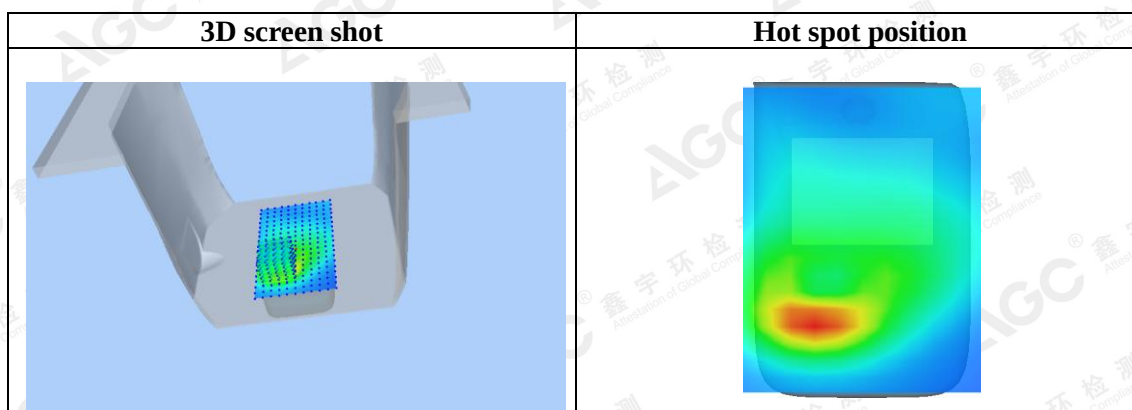
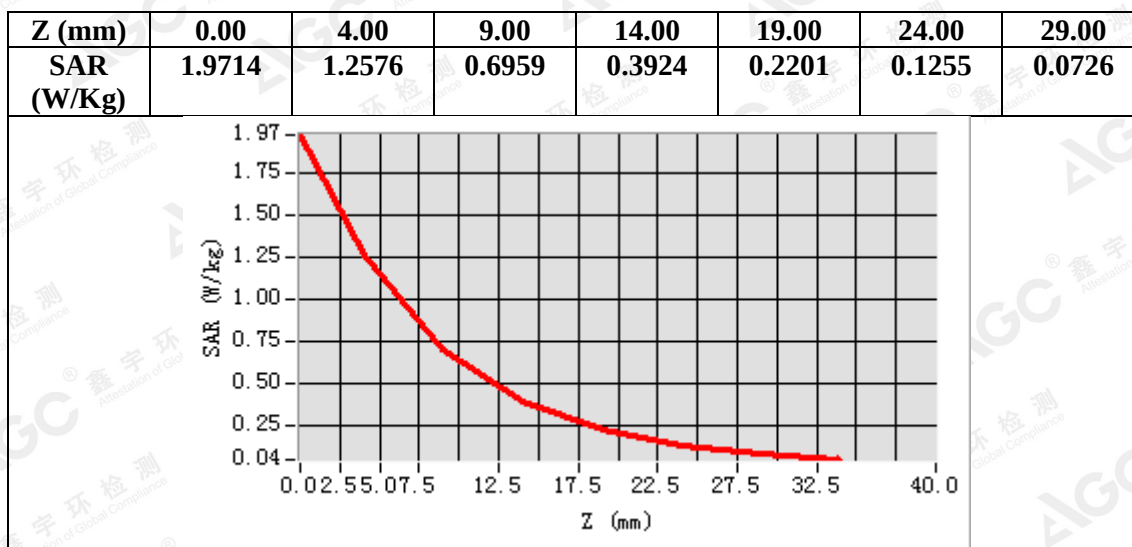


Maximum location: X=-16.00, Y=-39.00

SAR Peak: 1.97 W/kg

SAR 10g (W/Kg)	0.552740
SAR 1g (W/Kg)	1.141660

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Test Laboratory: AGC Lab
LTE Band 4 High-Body-Front (1 RB#0)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.21 ,2018

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=2.05;
Frequency:1745 MHz; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 54.22$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 22.3, Liquid temperature (°C):21.7

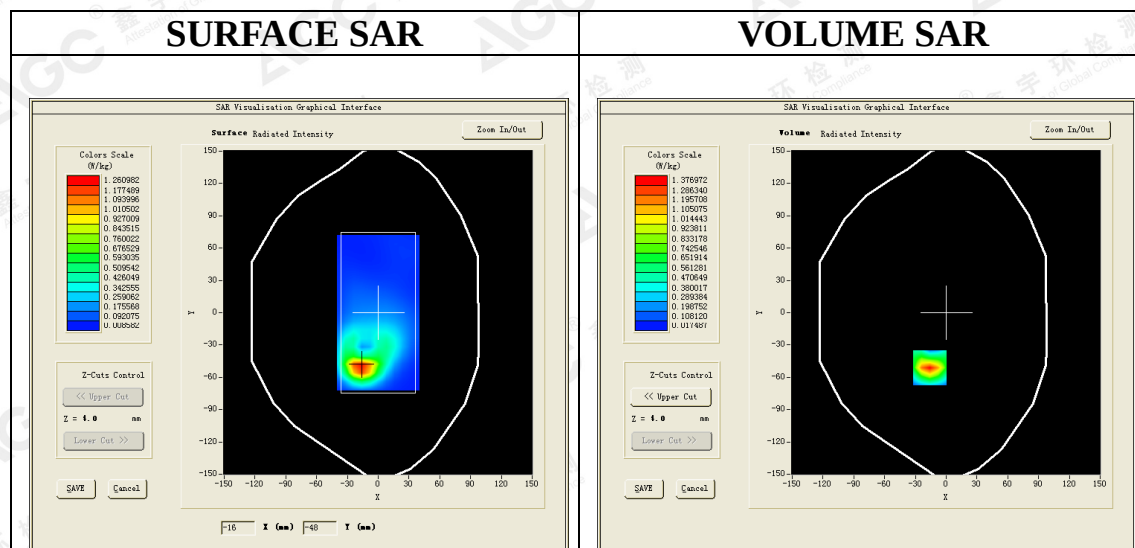
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE Band 4 High-Body-Front/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band 4 High-Body-Front/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Front
Band	LTE Band 4
Channels	High
Signal	OFDM (Crest factor: 1.0)

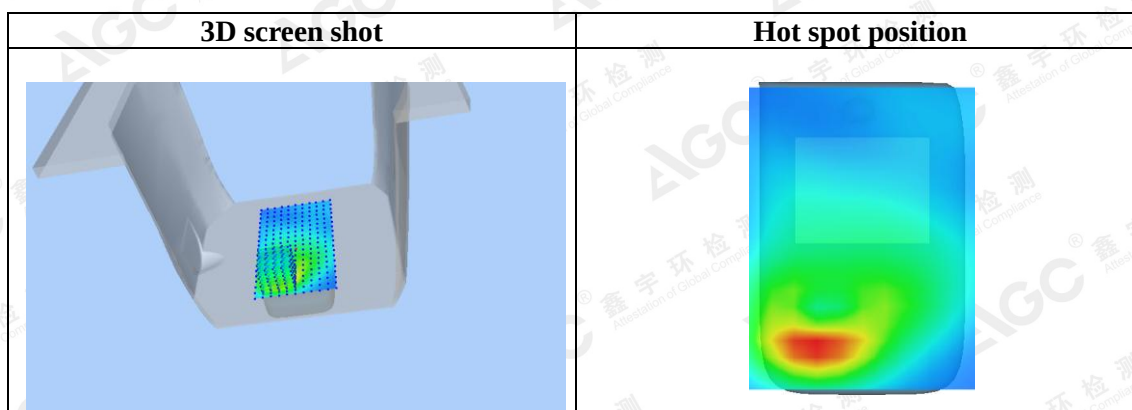
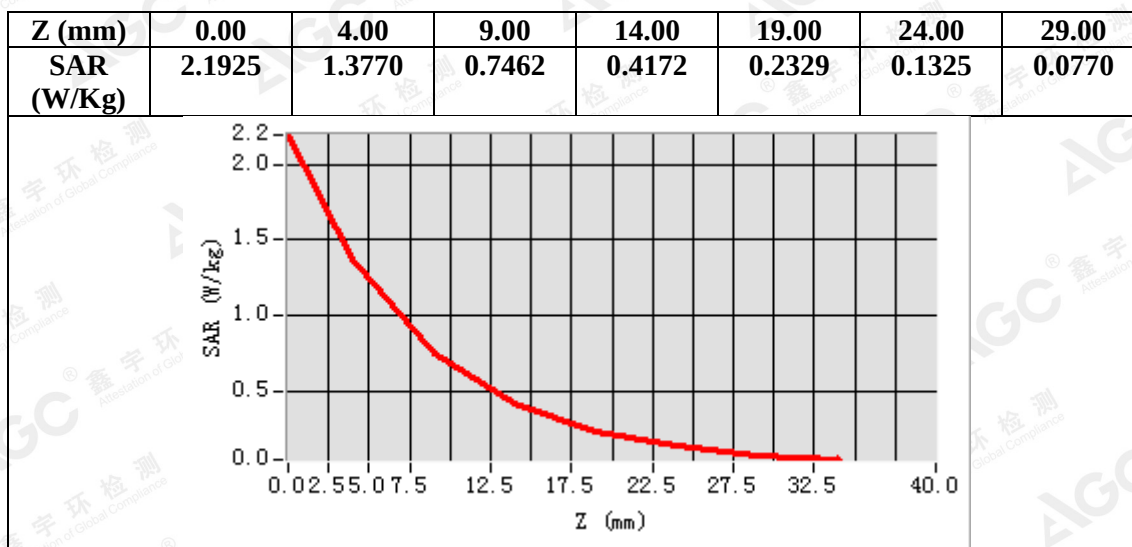


Maximum location: X=-16.00, Y=-51.00

SAR Peak: 2.18 W/kg

SAR 10g (W/Kg)	0.595960
SAR 1g (W/Kg)	1.246147

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Test Laboratory: AGC Lab
LTE Band 7 High-Body-Back (1RB#0)
DUT: Mobile Phone ; **Type:** ETHOS

Date: Jun.28,2018

Communication System: LTE; Communication System Band: LTE Band 7; Duty Cycle:1:1; Conv.F=2.46
Frequency: 2560MHz; Medium parameters used: $f = 2600$ MHz; $\sigma = 2.15$ mho/m; $\epsilon_r = 53.34$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.7, Liquid temperature (°C): 22.1

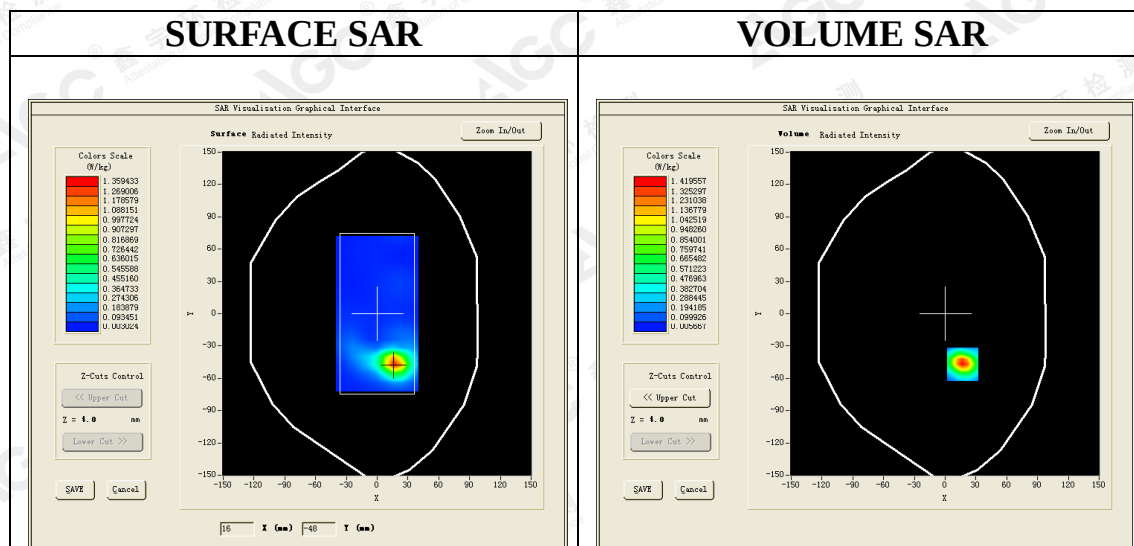
SATIMO Configuration:

- Probe: SSE2; Calibrated: Aug. 08,2017; Serial No.: SN 08/16 EPGO282
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE BAND 7 High-Body-Back /Area Scan: Measurement grid: dx=10mm, y=10mm

Configuration/ LTE BAND 7 High-Body-Back /Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Area Scan	sam_direct_droit2_surf10mm.txt
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	LTE BAND 7
Channels	High
Signal	OFDM (Crest factor: 1.0)

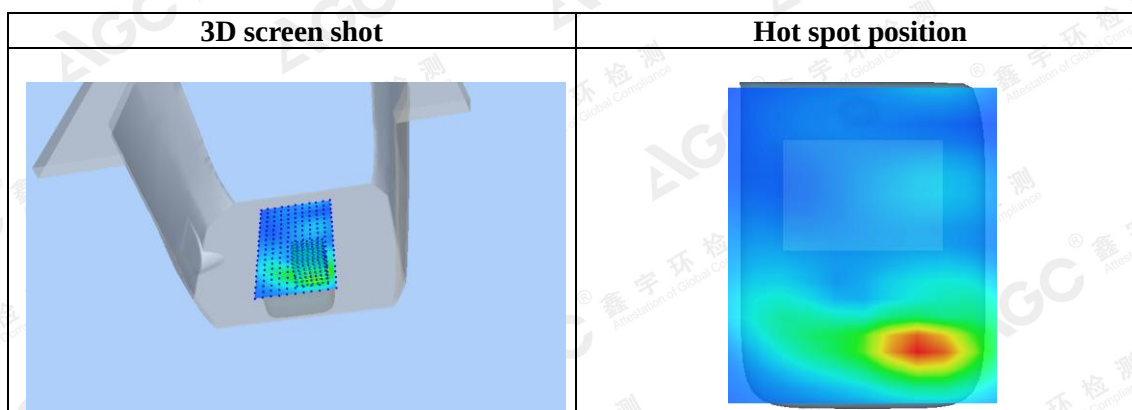
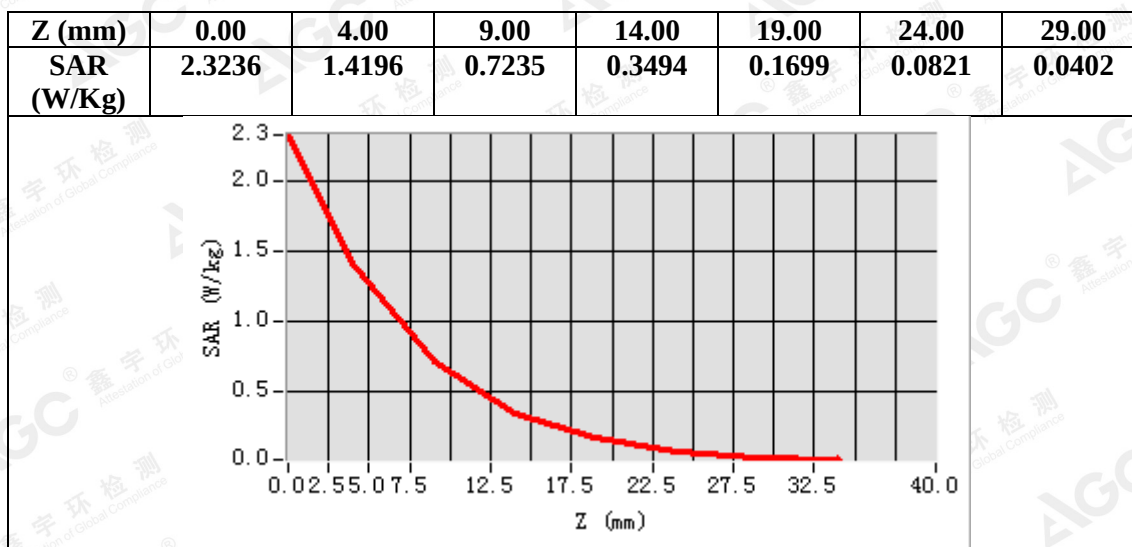


Maximum location: X=17.00, Y=-47.00

SAR Peak: 2.37 W/kg

SAR 10g (W/Kg)	0.532024
SAR 1g (W/Kg)	1.263225

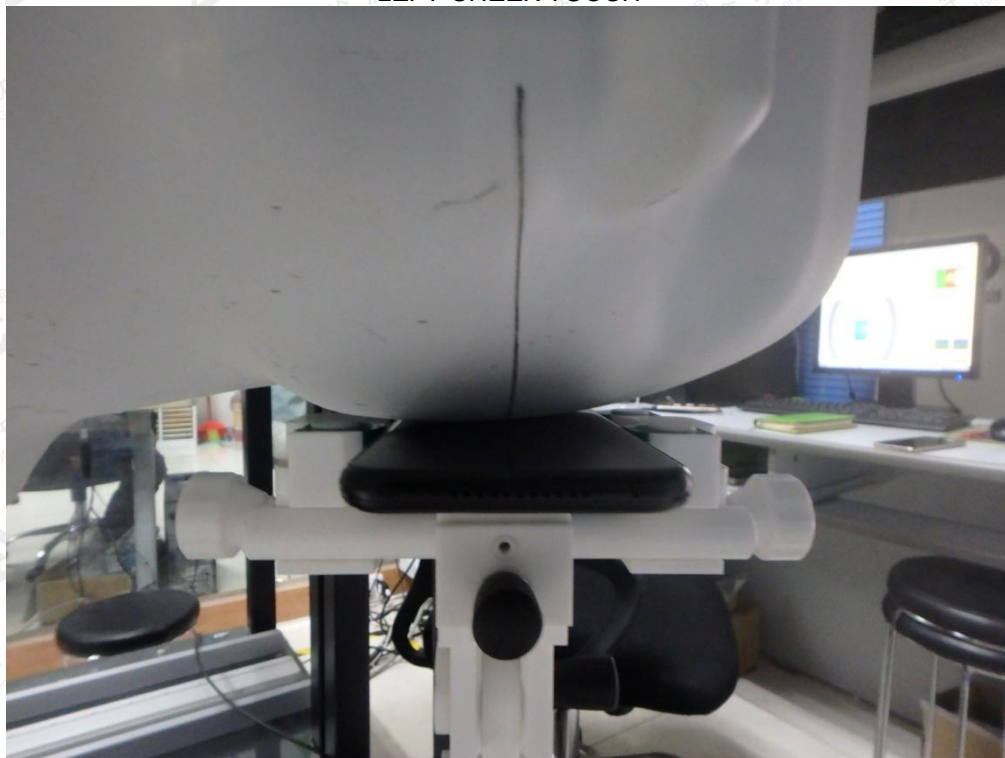
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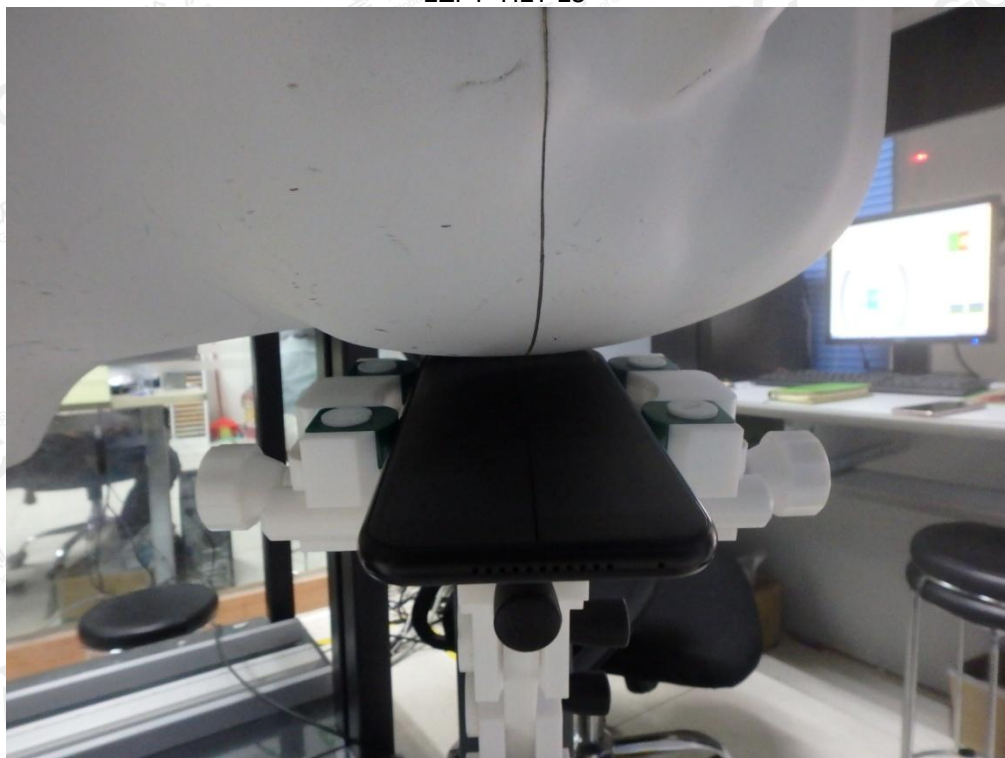
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APPENDIX C. TEST SETUP PHOTOGRAPHS

LEFT-CHEEK TOUCH

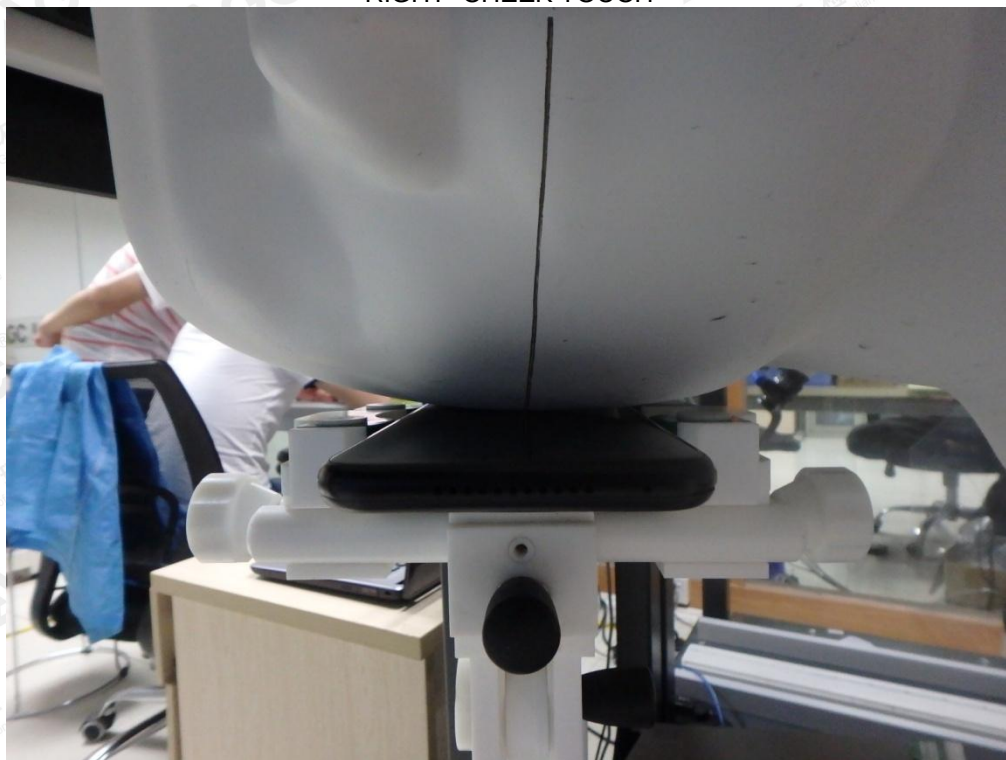


LEFT-TILT 15°



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RIGHT- CHEEK TOUCH

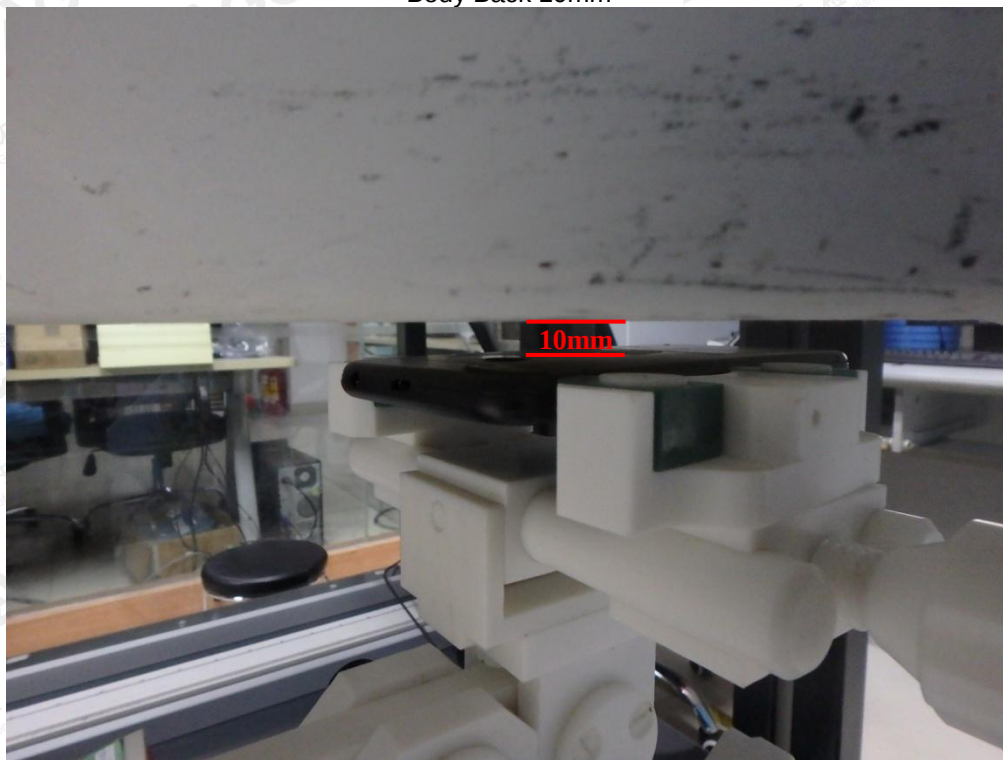


RIGHT-TILT 15°



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Body Back 10mm



Body Front 10mm

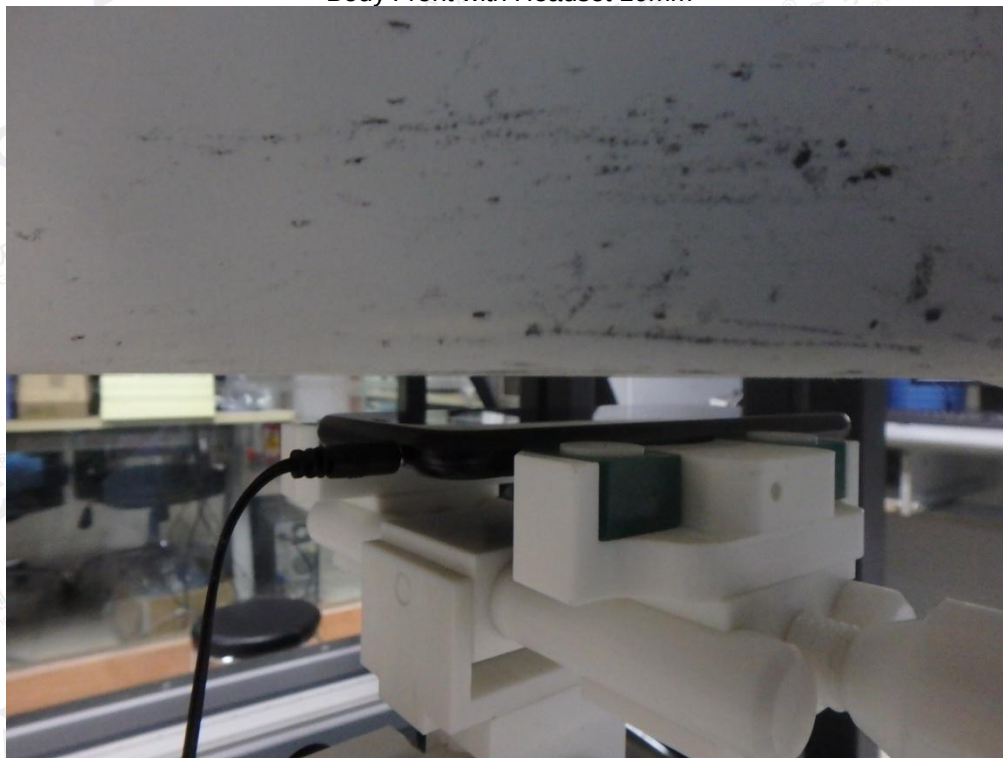


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Body Back with Headset 10mm



Body Front with Headset 10mm

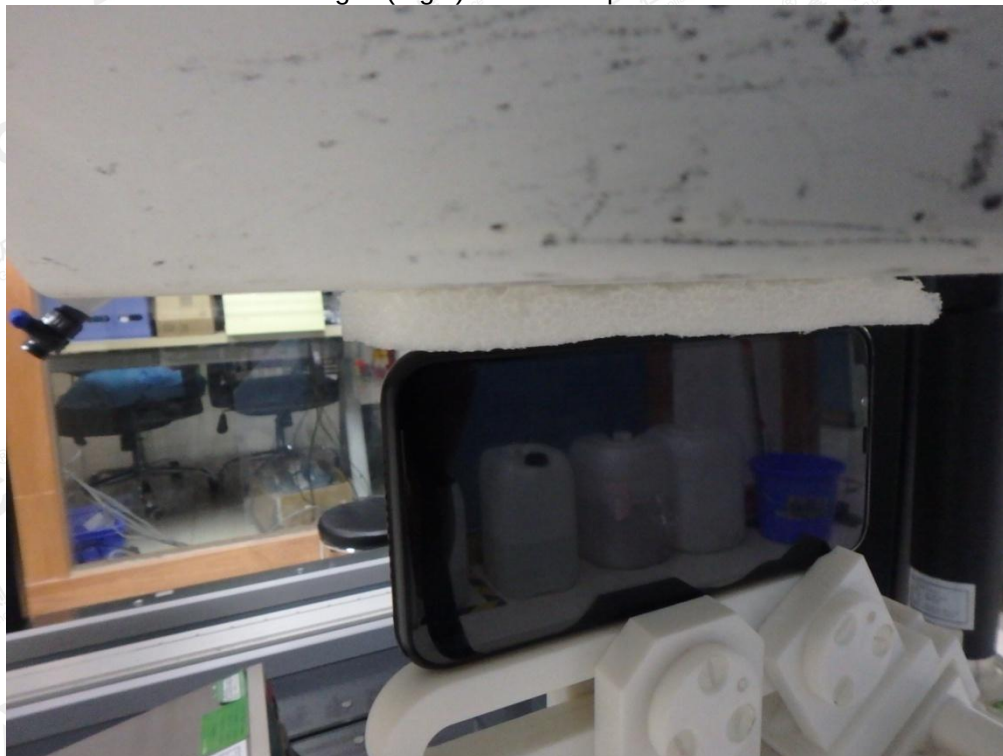


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Edge 1(Top) 10mm-Hotspot Mode



Edge 2(Right) 10mm-Hotspot Mode



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Edge 3(Bottom) 10mm-Hotspot Mode



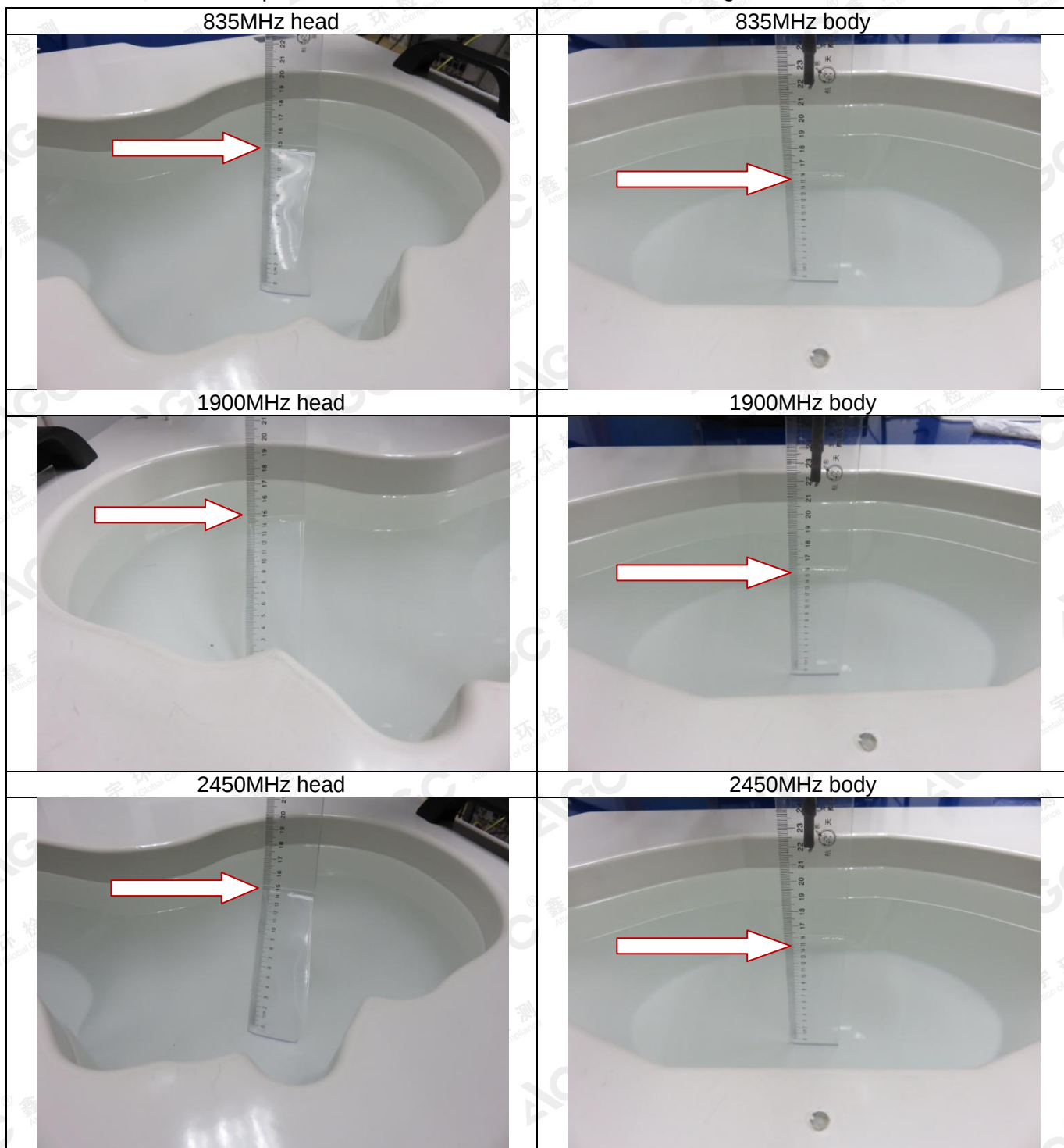
Edge 4(Left) 10mm-Hotspot Mode



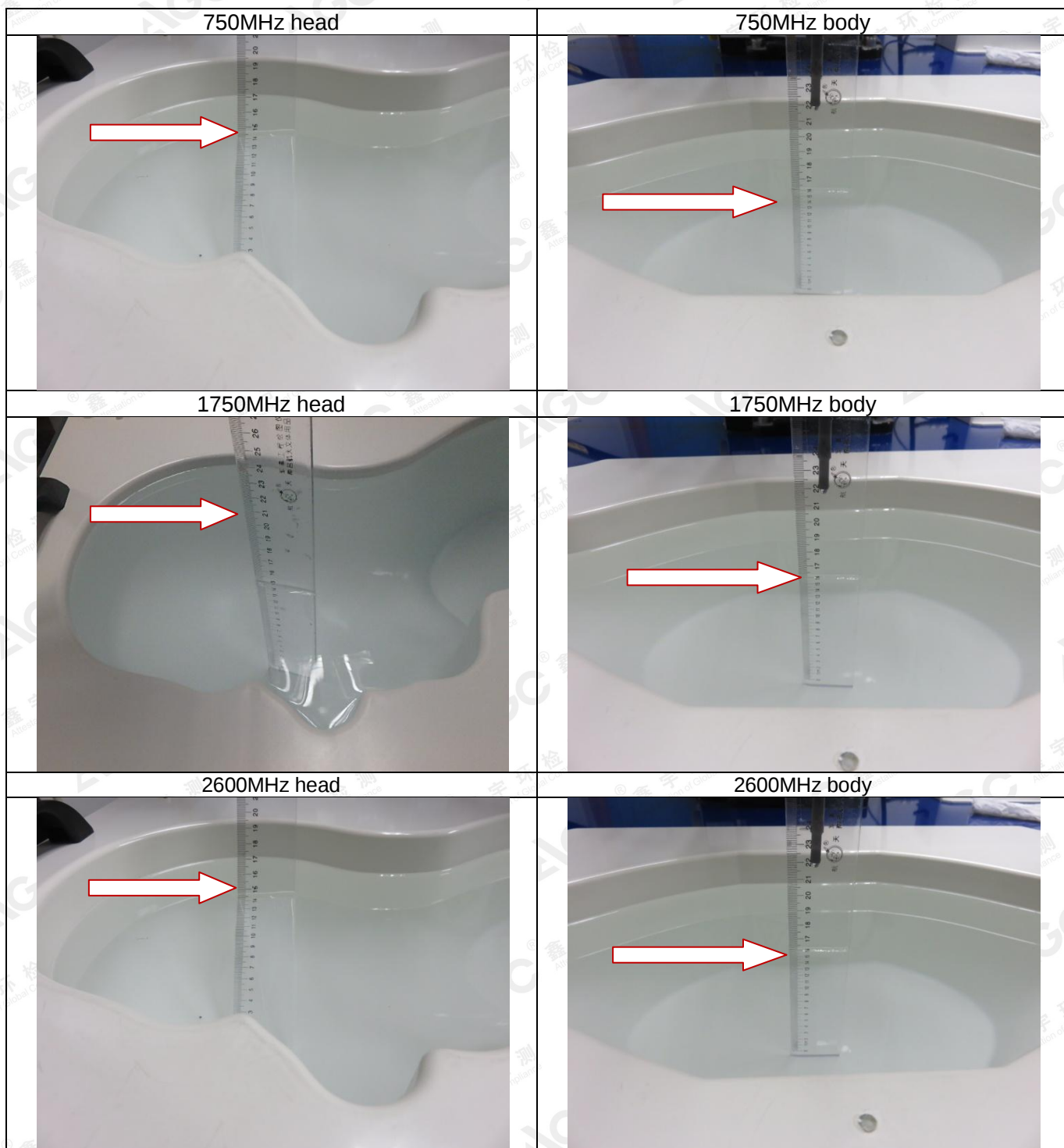
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DEPTH OF THE LIQUID IN THE PHANTOM—ZOOM IN

Note : The position used in the measurement were according to IEEE 1528-2013



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APPENDIX D. CALIBRATION DATA

Refer to Attached files.

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