

Test Laboratory: AGC Lab
GPRS 850 Mid- Body- Back (2up)
DUT: Smart Phone; Type: PL571

Date: Mar. 25,2020

Communication System: GPRS-2 Slot; Communication System Band: GSM 850; Duty Cycle: 1:4.2; Conv.F=5.19;
Frequency: 836.6 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41.95$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.1, Liquid temperature (°C): 20.8

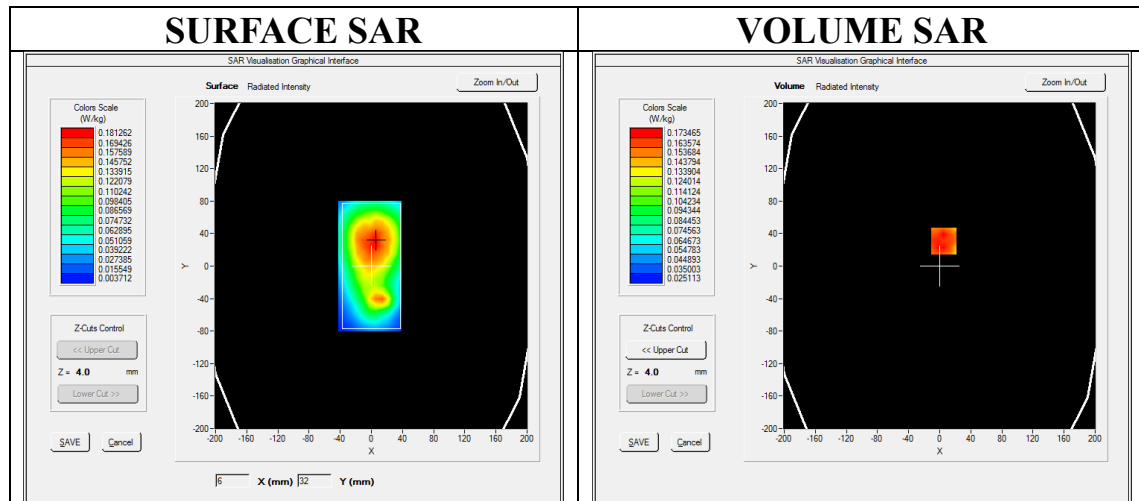
SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

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;

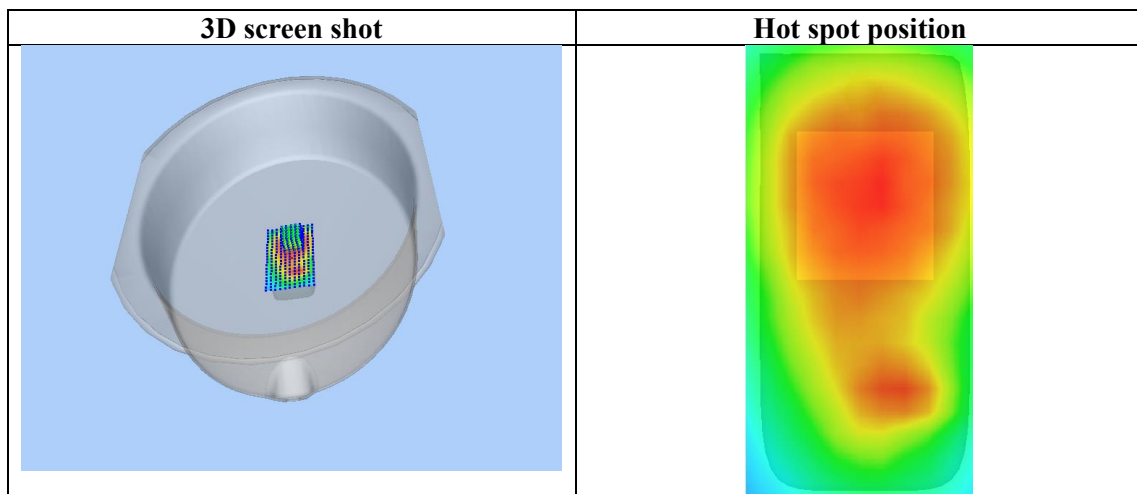
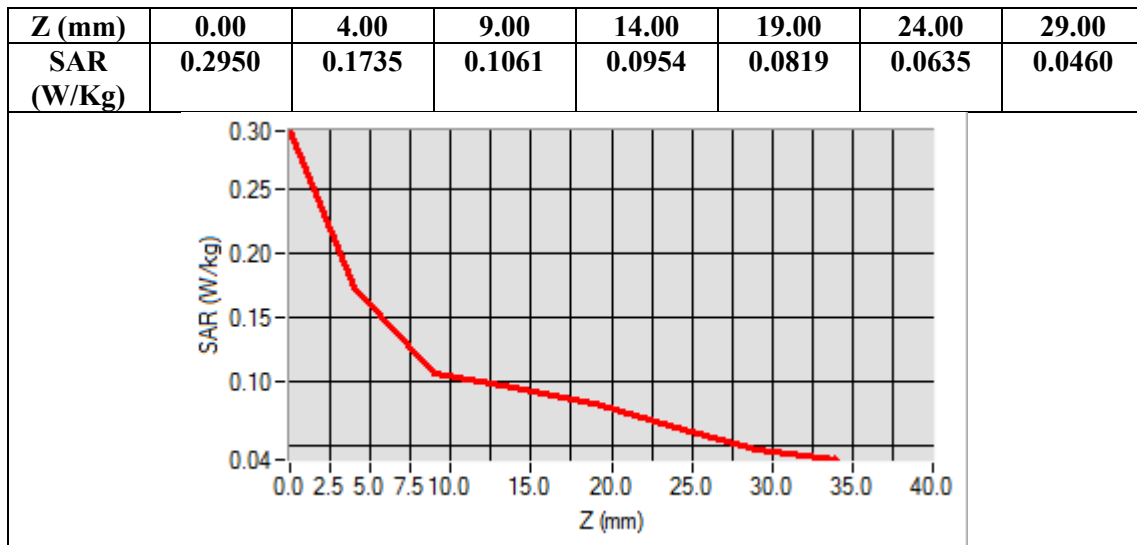
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 4.0)



Maximum location: X=5.00, Y=31.00

SAR Peak: 0.31 W/kg

SAR 10g (W/Kg)	0.121071
SAR 1g (W/Kg)	0.180659



Test Laboratory: AGC Lab
PCS 1900 Mid-Touch- Left <SIM 1>
DUT: Smart Phone; Type: PL571

Date: Mar. 17,2020

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=4.48;
Frequency: 1880 MHz; Medium parameters used: $f = 1850$ MHz; $\sigma = 1.35$ mho/m; $\epsilon_r = 40.32$; $\rho = 1000$ kg/m³ ;
Phantom section: Left Section
Ambient temperature (°C): 20.9, Liquid temperature (°C): 20.6

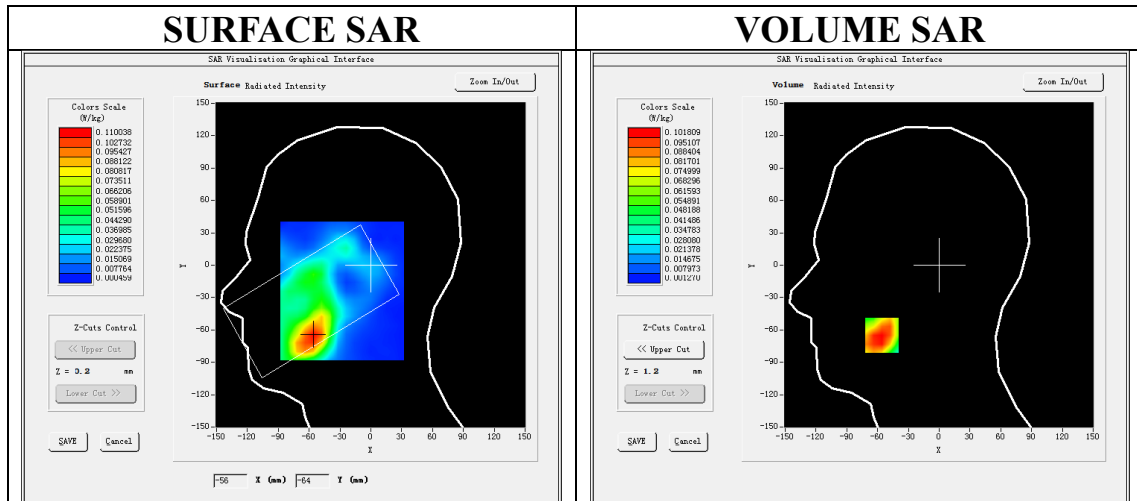
SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

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;

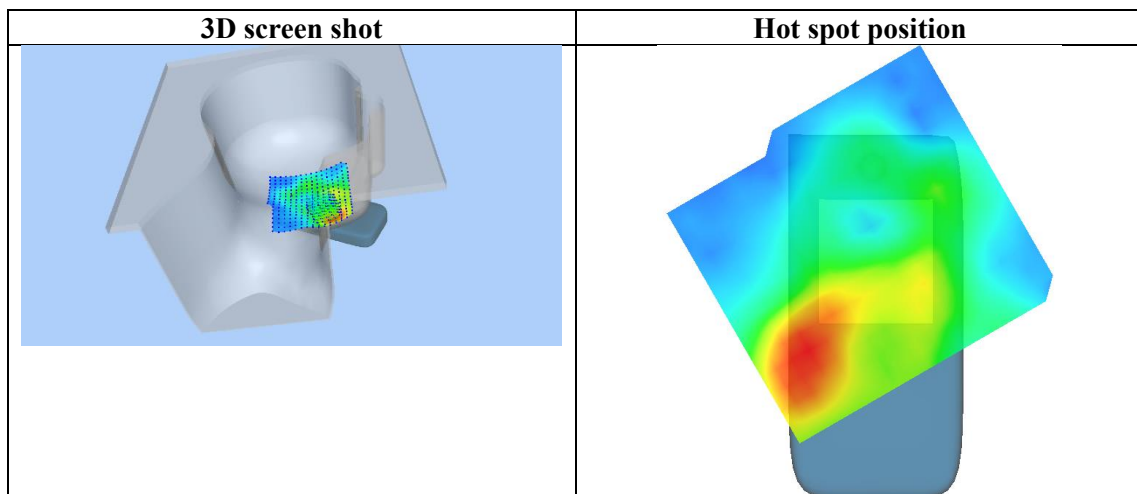
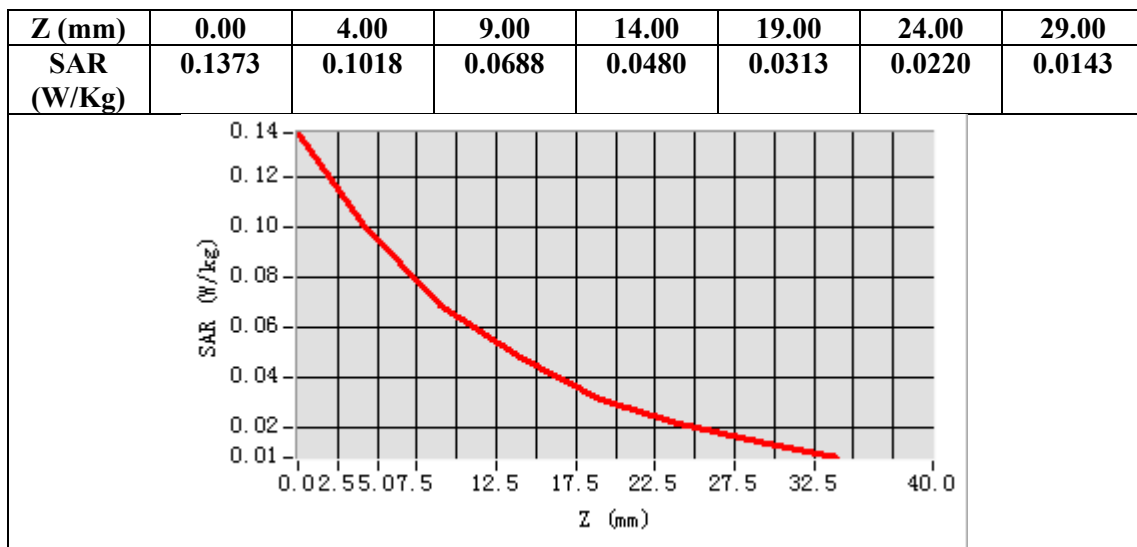
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=-56.00, Y=-65.00

SAR Peak: 0.16 W/kg

SAR 10g (W/Kg)	0.060370
SAR 1g (W/Kg)	0.100936



Test Laboratory: AGC Lab
PCS 1900 Mid-Body-Back (MS)<SIM 1>
DUT: Smart Phone; Type: PL571

Date: Mar. 17,2020

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=4.60;
Frequency: 1880 MHz; Medium parameters used: $f = 1850$ MHz; $\sigma = 1.35$ mho/m; $\epsilon_r = 40.32$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 20.9, Liquid temperature (°C): 20.6

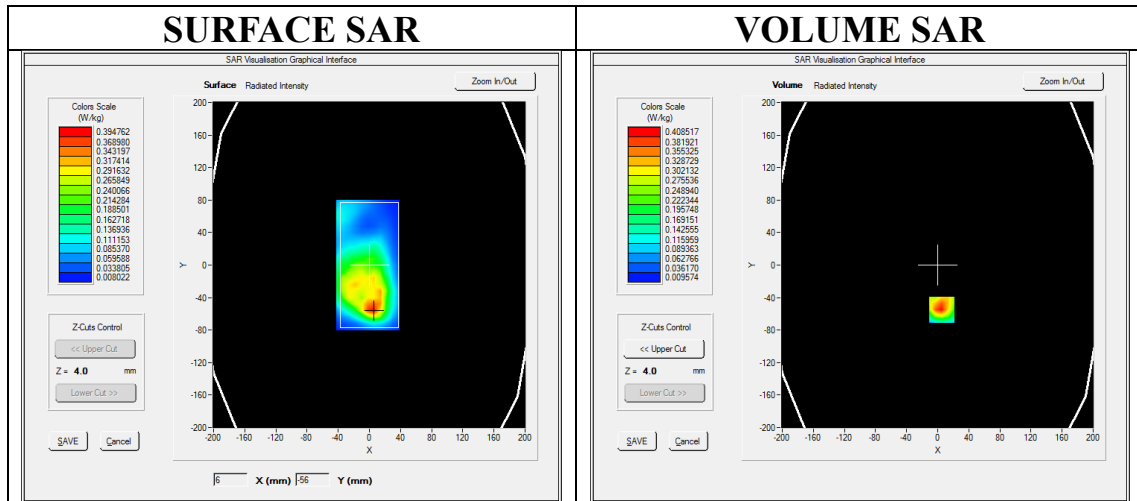
SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

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;

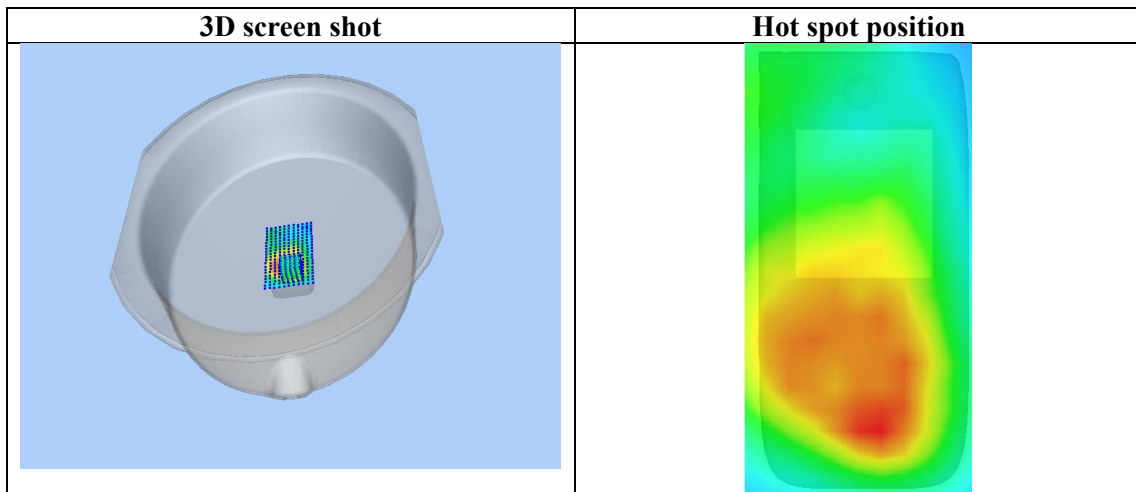
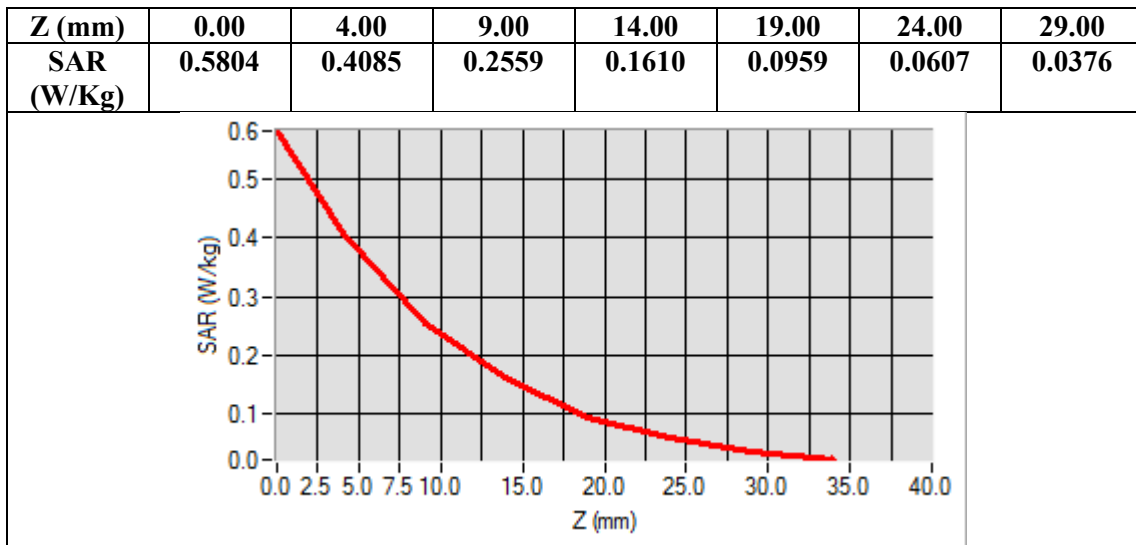
Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=5.00, Y=-55.00

SAR Peak: 0.60 W/kg

SAR 10g (W/Kg)	0.213390
SAR 1g (W/Kg)	0.383537



Test Laboratory: AGC Lab
GPRS 1900 High-Edge 3(3up)
DUT: Smart Phone; Type: PL571

Date: Mar. 17,2020

Communication System: GPRS-3Slot; Communication System Band: PCS 1900; Duty Cycle: 1:2.7; Conv.F=4.60;
Frequency: 1909.8 MHz; Medium parameters used: $f = 1850$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 38.92$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 20.9, Liquid temperature (°C): 20.6

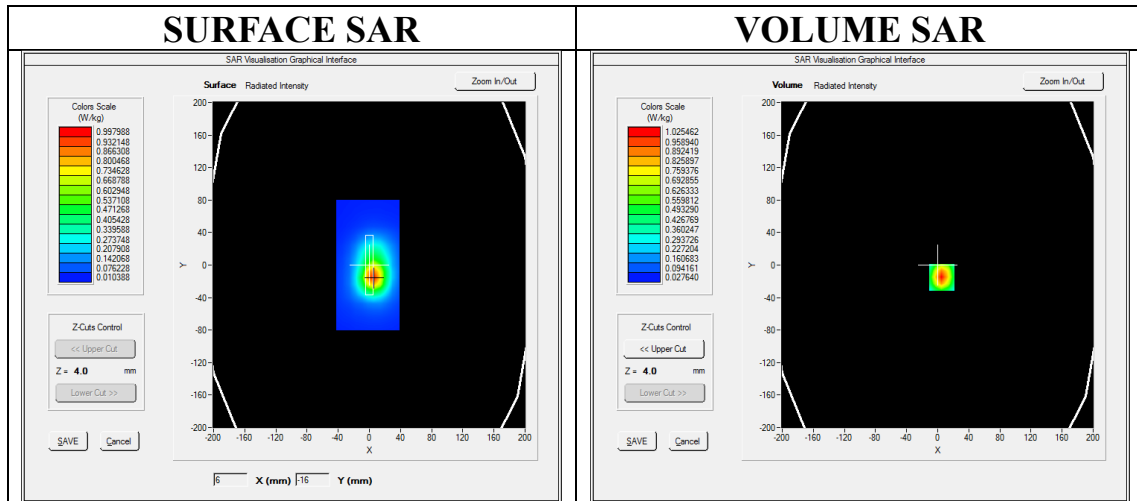
SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/GPRS1900 High-Edge 3/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/GPRS1900 High-Edge 3/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

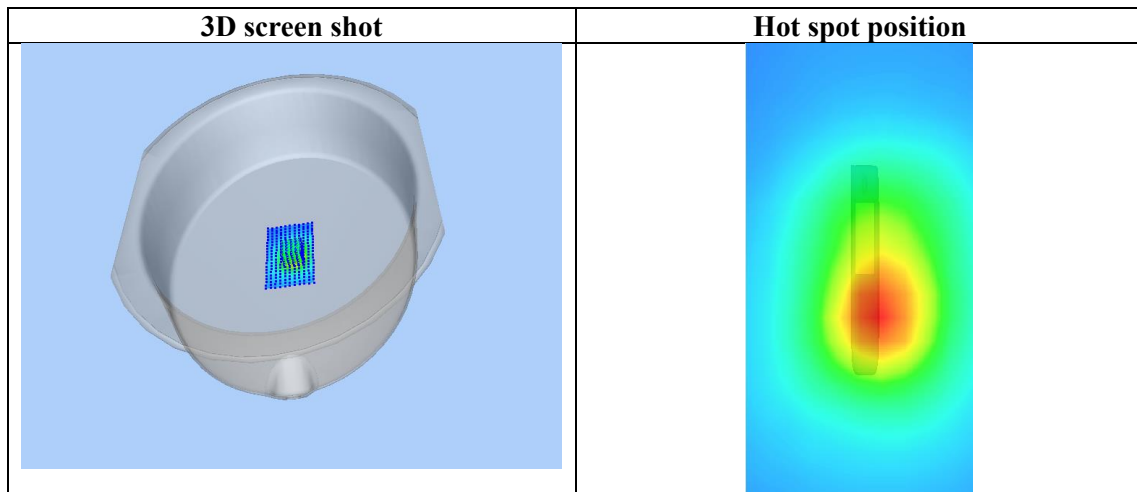
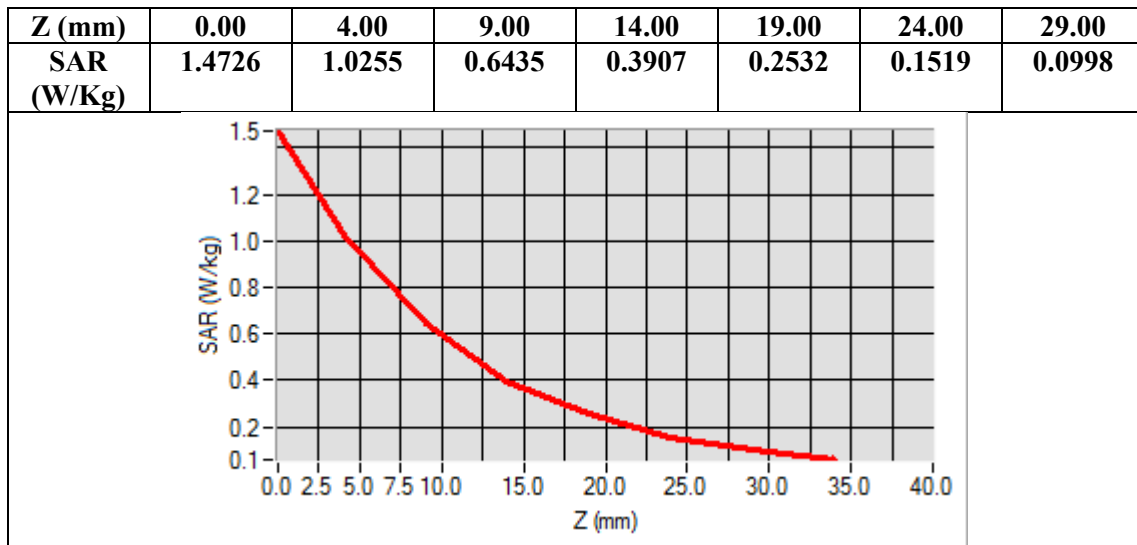
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Edge 3
Band	PCS 1900
Channels	High
Signal	TDMA (Crest factor: 2.7)



Maximum location: X=5.00, Y=-15.00

SAR Peak: 1.47 W/kg

SAR 10g (W/Kg)	0.528394
SAR 1g (W/Kg)	0.944077



Test Laboratory: AGC Lab
WCDMA Band II Mid-Touch-Right (RMC)
DUT: Smart Phone; Type: PL571

Date: Mar. 17,2020

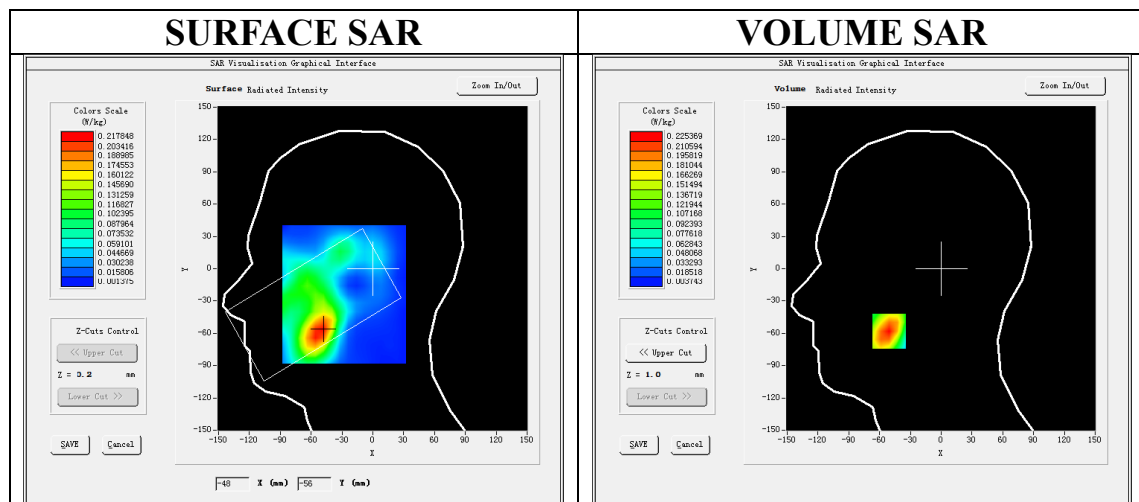
Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=4.48;
Frequency: 1880 MHz; Medium parameters used: f = 1850 MHz; $\sigma = 1.35$ mho/m; $\epsilon_r = 40.32$; $\rho = 1000$ kg/m³ ;
Phantom section: Right Section
Ambient temperature (°C): 20.9, Liquid temperature (°C): 20.6

SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

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

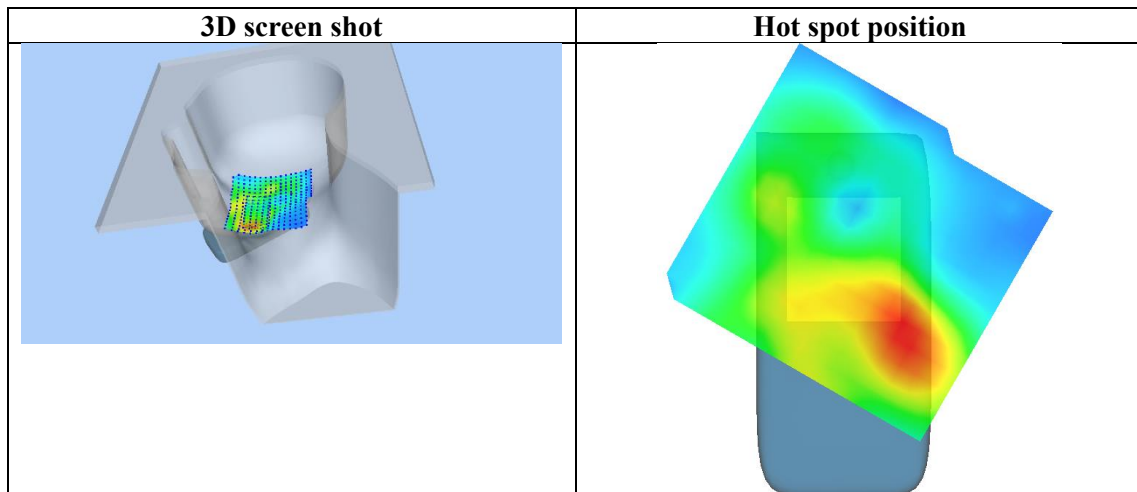
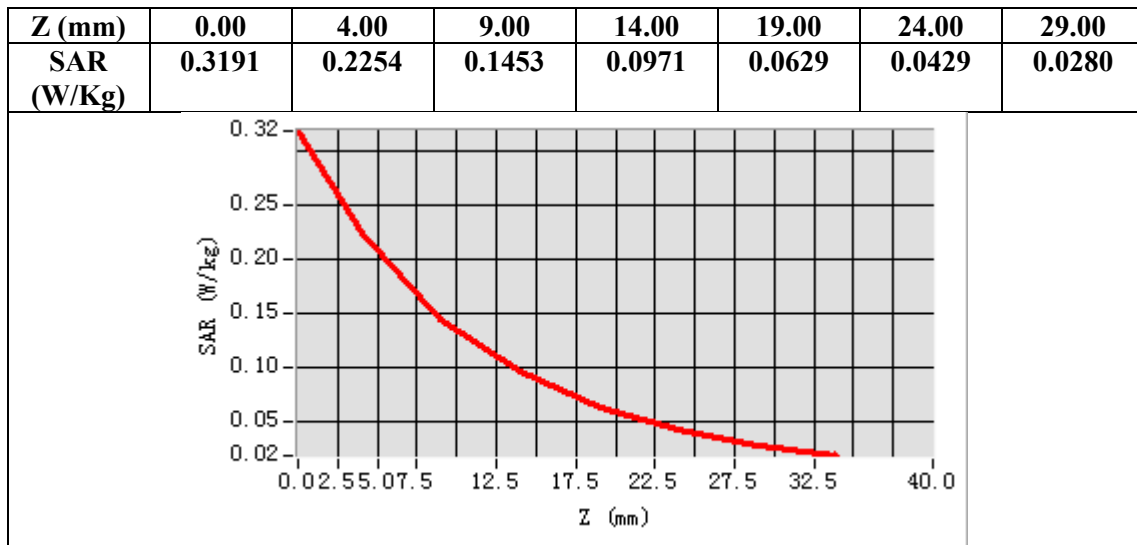
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	WCDMA band II
Channels	Middle
Signal	CDMA (Crest factor: 1.0)



Maximum location: X=-51.00, Y=-58.00

SAR Peak: 0.32 W/kg

SAR 10g (W/Kg)	0.128505
SAR 1g (W/Kg)	0.213493



Test Laboratory: AGC Lab
WCDMA Band II Low-Edge 3(RMC)
DUT: Smart Phone; Type: PL571

Date: Mar. 17,2020

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=4.60
Frequency: 1852.4 MHz; Medium parameters used: $f = 1850$ MHz; $\sigma = 1.35$ mho/m; $\epsilon_r = 41.13$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 20.9, Liquid temperature (°C): 20.6

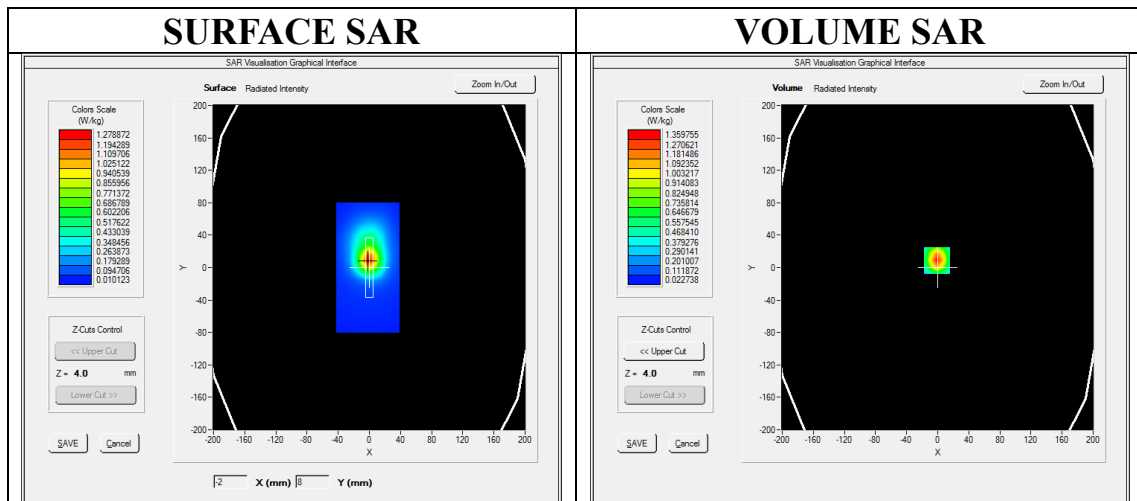
SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ WCDMA band II Low -Edge 3/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ WCDMA band II Low -Edge 3/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Edge 3
Band	WCDMA band II
Channels	Low
Signal	CDMA (Crest factor: 1.0)

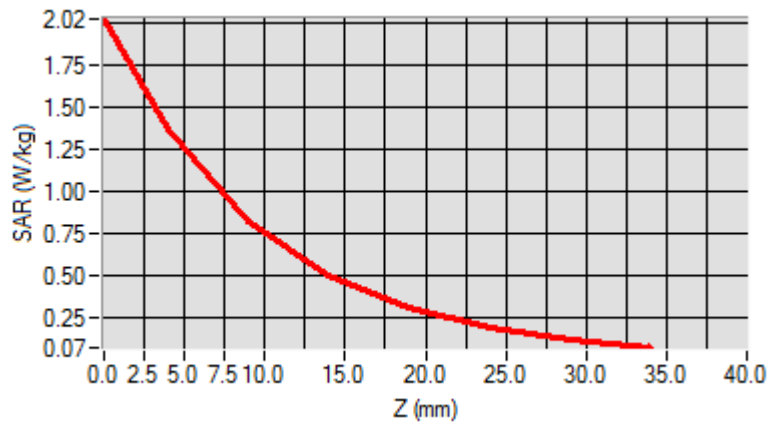


Maximum location: X=-1.00, Y=9.00

SAR Peak: 2.01 W/kg

SAR 10g (W/Kg)	0.675455
SAR 1g (W/Kg)	1.161151

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	2.0180	1.3598	0.8172	0.4967	0.3005	0.1813	0.1090



3D screen shot	Hot spot position
<p>A 3D perspective view of a white, shallow bowl. On the bottom surface of the bowl, there is a small, square grid of blue dots, representing the location of the hot spot.</p>	<p>A vertical heatmap showing the spatial distribution of SAR. The central region is colored red and orange, indicating the highest SAR values (the hot spot). This central region is surrounded by concentric rings of yellow, green, and cyan, with the outermost regions being blue, indicating lower SAR values.</p>

Test Laboratory: AGC Lab
WCDMA Band IV Mid-Tilt-Right (RMC)
DUT: Smart Phone; Type: PL571

Date: TTDD4

Communication System: UMTS; Communication System Band: BAND IV UTRA/FDD; Duty Cycle:1: 1; Conv.F=4.05;
Frequency:1732.5 MHz; Medium parameters used: $f = 1800$ MHz; $\sigma = \delta G$ mho/m; $\epsilon_r = \epsilon_r G$; $\rho = 1000$ kg/m³ ;
Phantom section: Right Section
Ambient temperature (°C): TAPA4, Liquid temperature (°C): TTPPG

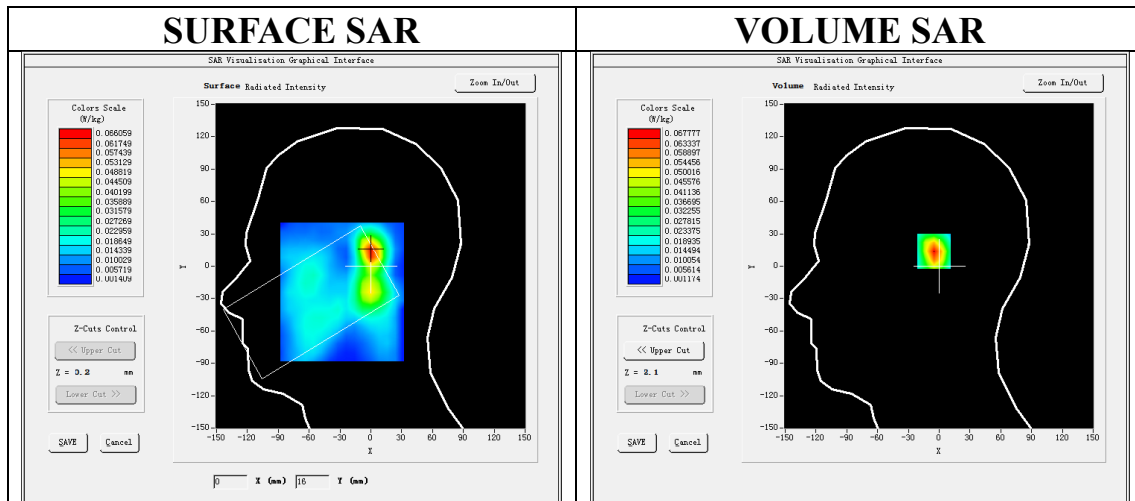
SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

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

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

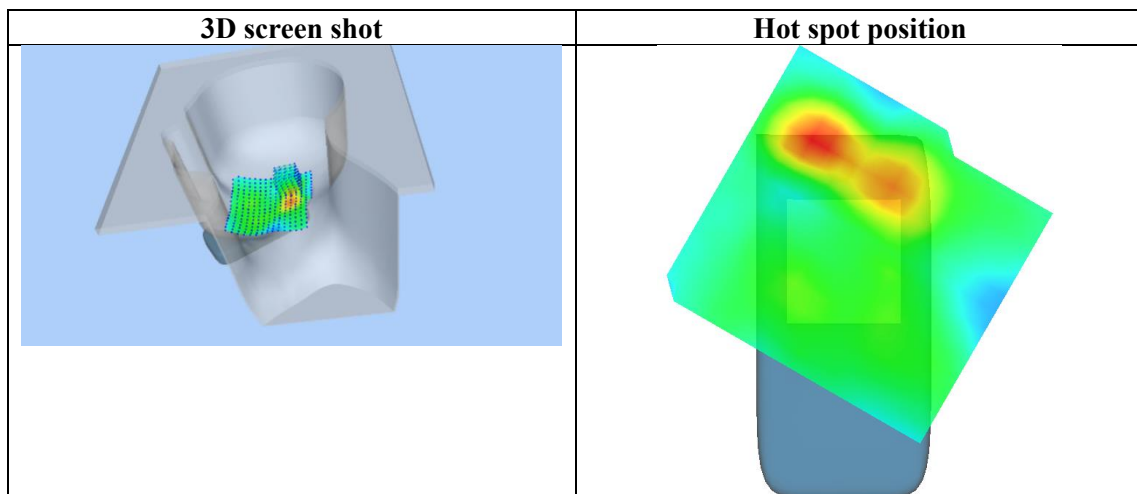
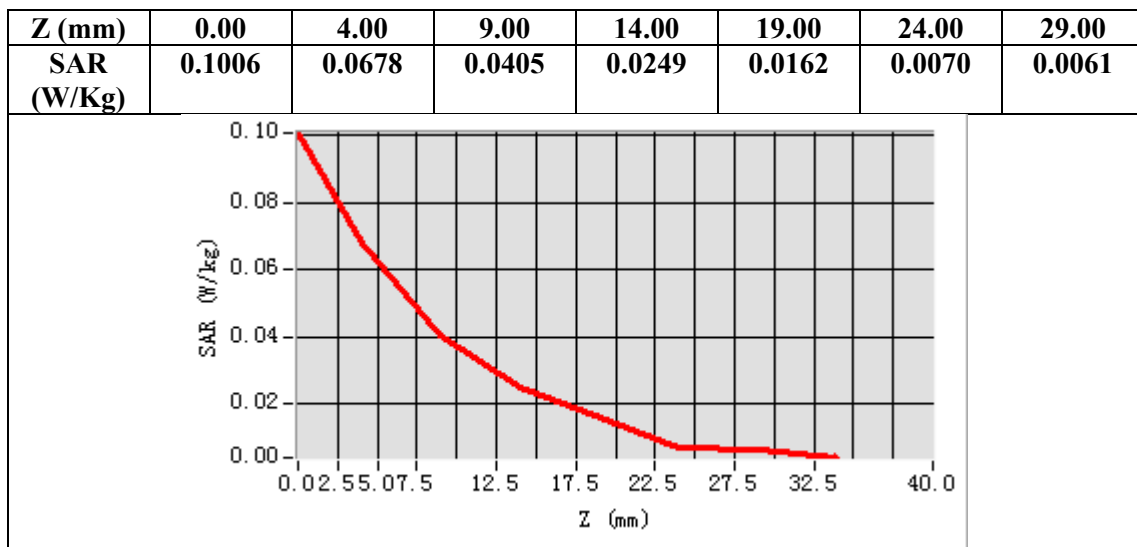
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Tilt
Band	WCDMA Band IV
Channels	Middle
Signal	CDMA (Crest factor: 1.0)



Maximum location: X=0.00, Y=14.00

SAR Peak: 0.10 W/kg

SAR 10g (W/Kg)	0.033535
SAR 1g (W/Kg)	0.062534



Test Laboratory: AGC Lab
WCDMA Band IV Mid-Body-Towards Grounds (RMC)
DUT: Smart Phone; Type: PL571

Date: TTDD4

Communication System: UMTS; Communication System Band: BAND IV UTRA/FDD; Duty Cycle:1: 1; Conv.F=4.19;
Frequency:1732.5 MHz; Medium parameters used: $f = 1800$ MHz; $\sigma = \delta G$ mho/m; $\epsilon_r = \epsilon_r G$; $\rho = 1000$ kg/m³;
Phantom section: Flat Section
Ambient temperature (°C): TAPA4, Liquid temperature (°C): TTPPG

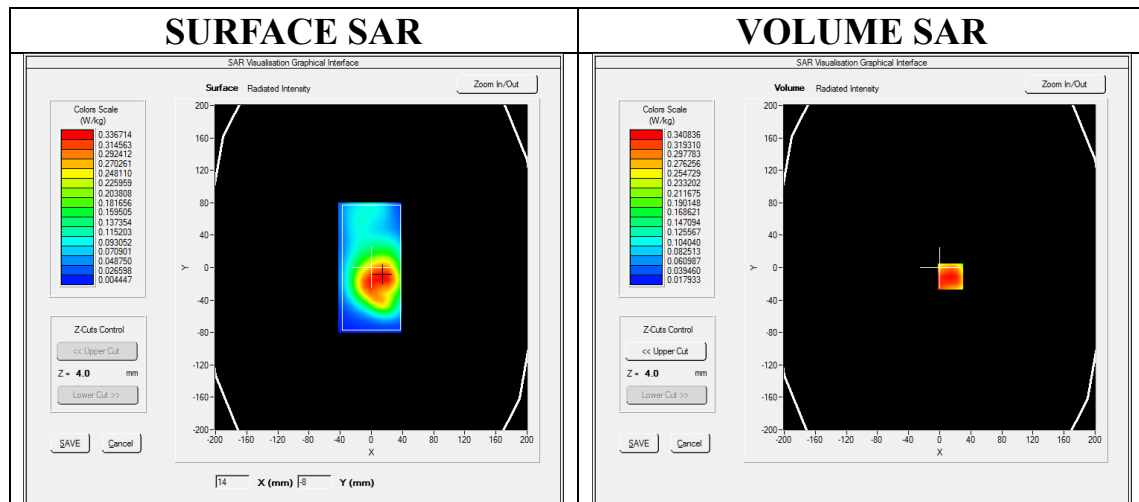
SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

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

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

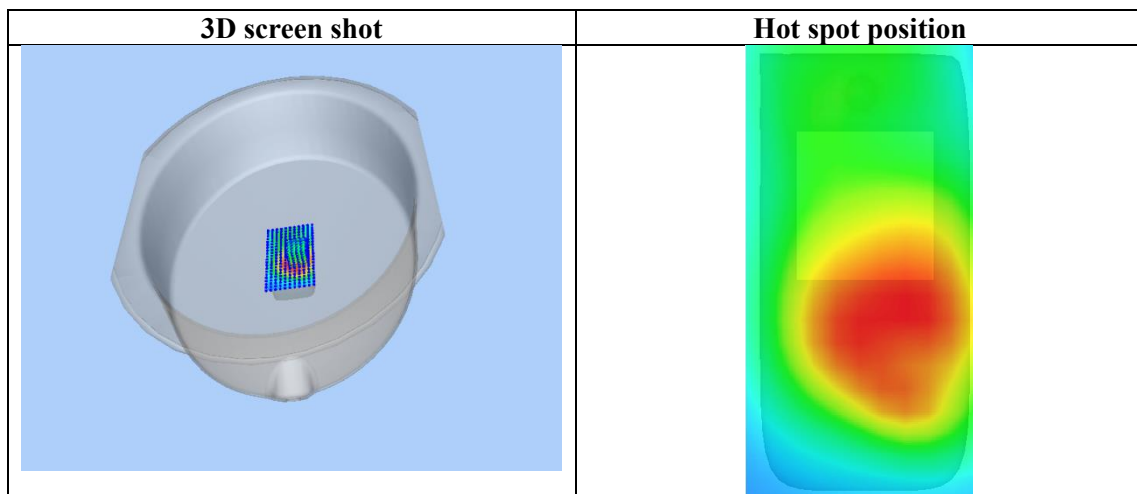
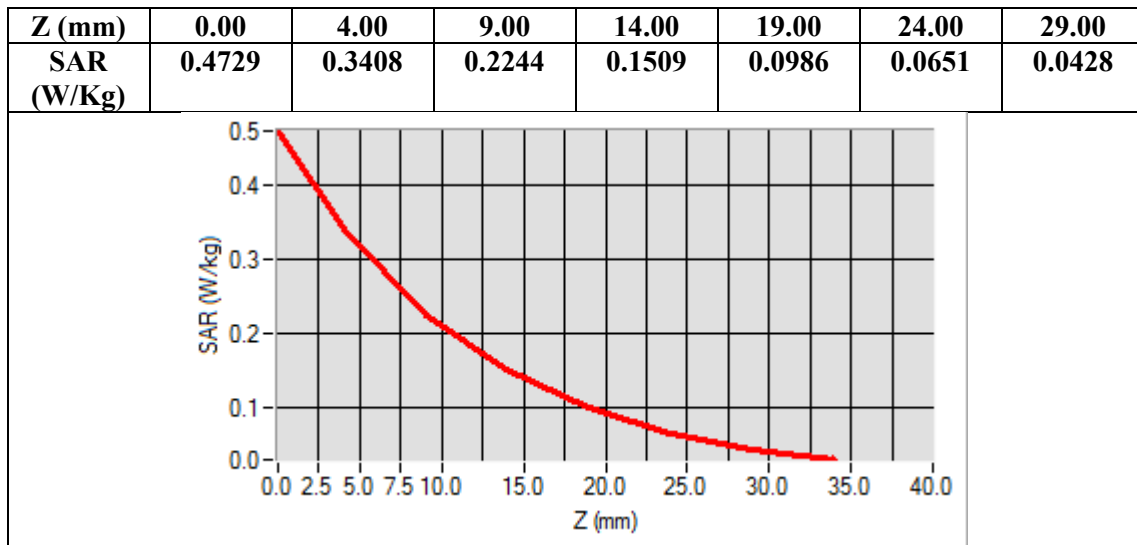
Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	WCDMA Band IV
Channels	Middle
Signal	CDMA (Crest factor: 1.0)



Maximum location: X=14.00, Y=-11.00

SAR Peak: 0.48 W/kg

SAR 10g (W/Kg)	0.210763
SAR 1g (W/Kg)	0.328790



Test Laboratory: AGC Lab
WCDMA Band V Mid-Touch-Left (RMC)
DUT: Smart Phone; Type: PL571

Date: Mar. 25,2020

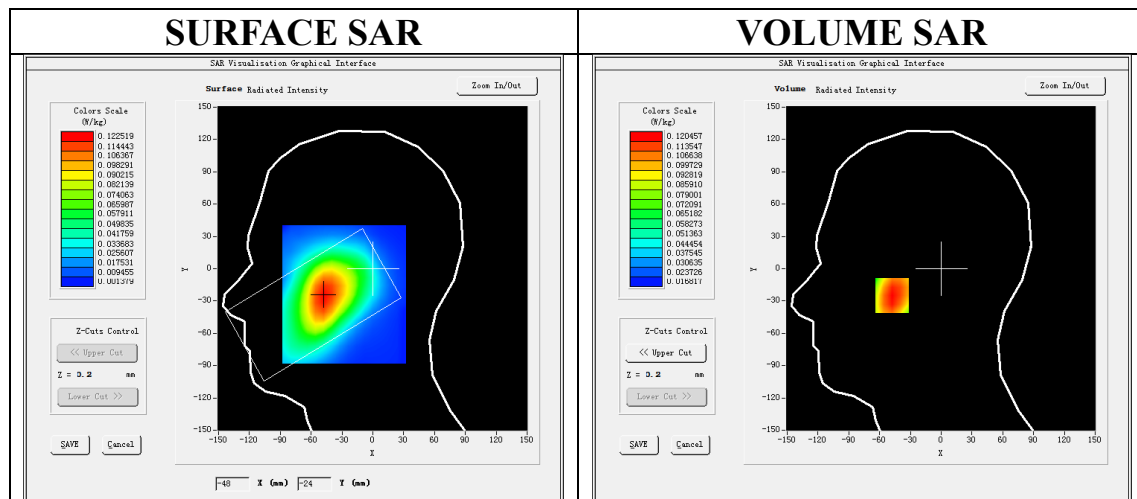
Communication System: UMTS; Communication System Band: BAND V UTRA/FDD ; Duty Cycle:1: 1; Conv.F=5.05;
Frequency: 836.6 MHz; Medium parameters used: $f = 835\text{MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.95$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Left Section
Ambient temperature (°C): 21.1, Liquid temperature (°C): 20.8

SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

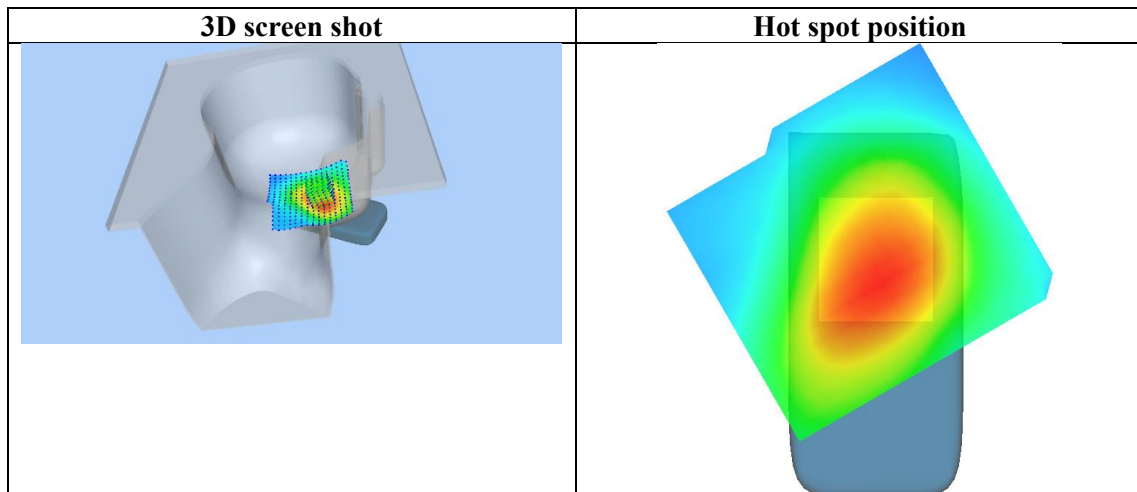
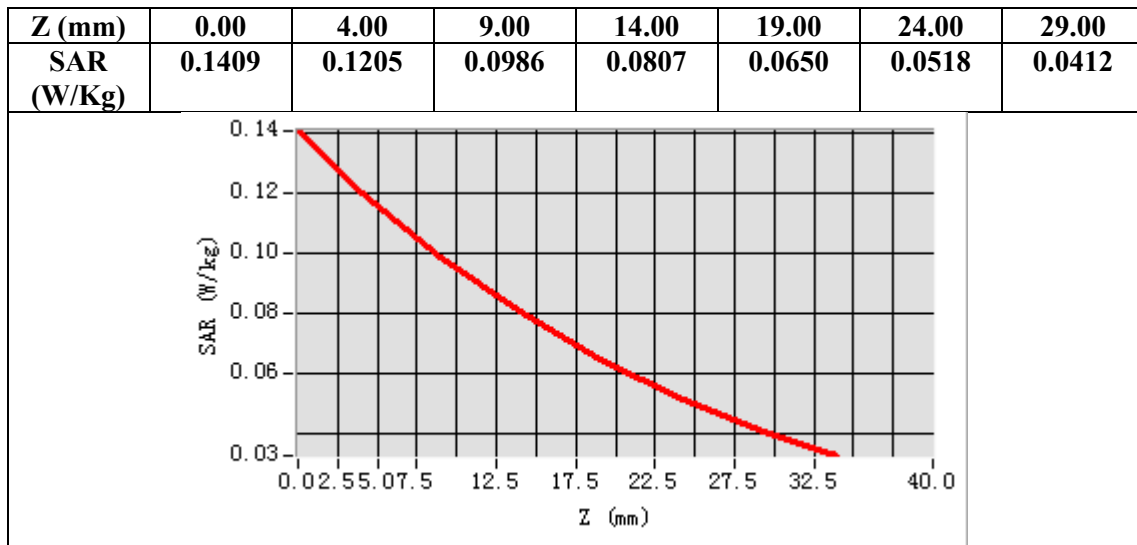
Configuration/ WCDMA Band V Mid-Touch-Left/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA Band V Mid-Touch-Left/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	WCDMA Band V
Channels	Middle
Signal	CDMA (Crest factor: 1.0)



Maximum location: X=-48.00, Y=-25.00
SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.089351
SAR 1g (W/Kg)	0.116799



Test Laboratory: AGC Lab

Date: Mar. 25,2020

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

DUT: Smart Phone; Type: PL571

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD; Duty Cycle:1: 1; Conv.F=5.19;
Frequency: 836.6 MHz; Medium parameters used: $f = 835\text{MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 41.95$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section
Ambient temperature (°C): 21.1, Liquid temperature (°C): 20.8

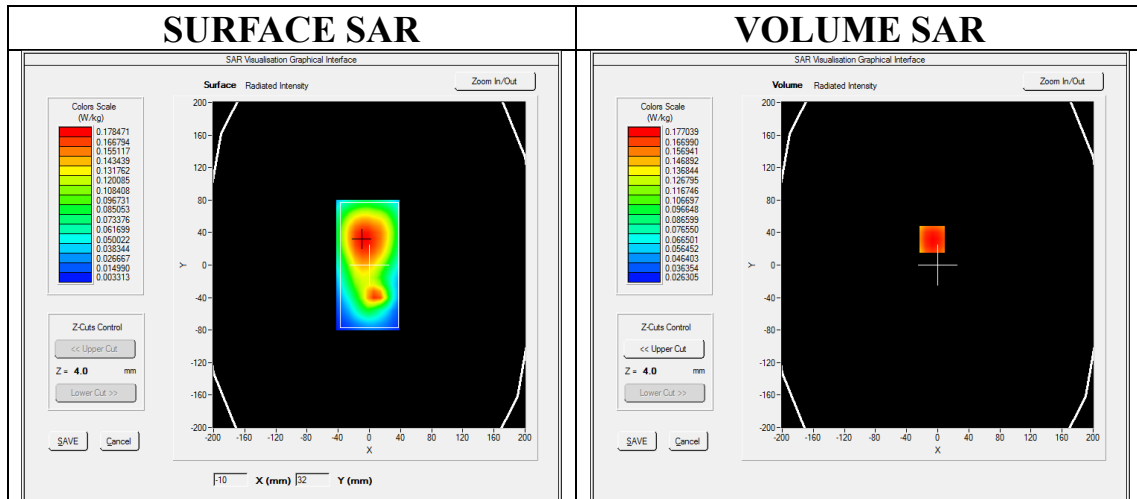
SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

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

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

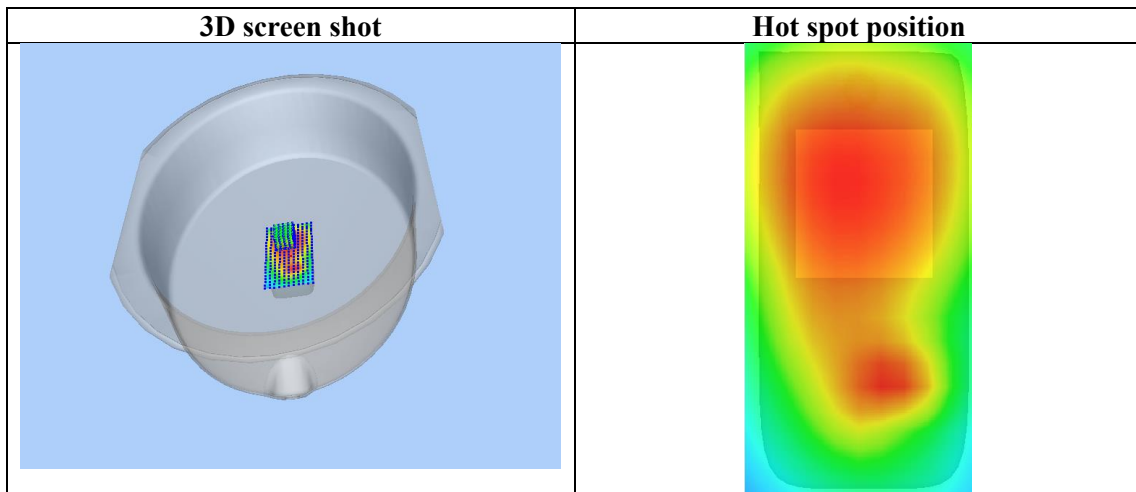
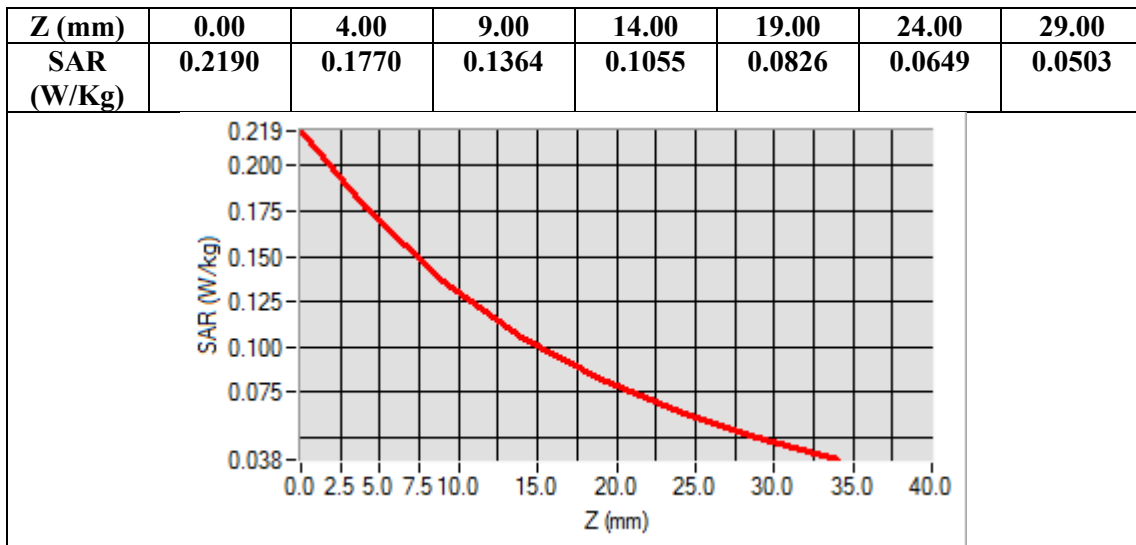
Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	WCDMA Band V
Channels	Middle
Signal	CDMA (Crest factor: 1.0)



Maximum location: X=-7.00, Y=32.00

SAR Peak: 0.22 W/kg

SAR 10g (W/Kg)	0.128606
SAR 1g (W/Kg)	0.172031



Test Laboratory: AGC Lab
LTE Band 2 Mid-Touch-Right (1 RB#0)
DUT: Smart Phone; Type: PL571

Date: Mar. 24,2020

Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=4.48;
Frequency:1880MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.35$ mho/m; $\epsilon_r = 40.23$; $\rho = 1000$ kg/m³ ;
Phantom section: **Right Section**
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.3

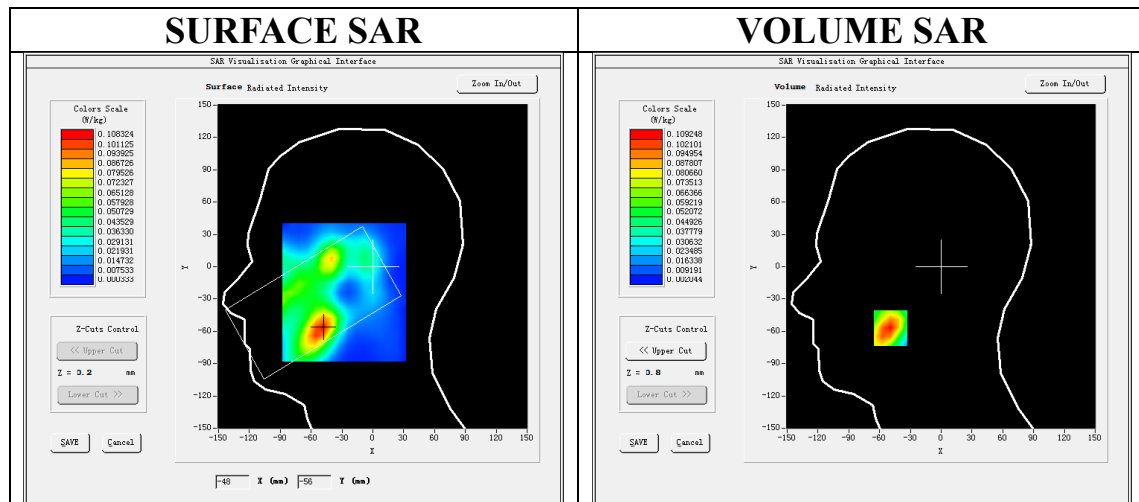
SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

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

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

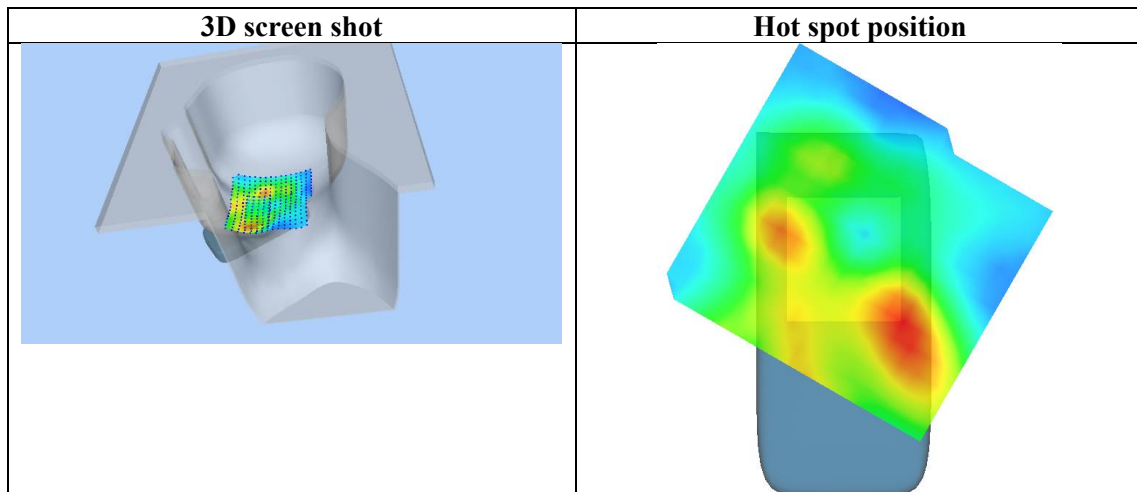
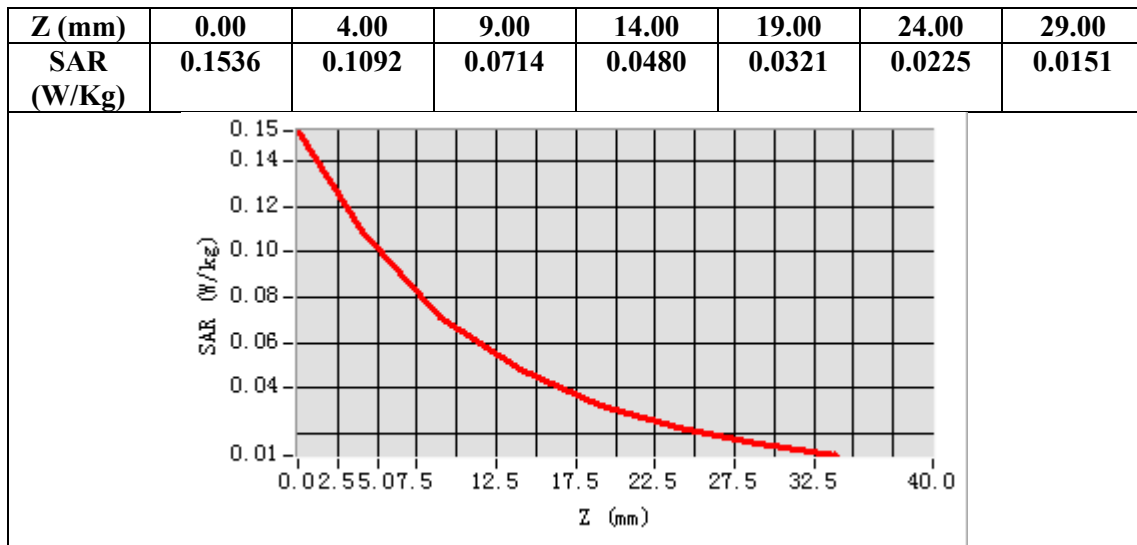
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 2
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=-49.00, Y=-57.00

SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.061844
SAR 1g (W/Kg)	0.103753



Test Laboratory: AGC Lab
LTE Band 2 High- Edge 3 (1 RB#0)
DUT: Smart Phone; Type: PL571

Date: Mar. 24,2020

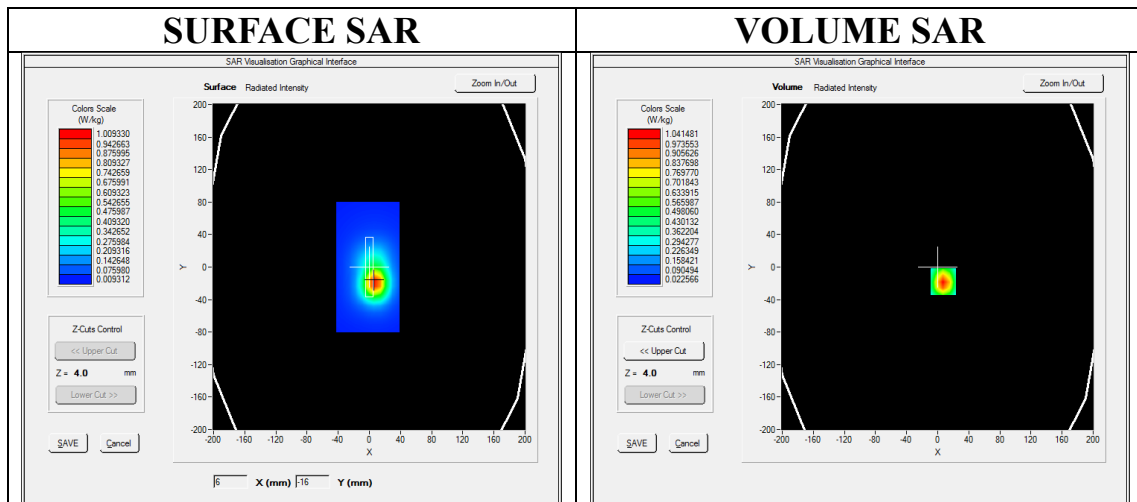
Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=4.60;
Frequency:1900MHz; Medium parameters used: $f = 1850$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.62$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.3

SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

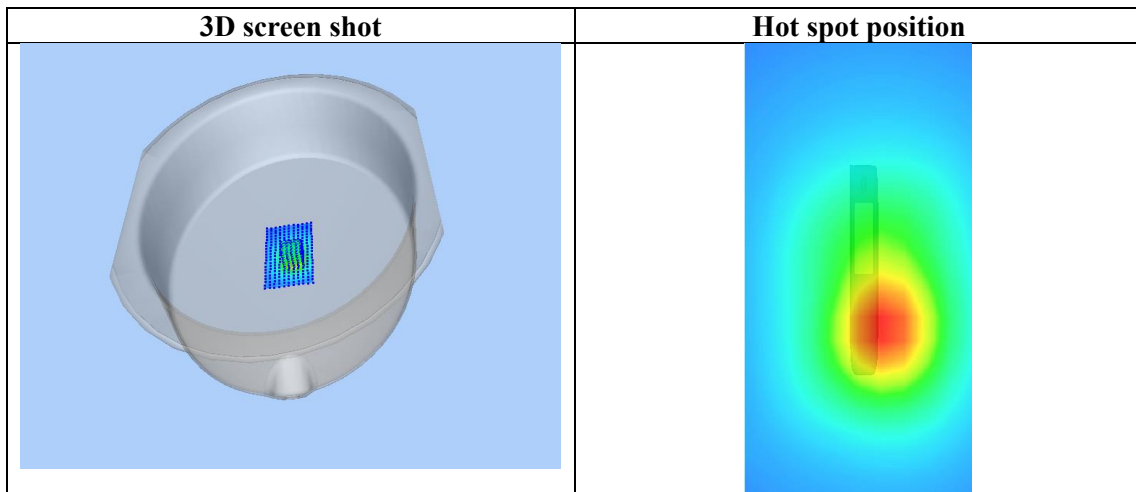
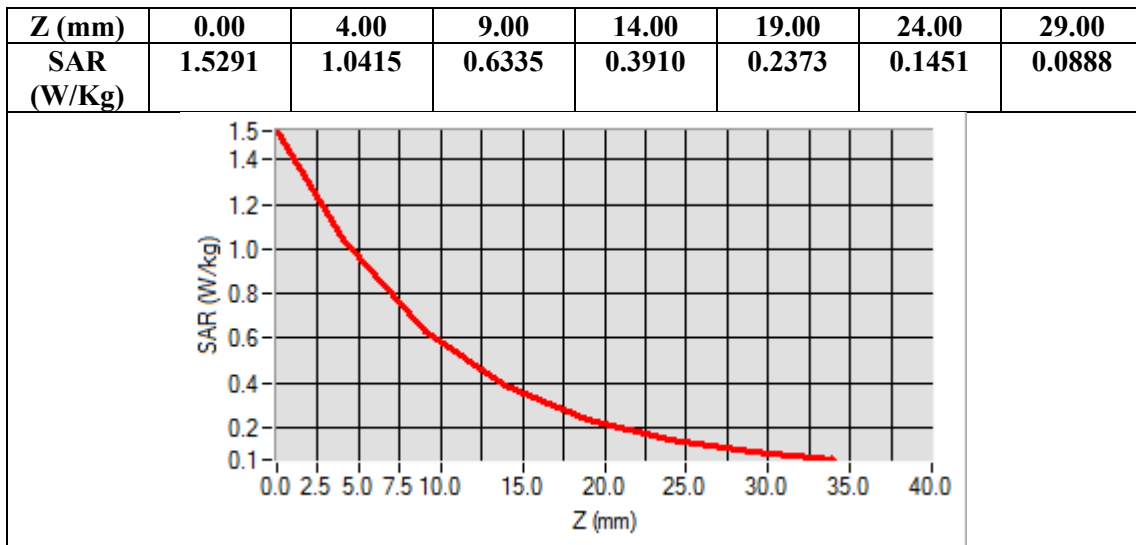
Configuration/ LTE Band 2 High- Edge 3 /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 2 High- Edge 3 /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge 3
Band	LTE Band 2
Channels	High
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=7.00, Y=-18.00
SAR Peak: 1.54 W/kg

SAR 10g (W/Kg)	0.526586
SAR 1g (W/Kg)	0.973328



Test Laboratory: AGC Lab
LTE Band 4 Mid-Touch-Right (1 RB#0)
DUT: Smart Phone; Type: PL571

Date: Mar. 19,2020

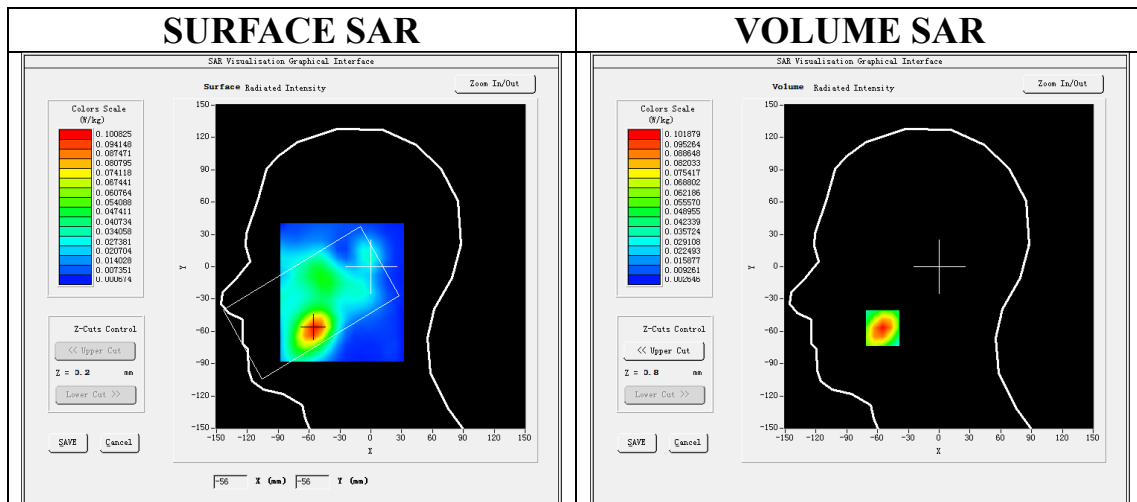
Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=4.05;
Frequency:1732.5 MHz; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.33$ mho/m; $\epsilon_r = 41.76$; $\rho = 1000$ kg/m³ ;
Phantom section: **Right Section**
Ambient temperature (°C): 21.2, Liquid temperature (°C): 20.9

SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

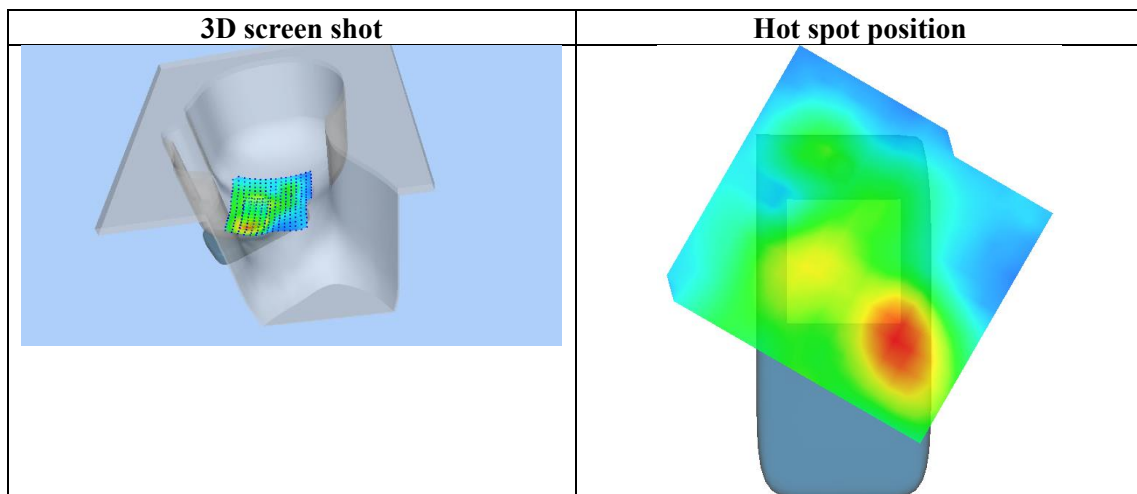
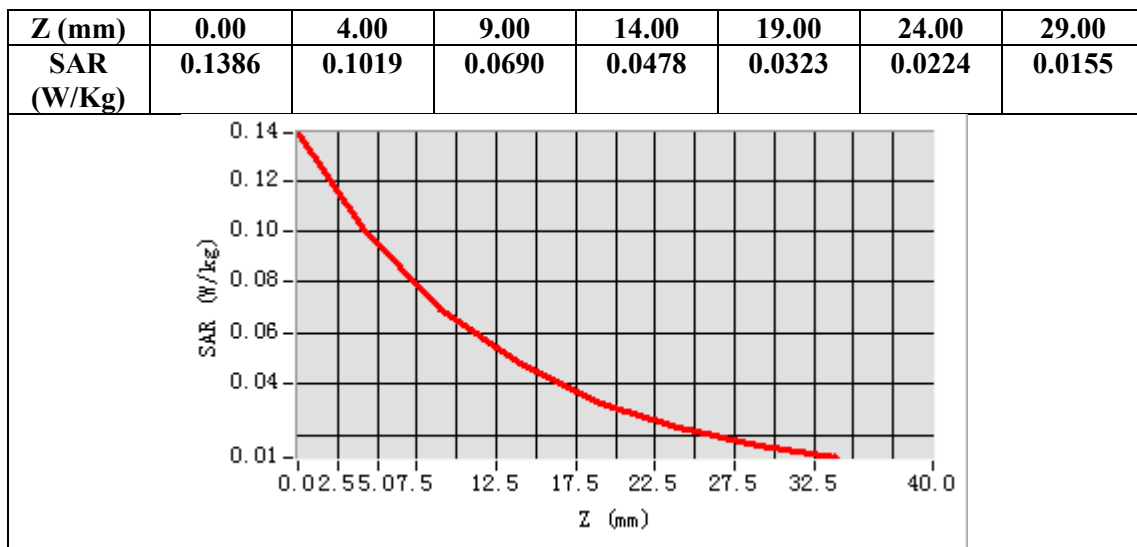
Configuration/ LTE Band 4 Mid- Touch-Right /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 4 Mid- Touch-Right /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	dx=8mm dy=8mm, h= 5.00 mm
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=-55.00, Y=-57.00
SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.058558
SAR 1g (W/Kg)	0.096133



Test Laboratory: AGC Lab
LTE Band 4 Mid- Edge3 (1 RB#0)
DUT: Smart Phone; Type: PL571

Date: Mar. 19,2020

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=4.19;
Frequency:1732.5 MHz; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.33$ mho/m; $\epsilon_r = 41.76$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.2, Liquid temperature (°C): 20.9

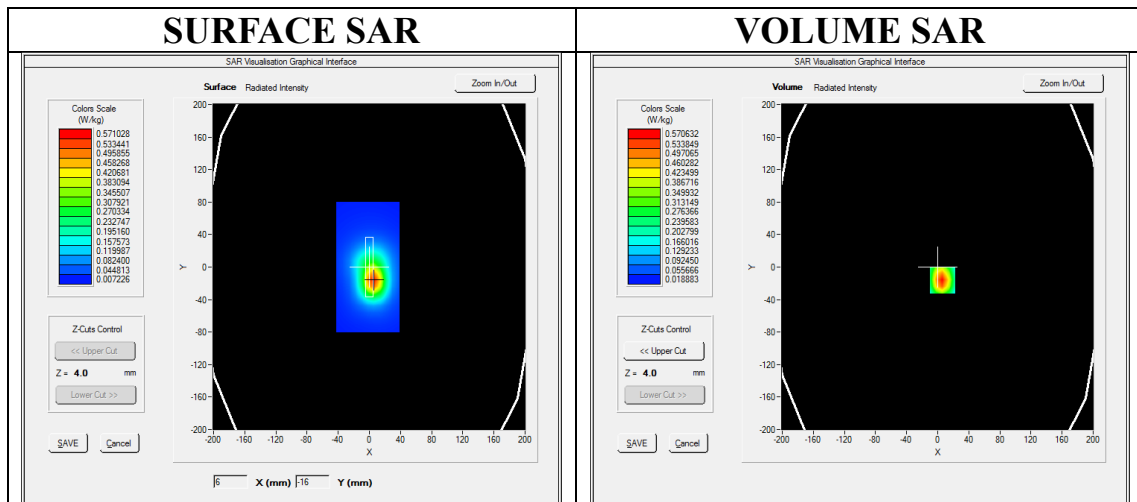
SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 4 Mid- Edge3 /Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band 4 Mid- Edge3 /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

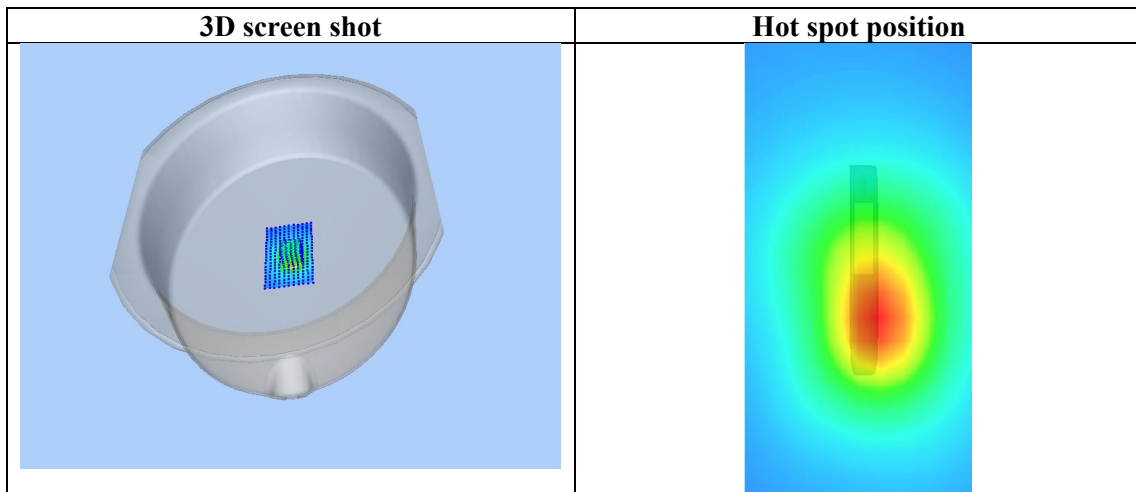
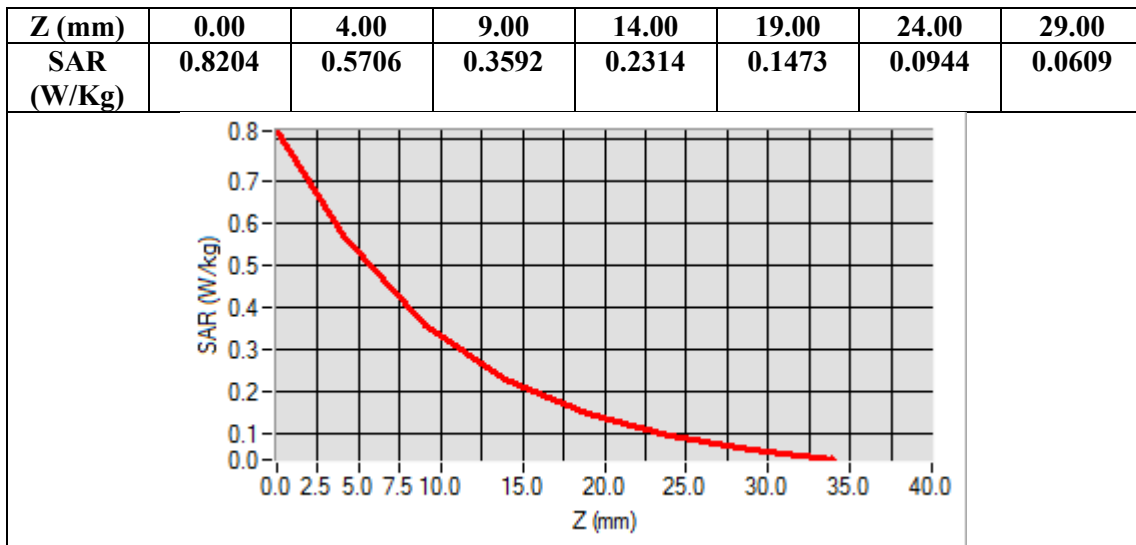
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge3
Band	LTE Band 4
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=6.00, Y=-16.00

SAR Peak: 0.82 W/kg

SAR 10g (W/Kg)	0.303096
SAR 1g (W/Kg)	0.536659



Test Laboratory: AGC Lab
LTE Band 7 Mid-Touch-Left (1RB#0)
DUT: Smart Phone; Type: PL571

Date: Mar. 18,2020

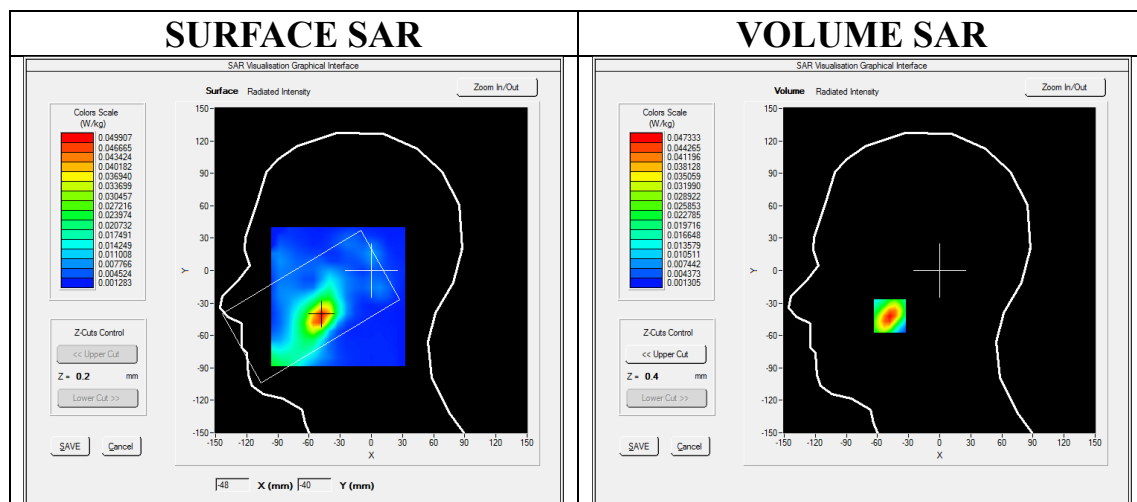
Communication System: LTE; Communication System Band: LTE Band 7; Duty Cycle:1:1; Conv.F=3.77
Frequency: 2535MHz; Medium parameters used: $f = 2600$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 39.76$; $\rho = 1000$ kg/m³ ;
Phantom section: Left Section
Ambient temperature (°C): 21.7, Liquid temperature (°C): 21.4

SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

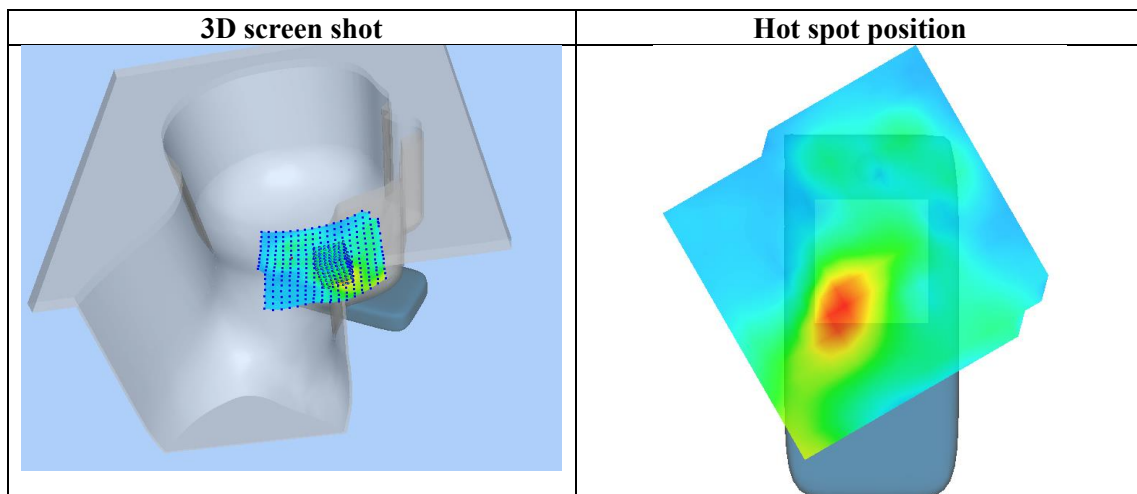
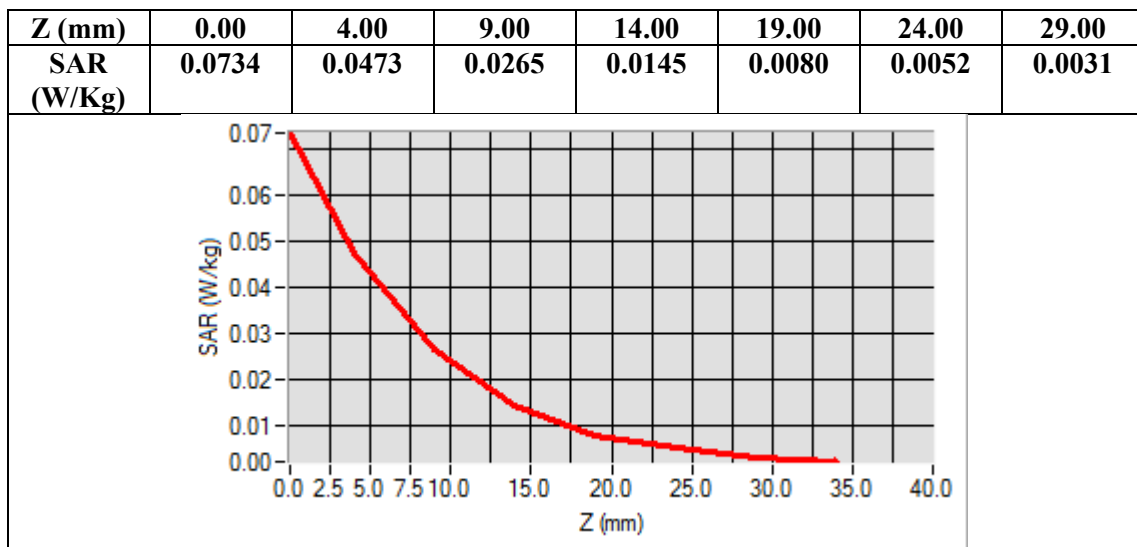
Configuration/ LTE BAND 7 Mid-Touch-Left/Area Scan: Measurement grid: dx=8mm, y=8mm
Configuration/ LTE BAND 7 Mid-Touch-Left/Zoom Scan: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE BAND 7
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=-48.00, Y=-42.00
SAR Peak: 0.07 W/kg

SAR 10g (W/Kg)	0.021600
SAR 1g (W/Kg)	0.042848



Test Laboratory: AGC Lab
LTE Band 7 Mid- Edge3 (1RB#0)
DUT: Smart Phone; Type: PL571

Date: Mar. 18,2020

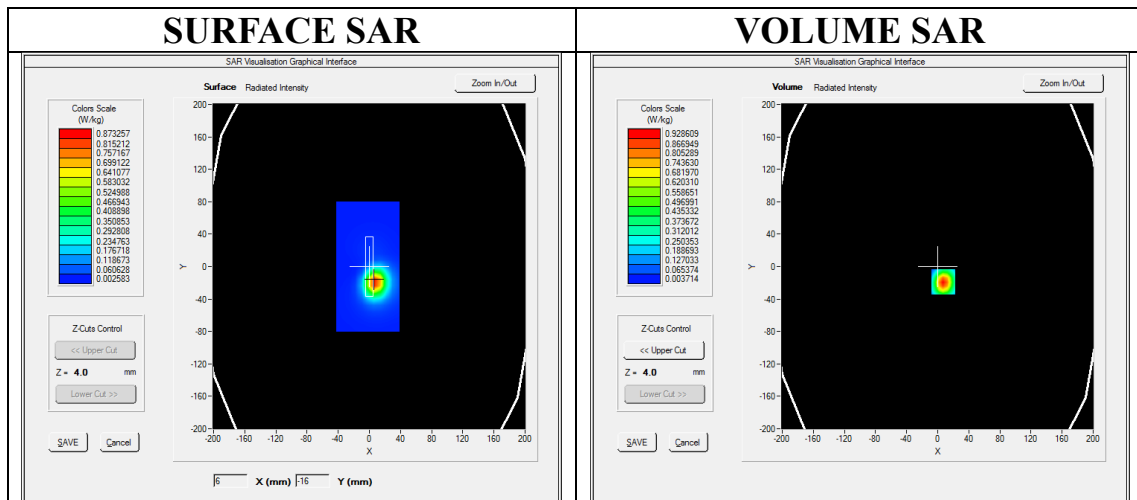
Communication System: LTE; Communication System Band: LTE Band 7; Duty Cycle:1:1; Conv.F=3.92
Frequency: 2535MHz; Medium parameters used: $f = 2600$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 39.76$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.7, Liquid temperature (°C): 21.4

SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE BAND 7 Mid- Edge3 /Area Scan: Measurement grid: dx=10mm, y=10mm
Configuration/ LTE BAND 7 Mid- Edge3 /Zoom Scan: Measurement grid: dx=5mm, dy=5mm, dz=5mm

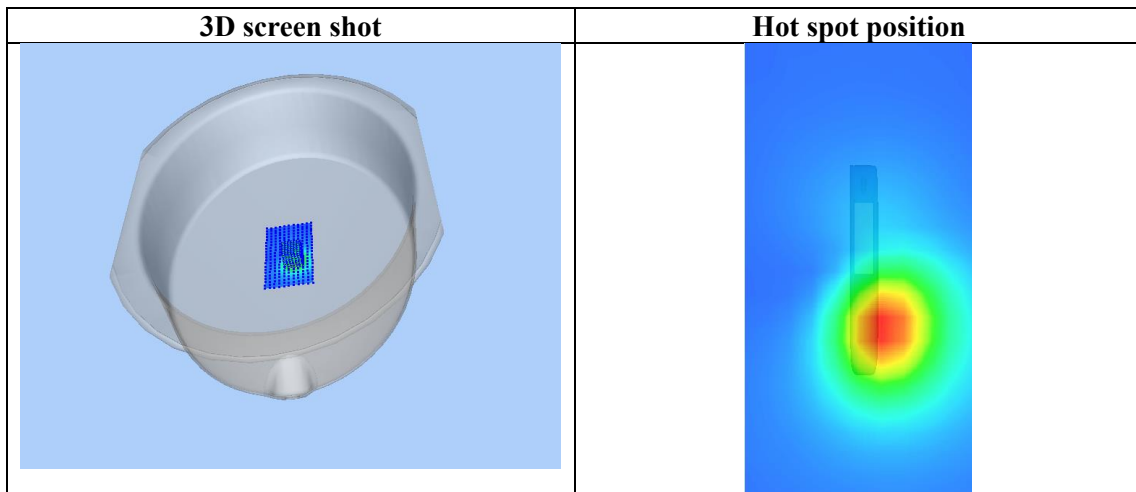
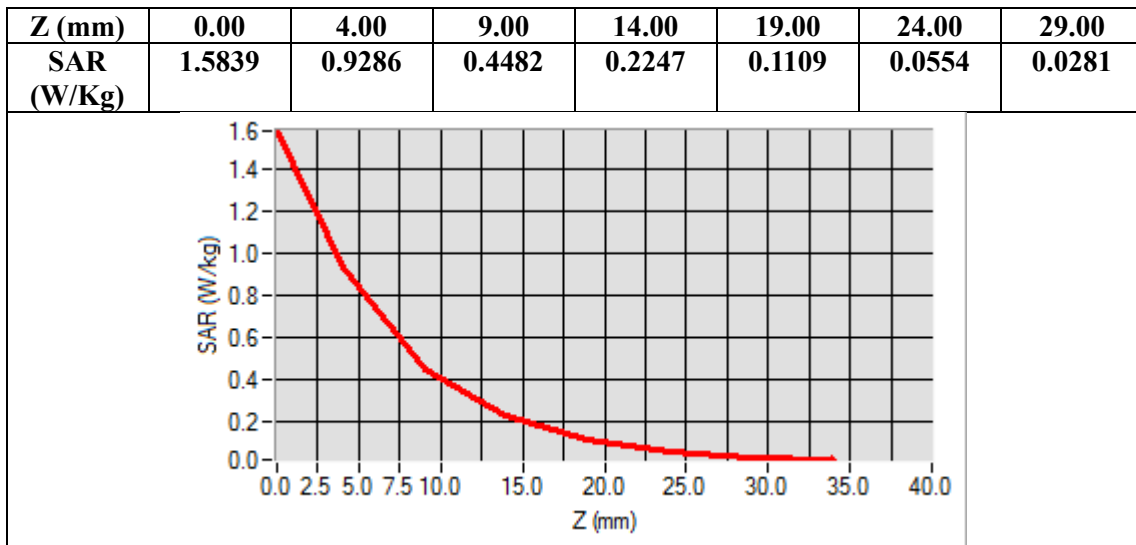
Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Edge3
Band	LTE BAND 7
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=7.00, Y=-19.00

SAR Peak: 1.56 W/kg

SAR 10g (W/Kg)	0.377704
SAR 1g (W/Kg)	0.741334



WIFI MODE

Test Laboratory: AGC Lab

802.11b Mid- Tilt -Left

DUT: Smart Phone; Type: PL571

Date: Mar. 23,2020

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=4.12;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.73$ mho/m; $\epsilon_r = 39.12$ $\rho = 1000$ kg/m³ ;
Phantom section: Left Section
Ambient temperature (°C):21.2, Liquid temperature (°C): 20.9

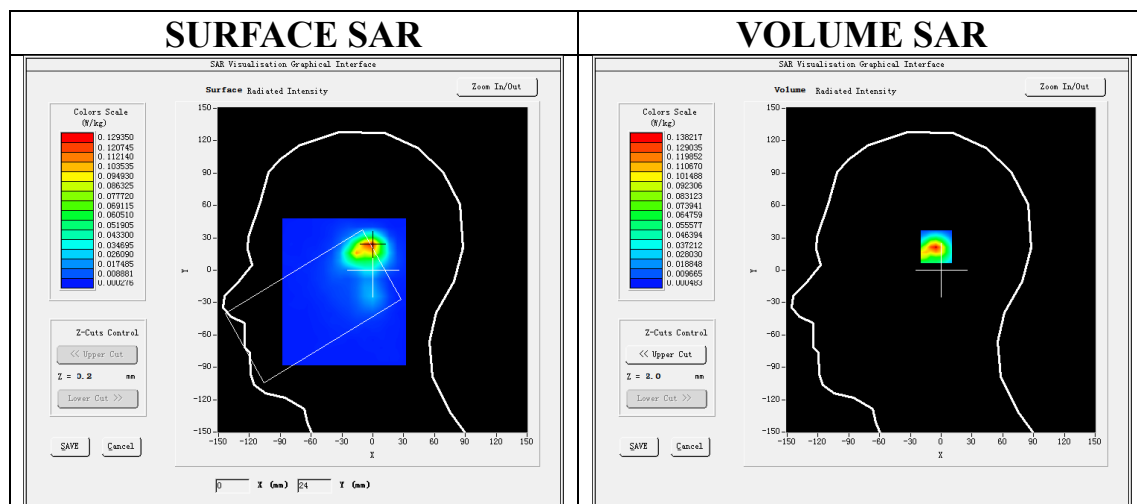
SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

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

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

Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Left head
Device Position	Tilt
Band	2450MHz
Channels	Middle
Signal	Crest factor: 1.0

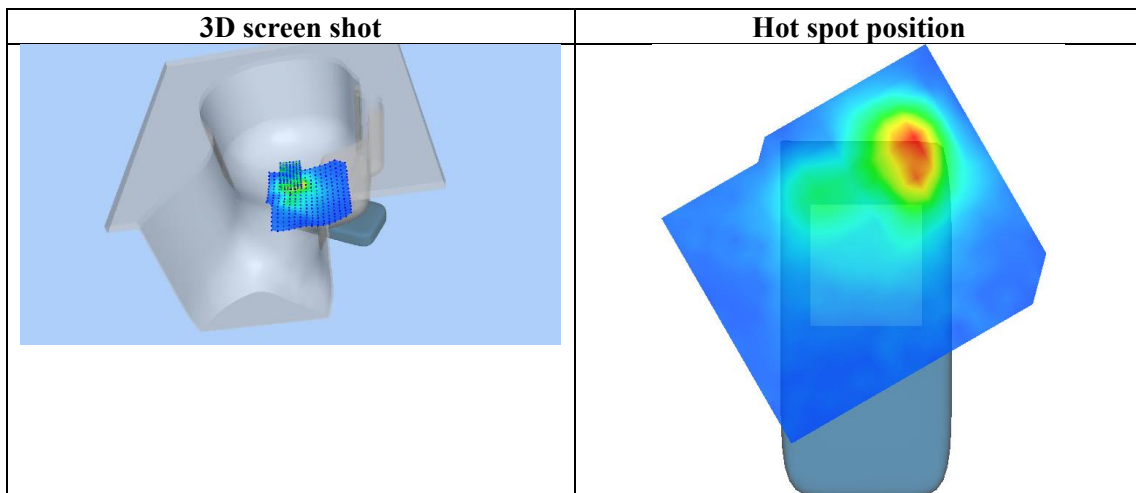
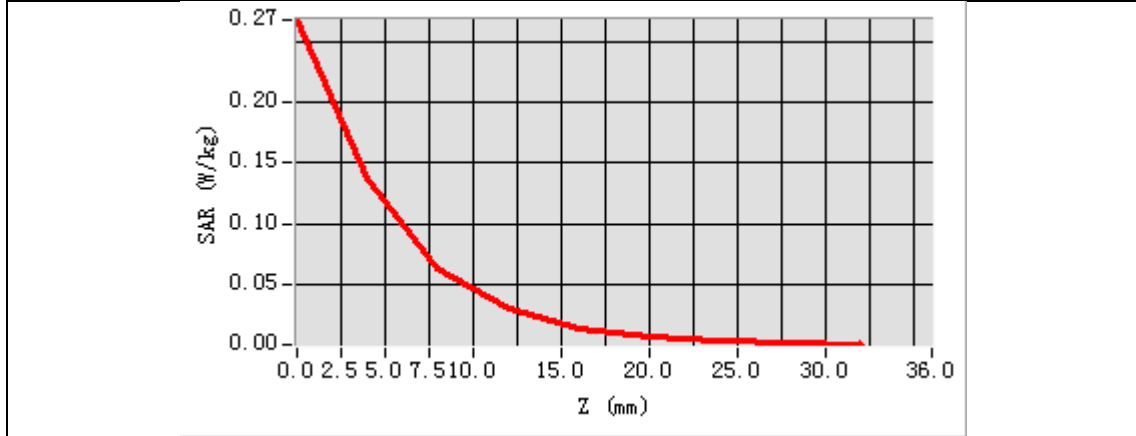


Maximum location: X=-2.00, Y=23.00

SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.047315
SAR 1g (W/Kg)	0.121043

Z (mm)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00
SAR (W/Kg)	0.2675	0.1382	0.0642	0.0312	0.0143	0.0078	0.0043	0.0022



Test Laboratory: AGC Lab
802.11b Mid-Body-Worn- Back
DUT: Smart Phone; Type: PL571

Date: Mar. 23,2020

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=4.24;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.73$ mho/m; $\epsilon_r = 39.12$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21.2, Liquid temperature (°C): 20.9

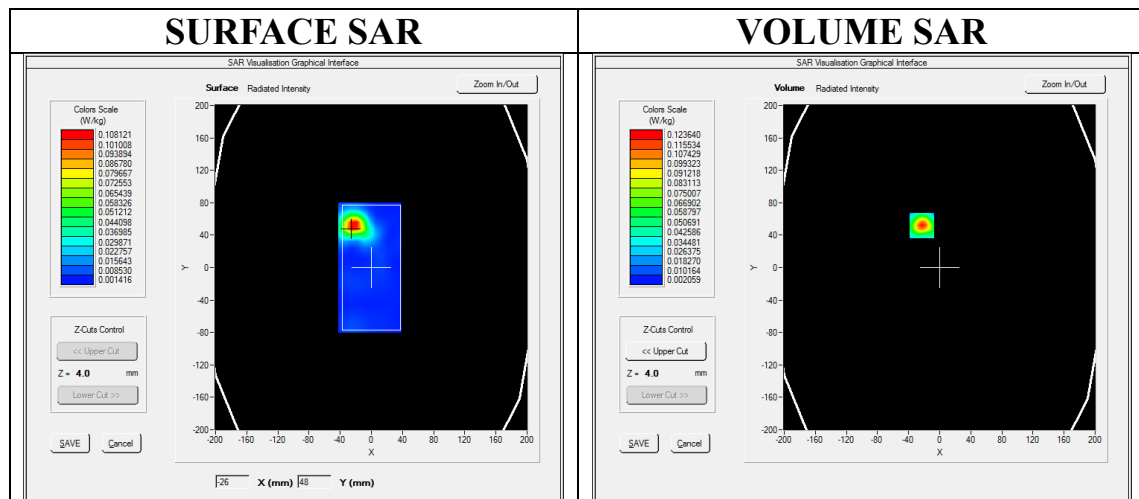
SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

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

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

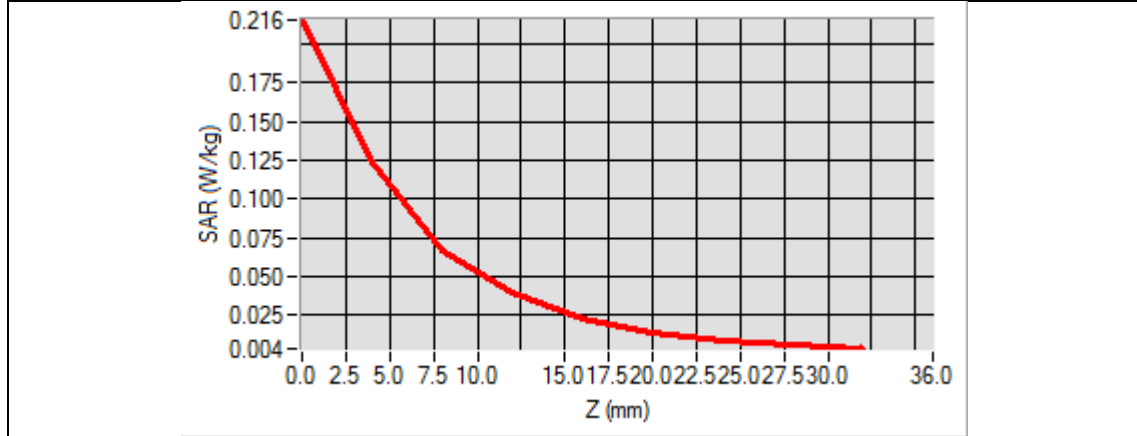
Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	2450MHz
Channels	Middle
Signal	Crest factor: 1.0



Maximum location: X=-23.00, Y=52.00
SAR Peak: 0.21 W/kg

SAR 10g (W/Kg)	0.051466
SAR 1g (W/Kg)	0.112644

Z (mm)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00
SAR (W/Kg)	0.2156	0.1236	0.0675	0.0398	0.0231	0.0139	0.0085	0.0056



3D screen shot	Hot spot position
<p>A 3D perspective view of a white, shallow bowl. A blue grid of points is overlaid on the bottom surface of the bowl, representing the location of the hot spot.</p>	<p>A heatmap visualization of the bowl's interior. The color scale ranges from blue (low SAR) to red (high SAR). A prominent red hot spot is located at the top left corner of the bowl's base, corresponding to the blue grid in the 3D view.</p>

Repeated SAR

Test Laboratory: AGC Lab
GPRS 1900 High-Edge 3(3up)
DUT: Smart Phone; Type: PL571

Date: Mar. 17,2020

Communication System: GPRS-3Slot; Communication System Band: PCS 1900; Duty Cycle: 1:2.7; Conv.F=4.60;
Frequency: 1909.8 MHz; Medium parameters used: $f = 1850$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 38.92$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 20.9, Liquid temperature (°C): 20.6

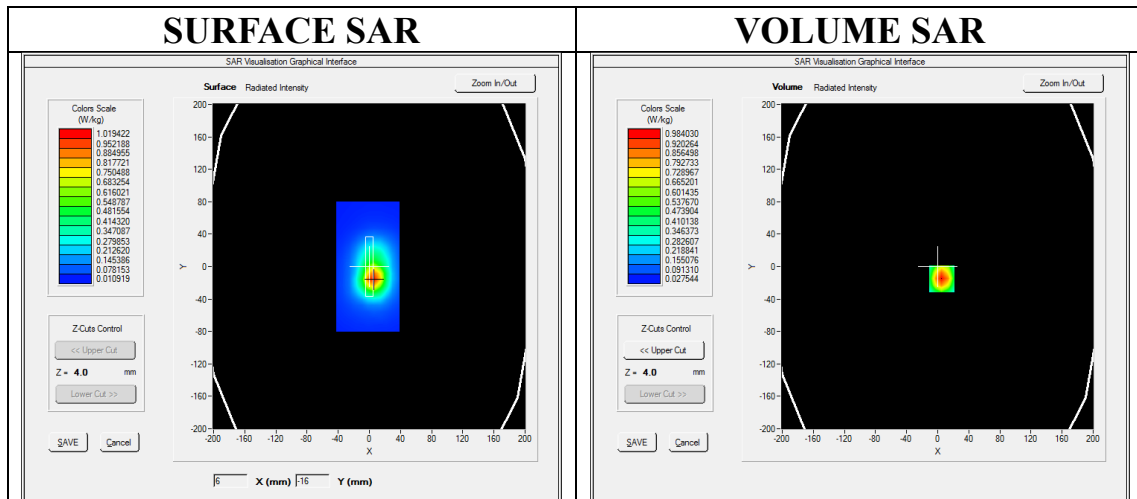
SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/GPRS1900 High-Edge 3/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/GPRS1900 High-Edge 3/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

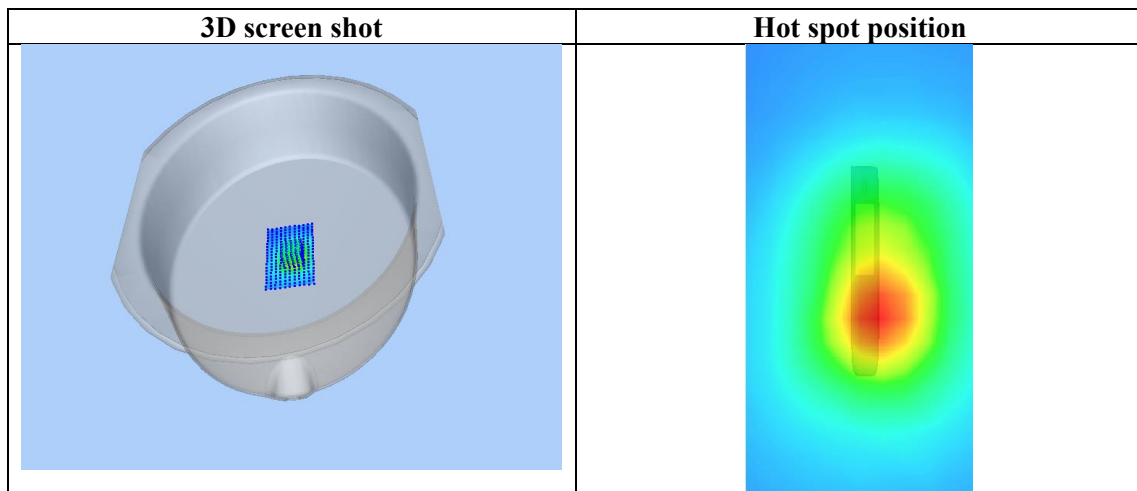
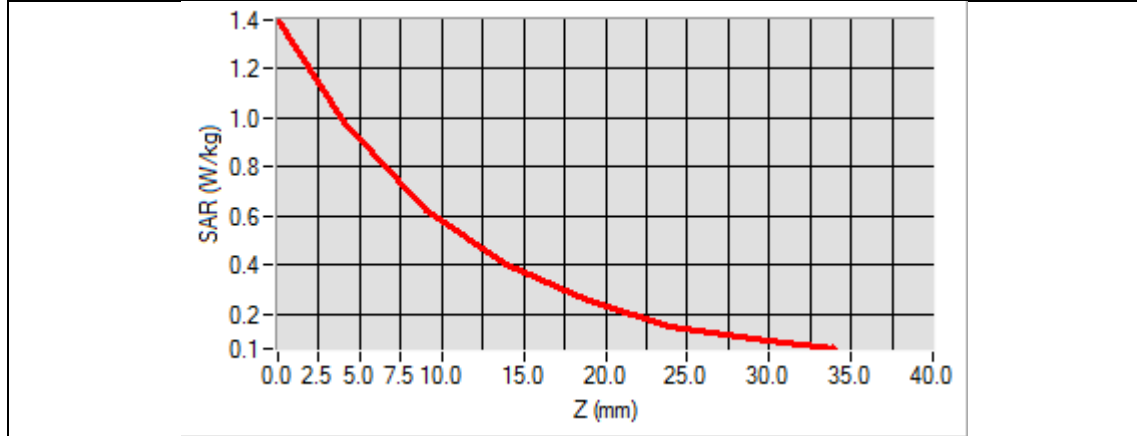
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Edge 3
Band	PCS 1900
Channels	High
Signal	TDMA (Crest factor: 2.7)



Maximum location: X=5.00, Y=-15.00
SAR Peak: 1.40 W/kg

SAR 10g (W/Kg)	0.528900
SAR 1g (W/Kg)	0.926408

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.3981	0.9840	0.6234	0.4043	0.2541	0.1521	0.0997



Test Laboratory: AGC Lab
WCDMA Band II Low-Edge 3(RMC)
DUT: Smart Phone; Type: PL571

Date: Mar. 17,2020

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=4.60
Frequency: 1852.4 MHz; Medium parameters used: $f = 1850$ MHz; $\sigma=1.35$ mho/m; $\epsilon_r =41.13$; $\rho= 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 20.9, Liquid temperature (°C): 20.6

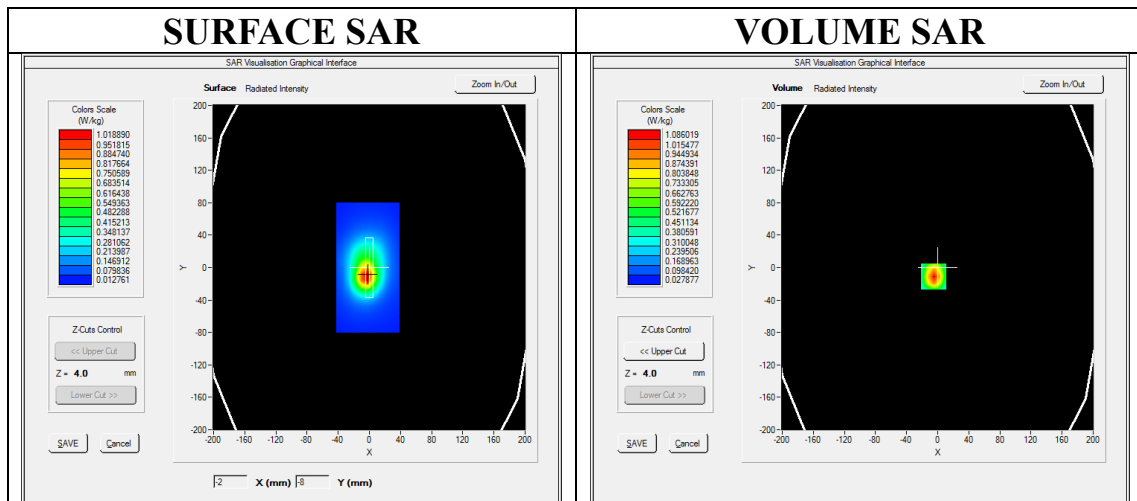
SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ WCDMA band II Low -Edge 3/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ WCDMA band II Low -Edge 3/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Edge 3
Band	WCDMA band II
Channels	Low
Signal	CDMA (Crest factor: 1.0)

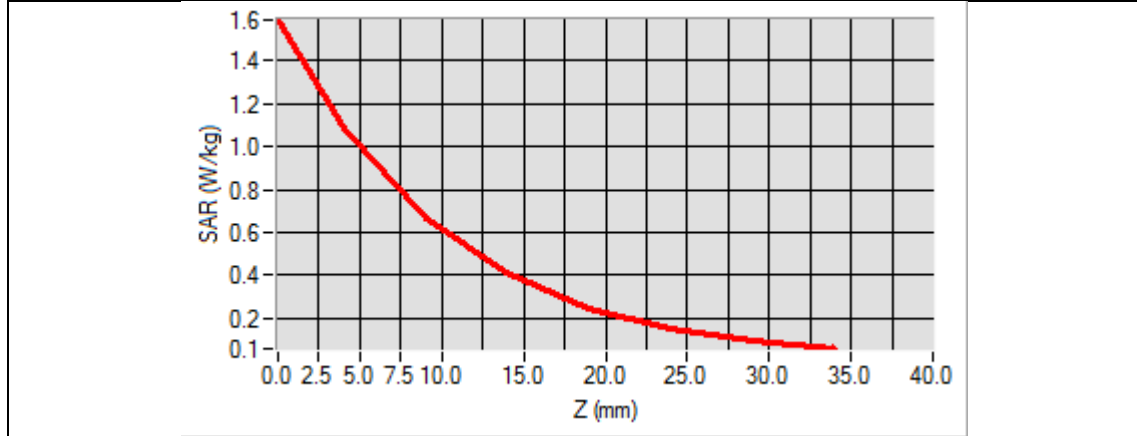


Maximum location: X=-5.00, Y=-11.00

SAR Peak: 1.59 W/kg

SAR 10g (W/Kg)	0.551555
SAR 1g (W/Kg)	1.012627

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.5882	1.0860	0.6639	0.4087	0.2494	0.1537	0.0948



3D screen shot	Hot spot position

Test Laboratory: AGC Lab
LTE Band 2 High- Edge 3 (1 RB#0)
DUT: Smart Phone; Type: PL571

Date: Mar. 24,2020

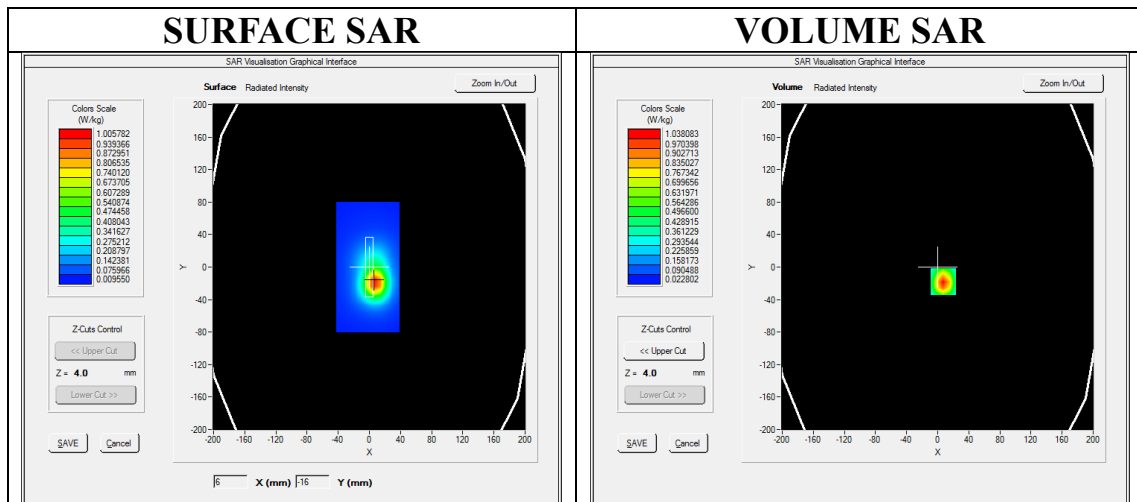
Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=4.60;
Frequency:1900MHz; Medium parameters used: $f = 1850$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.62$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.5, Liquid temperature (°C): 21.3

SATIMO Configuration:

- Probe: SSE5; Calibrated: Jun. 04,2019; Serial No.: SN 22/16 EP315
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 2 High- Edge 3 /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 2 High- Edge 3 /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

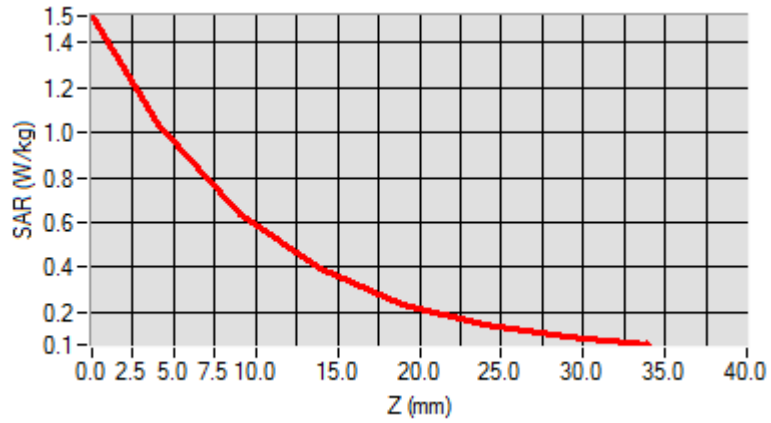
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge 3
Band	LTE Band 2
Channels	High
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=7.00, Y=-18.00
SAR Peak: 1.53 W/kg

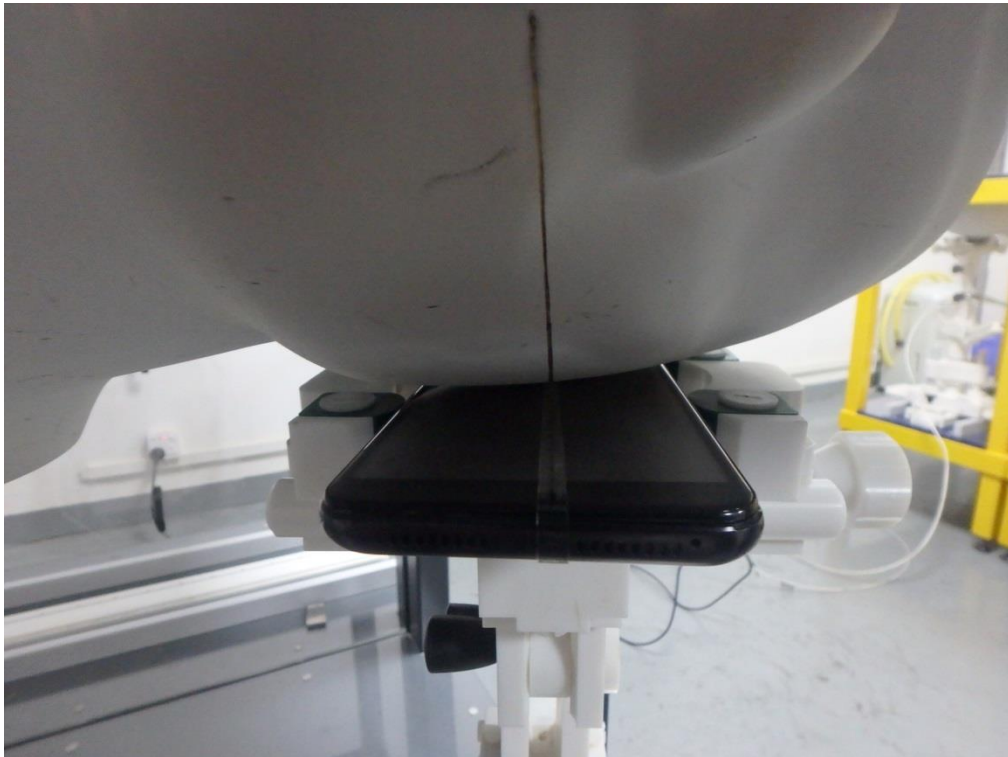
SAR 10g (W/Kg)	0.525193
SAR 1g (W/Kg)	0.971682

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.5204	1.0381	0.6326	0.3909	0.2362	0.1444	0.0882

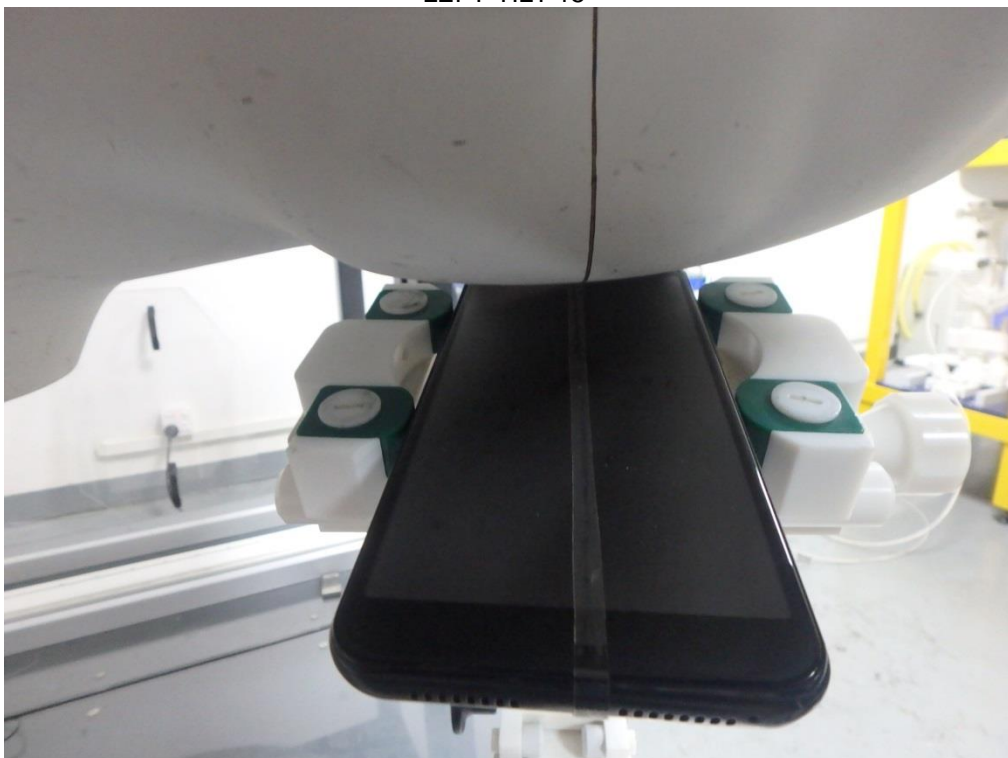


3D screen shot	Hot spot position

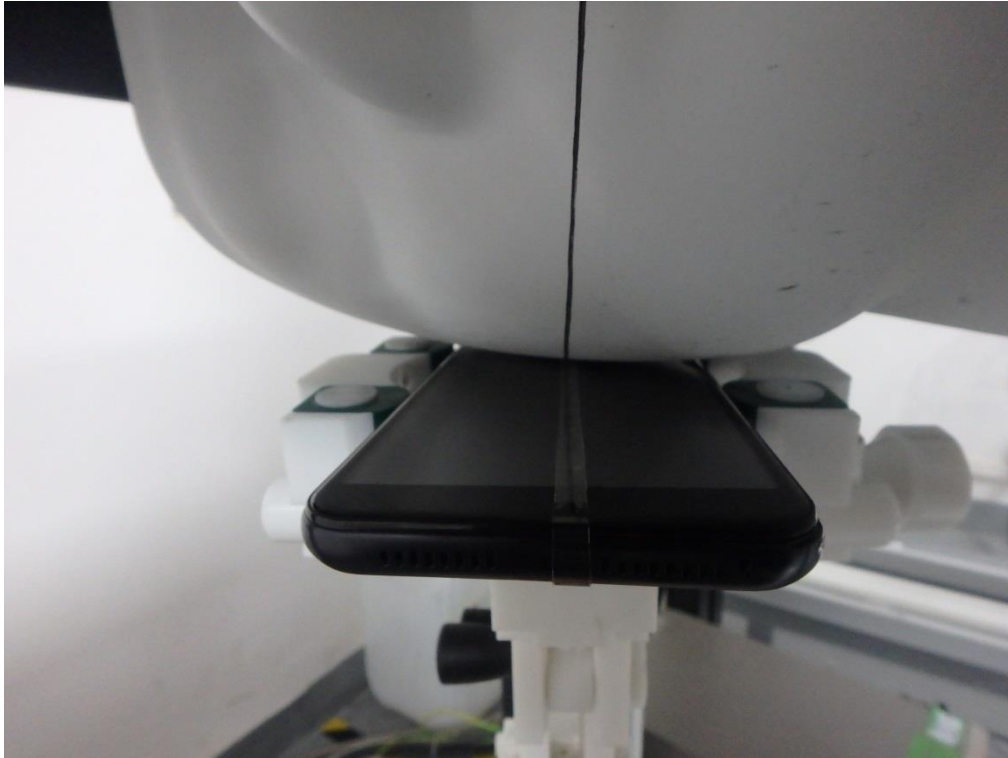
APPENDIX C. TEST SETUP PHOTOGRAPHS
LEFT-CHEEK TOUCH



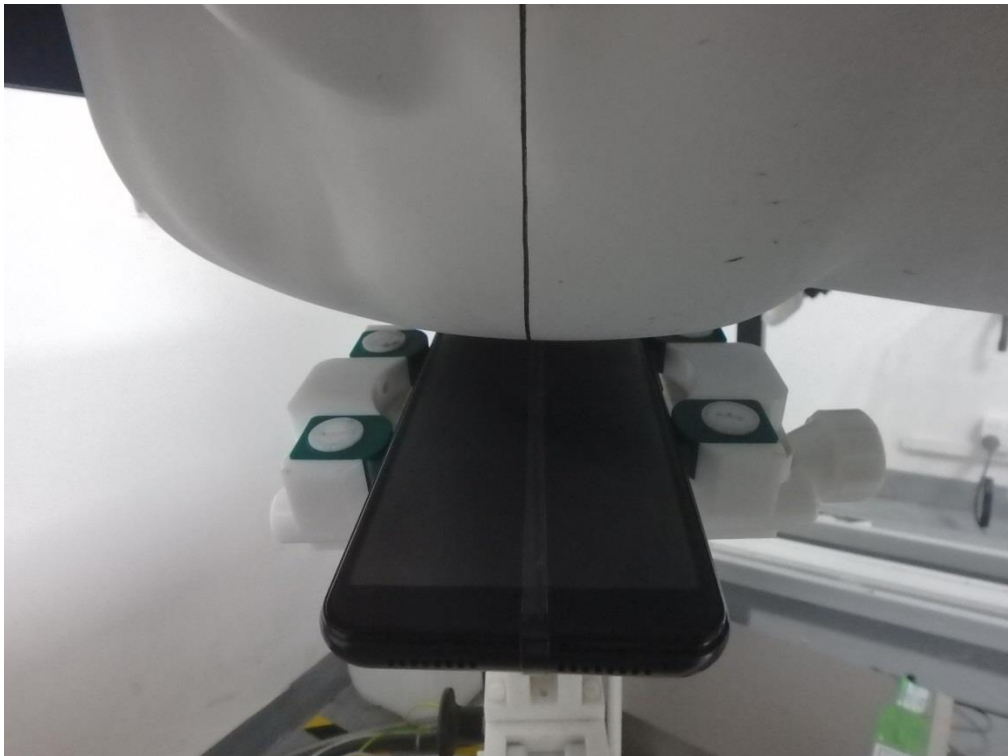
LEFT-TILT 15°



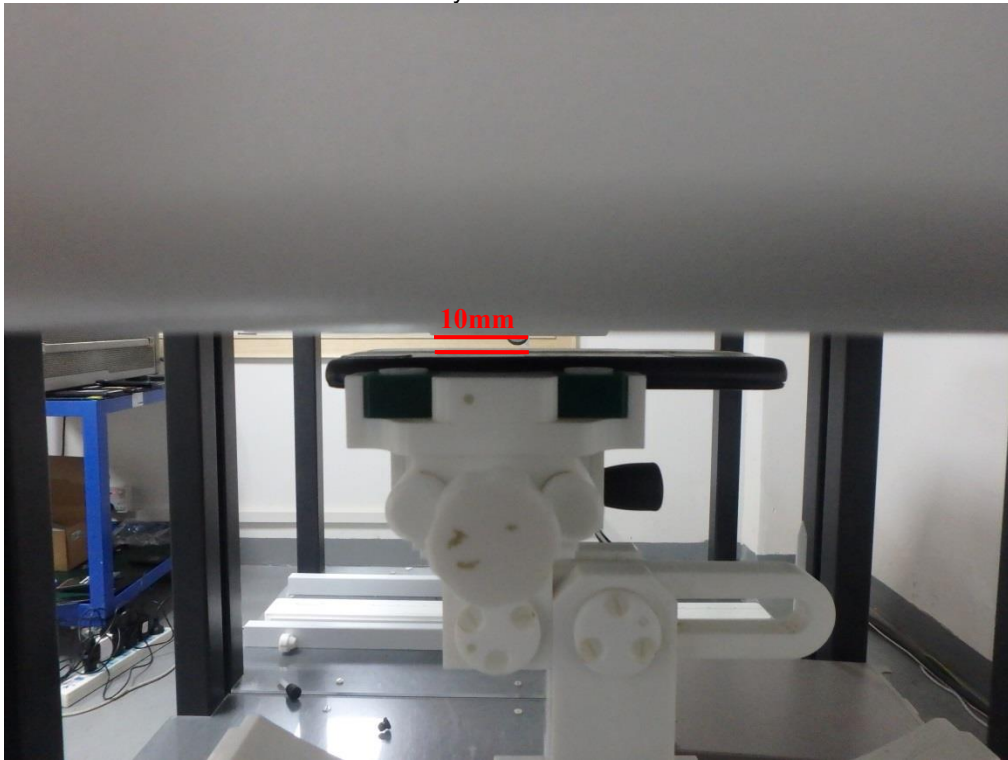
RIGHT- CHEEK TOUCH



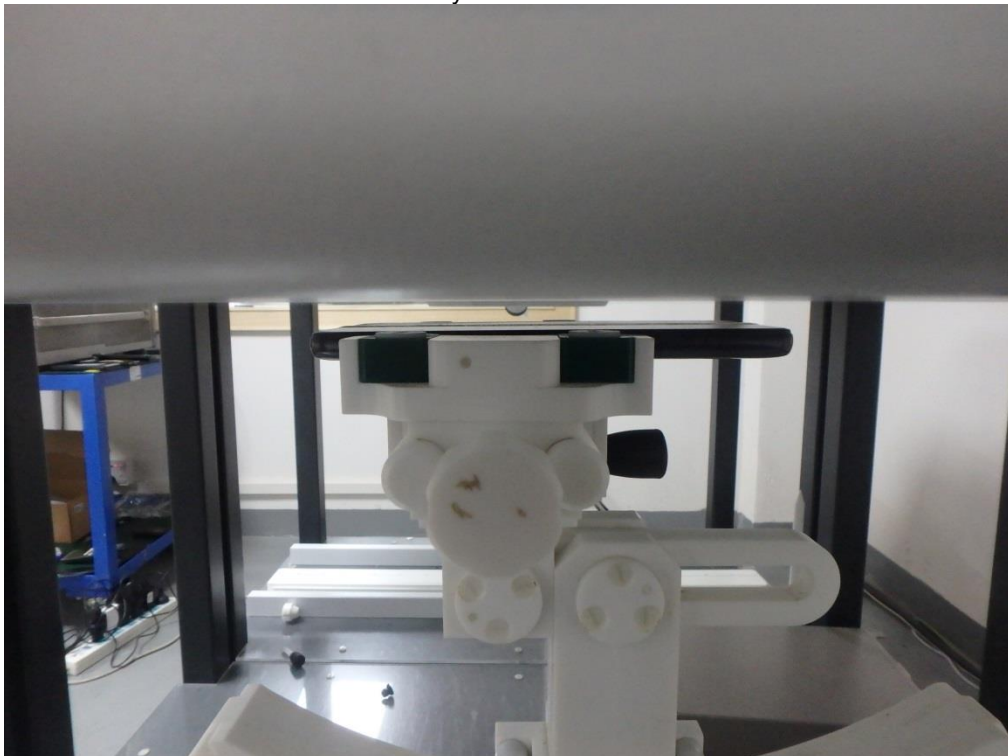
RIGHT-TILT 15°



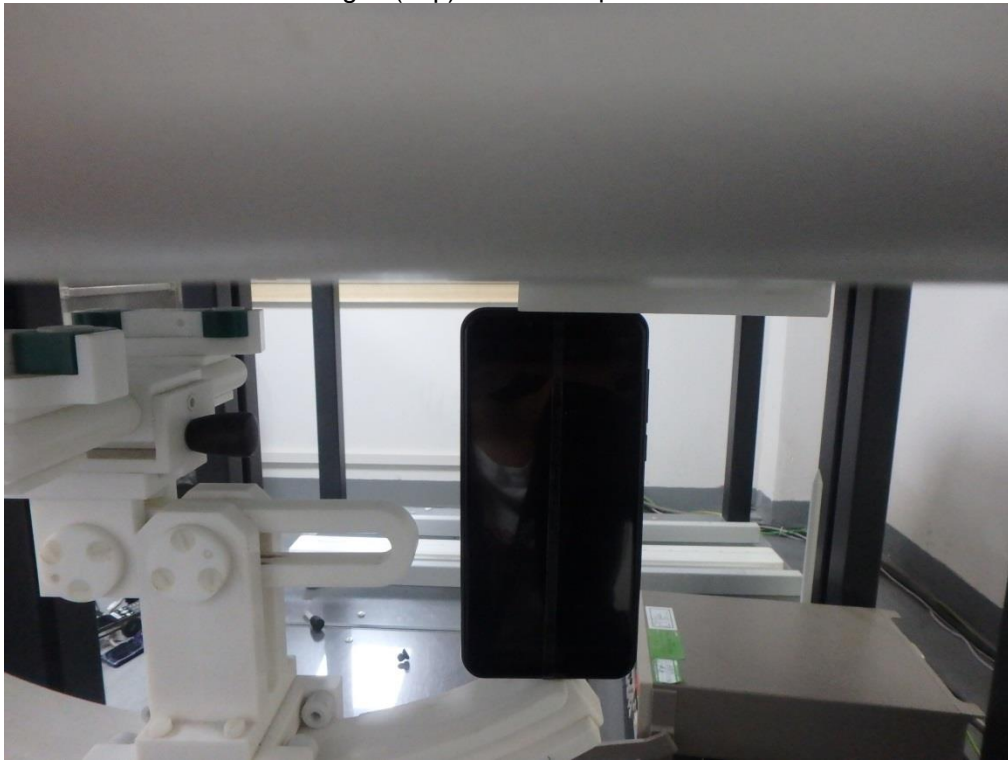
Body Back 10mm



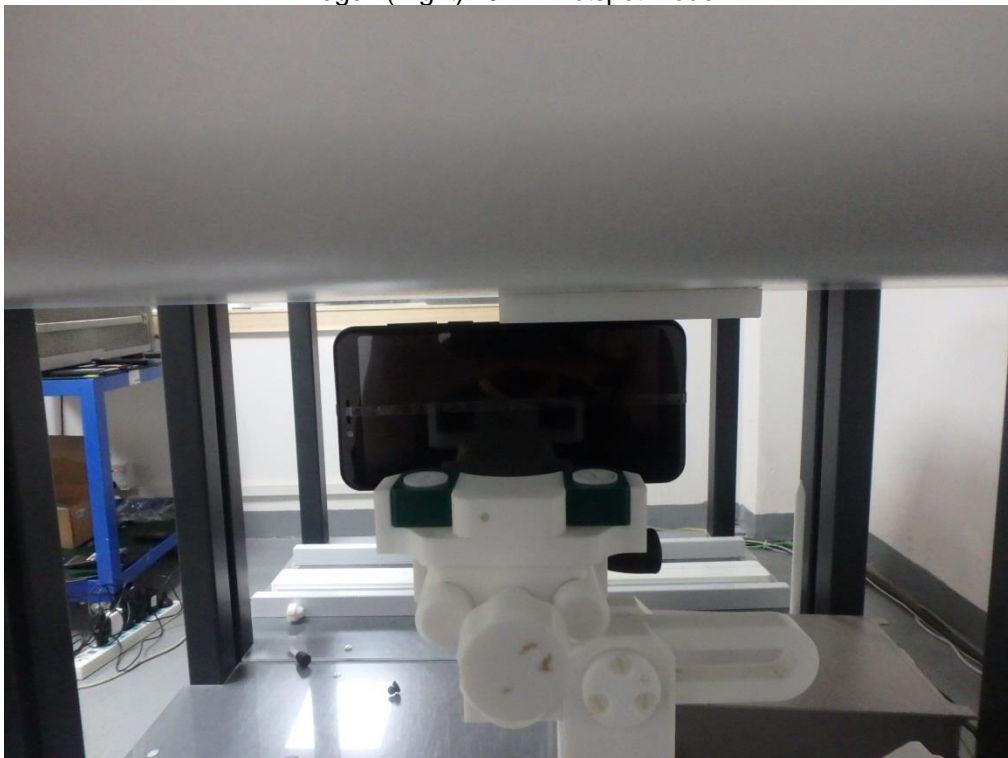
Body Front 10mm



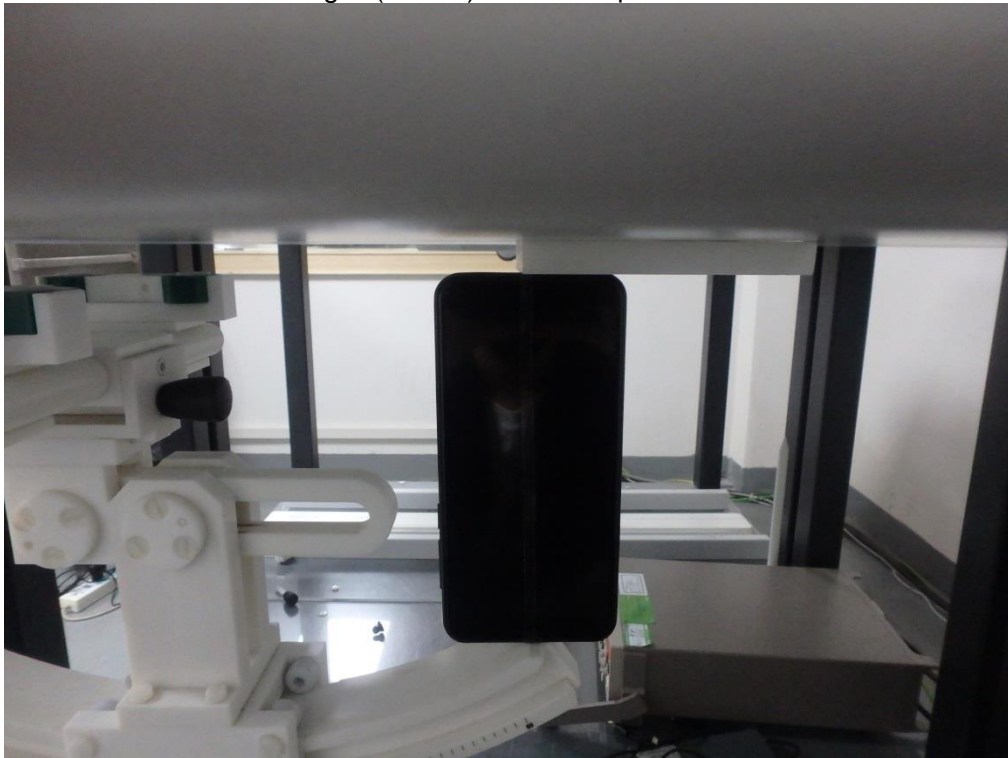
Edge 1(Top) 10mm-Hotspot Mode



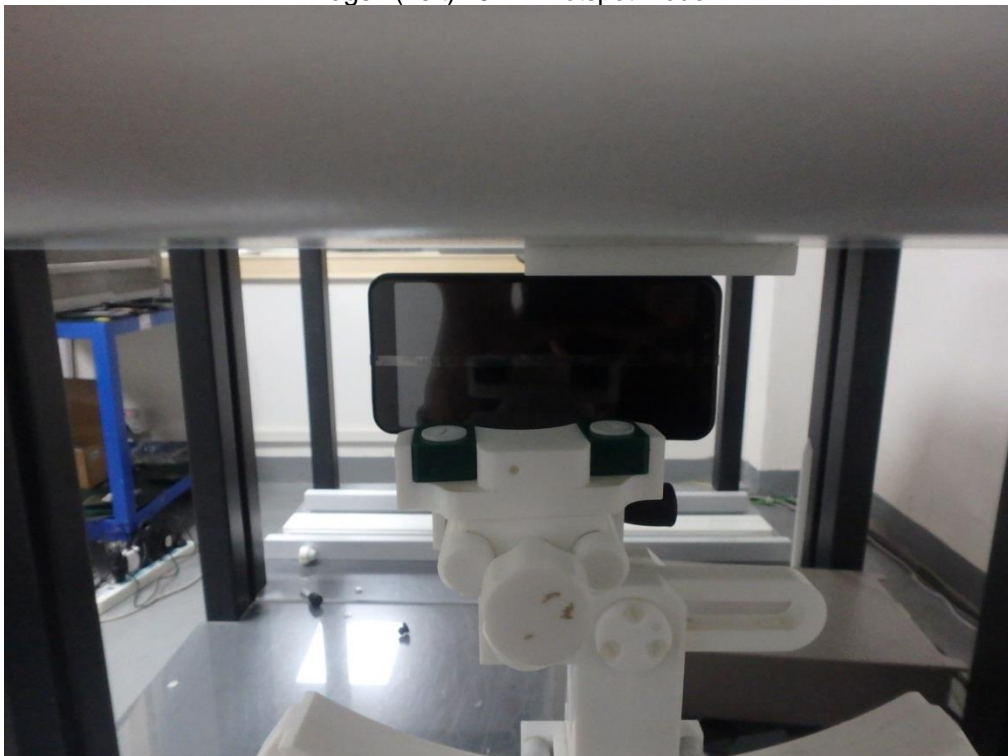
Edge 2(Right) 10mm-Hotspot Mode



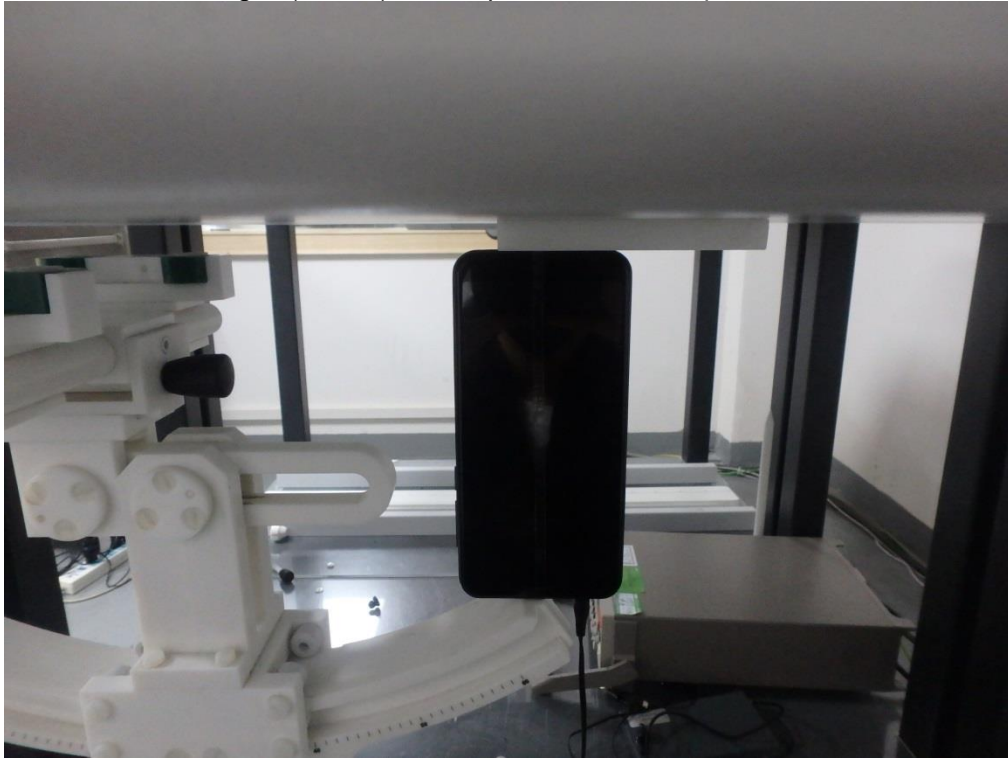
Edge 3(Bottom) 10mm-Hotspot Mode



Edge 4(Left) 10mm-Hotspot Mode

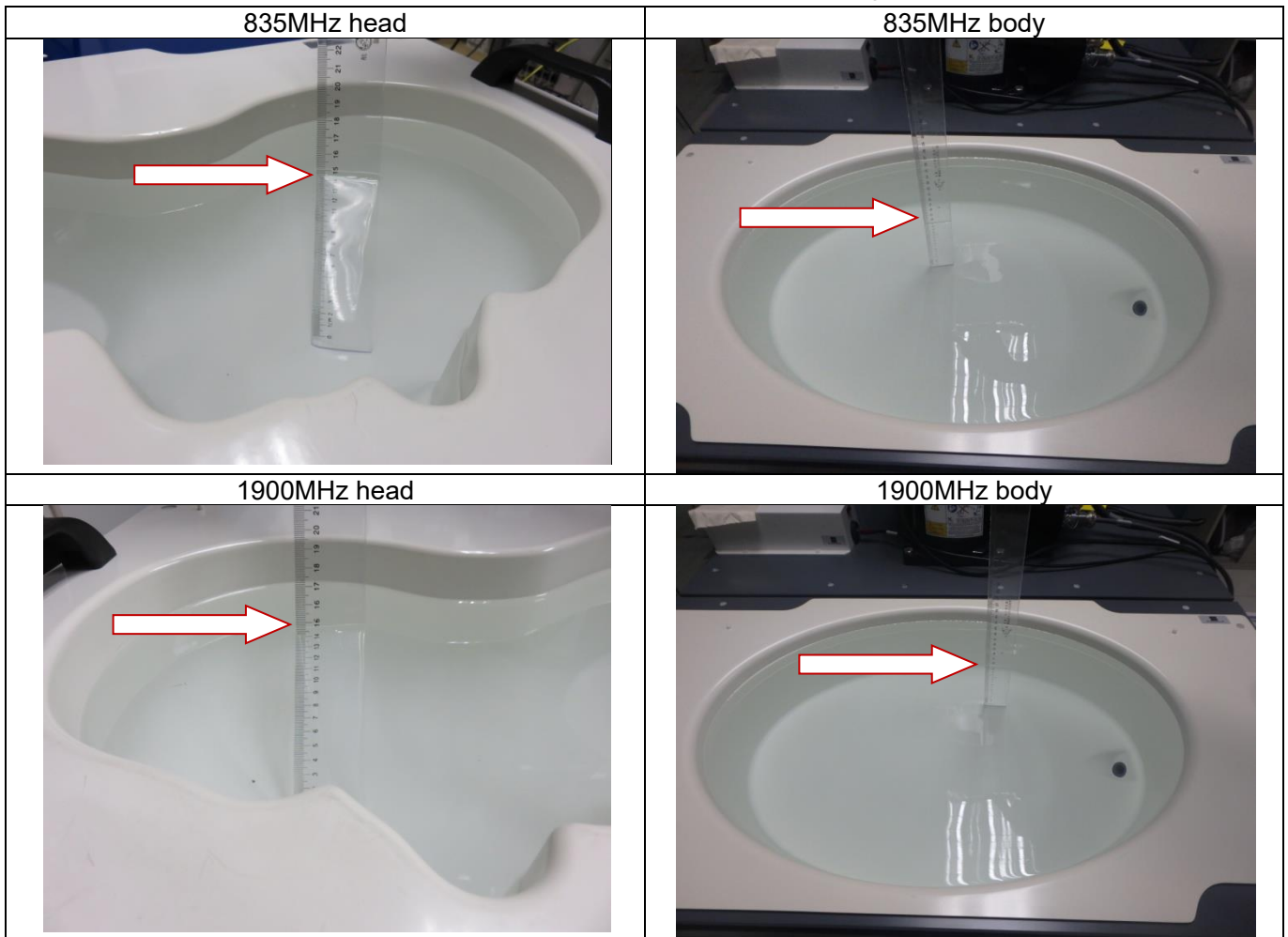


Edge 3(Bottom) with earphone 10mm-Hotspot Mode

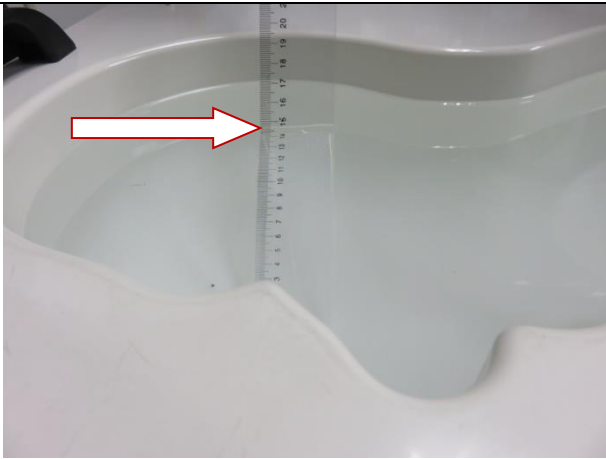


DEPTH OF THE LIQUID IN THE PHANTOM—ZOOM IN

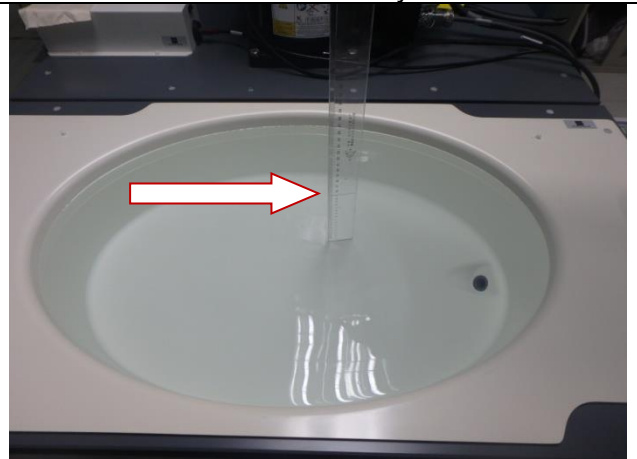
Note : The position used in the measurement were according to IEEE 1528-2013



1750MHz head



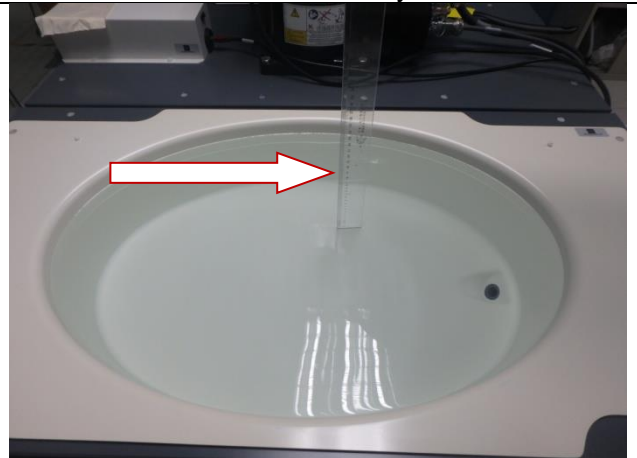
1750MHz body



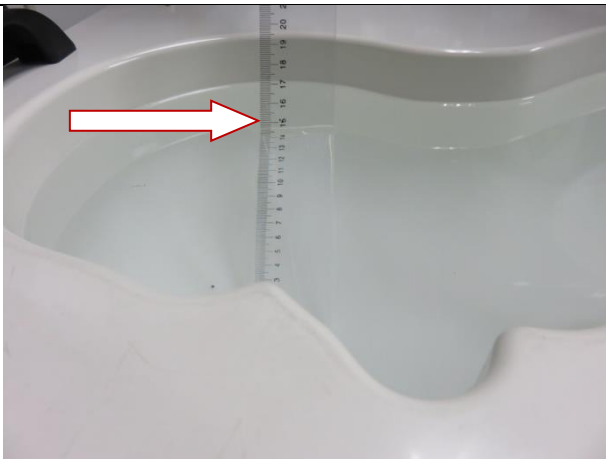
2450MHz head



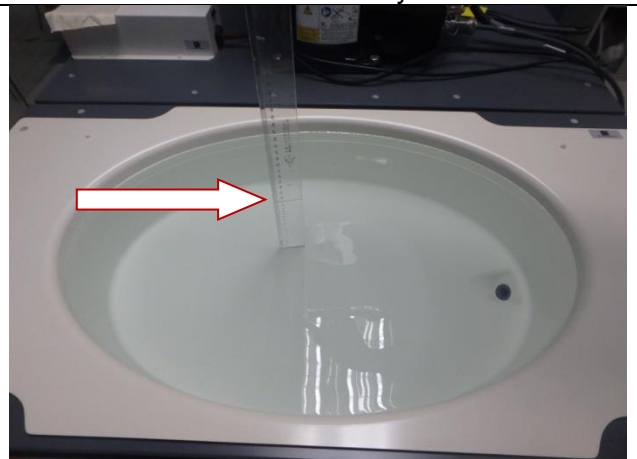
2450MHz body



2600MHz head



2600MHz body



APPENDIX D. CALIBRATION DATA

Refer to Attached files.