

Test Laboratory: AGC Lab
LTE Band 66 Mid-Face up (1 RB#0)
DUT: POC Radio; Type: IP-39PLUS

Date: Oct. 10, 2021

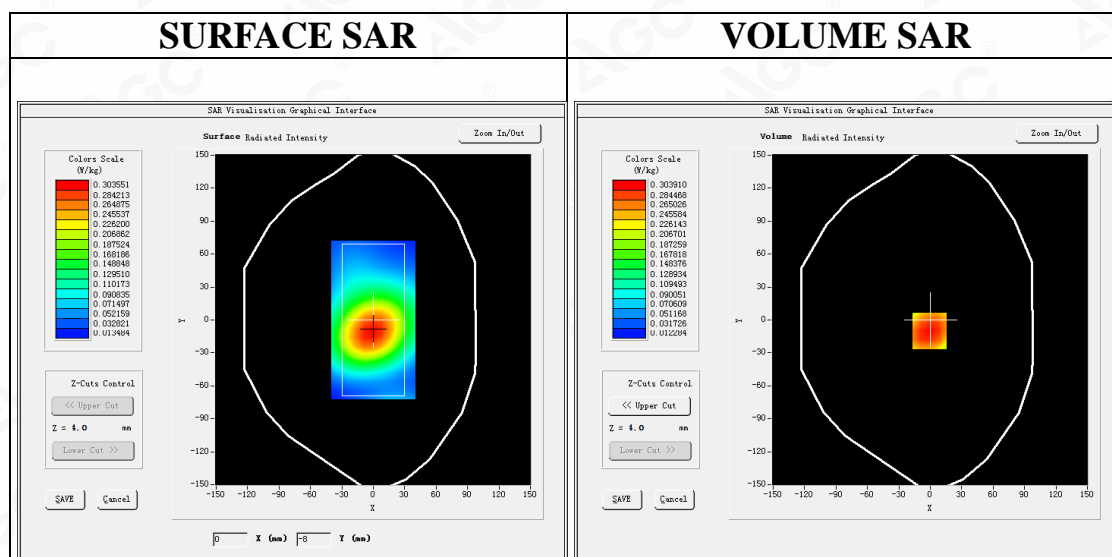
Communication System: LTE; Communication System Band: LTE Band 66; Duty Cycle:1:1; Conv.F=4.48;
Frequency:1755 MHz; Medium parameters used: $f = 1800$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.62$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.9, Liquid temperature (°C): 21.7

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 66 Mid-Face up/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 66 Mid-Face up/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	Face up
Band	LTE Band 66
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=-1.00, Y=-10.00

SAR Peak: 0.44 W/kg

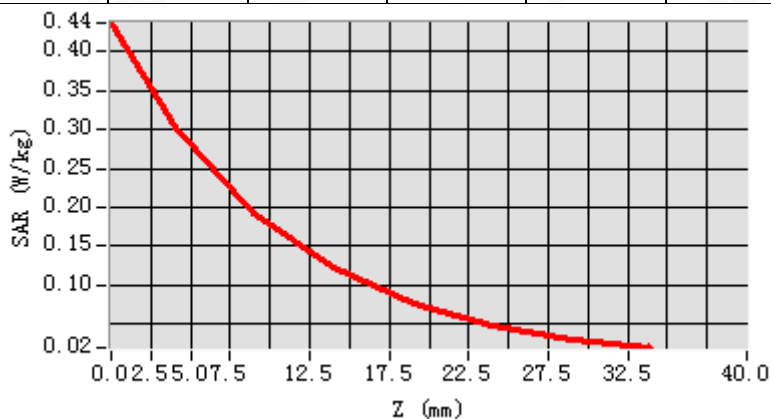
SAR 10g (W/Kg)	0.183122
SAR 1g (W/Kg)	0.294029

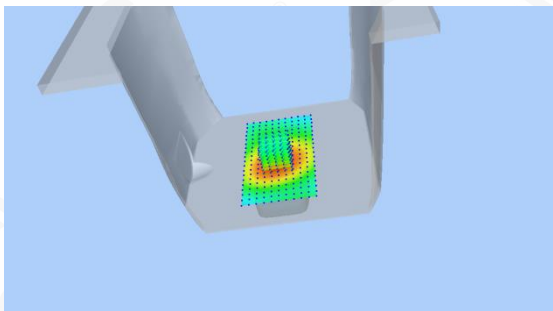
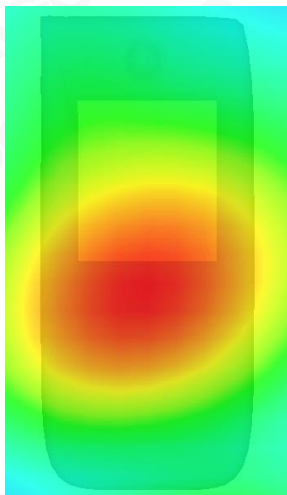
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4371	0.3039	0.1914	0.1217	0.0776	0.0490	0.0310



3D screen shot	Hot spot position
	

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Test Laboratory: AGC Lab
LTE Band 71 Mid-Body-Back (1 RB#0)
DUT: POC Radio; Type: IP-39PLUS

Date: Sep. 30, 2021

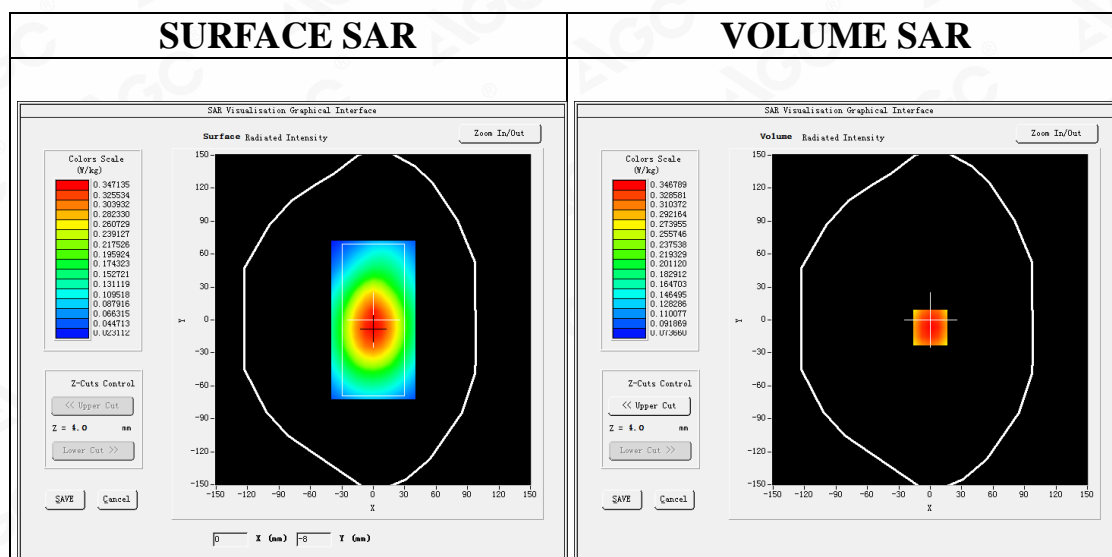
Communication System: LTE; Communication System Band: LTE Band 71; Duty Cycle:1:1; Conv.F=5.18;
Frequency: 683 MHz; Medium parameters used: $f = 750$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41.42$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.5

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 71 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 71 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
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 71
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



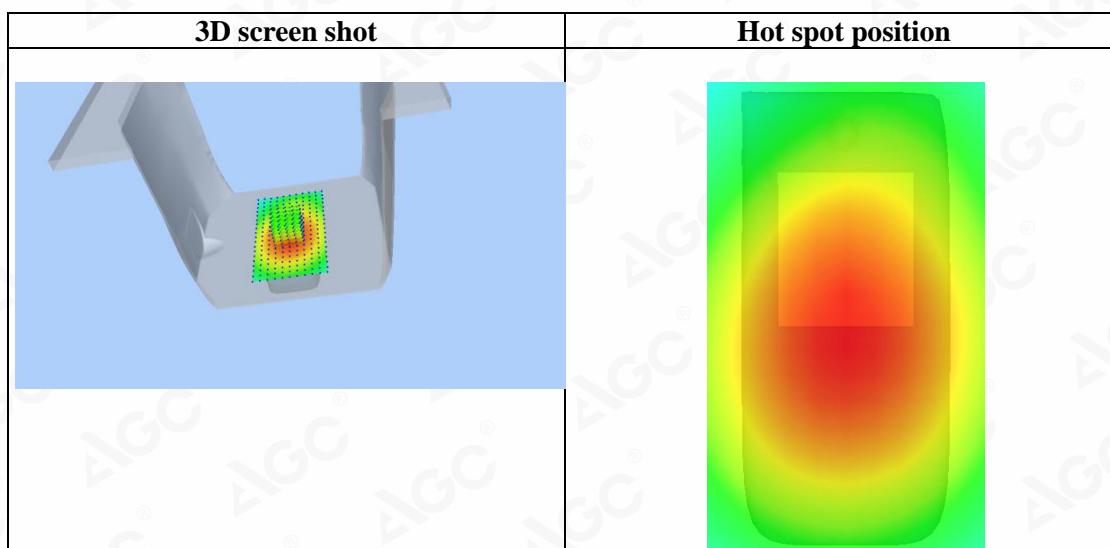
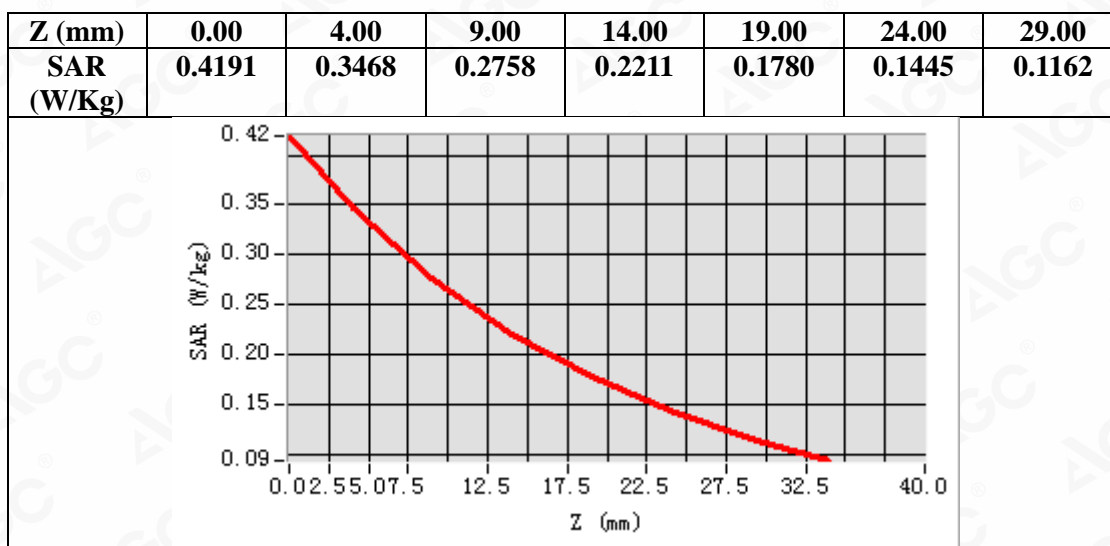
Maximum location: X=0.00, Y=-7.00
SAR Peak: 0.42 W/kg

SAR 10g (W/Kg)	0.262019
SAR 1g (W/Kg)	0.343436

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Test Laboratory: AGC Lab
LTE Band 71 Mid-Face up (1 RB#0)
DUT: POC Radio; Type: IP-39PLUS

Date: Sep. 30, 2021

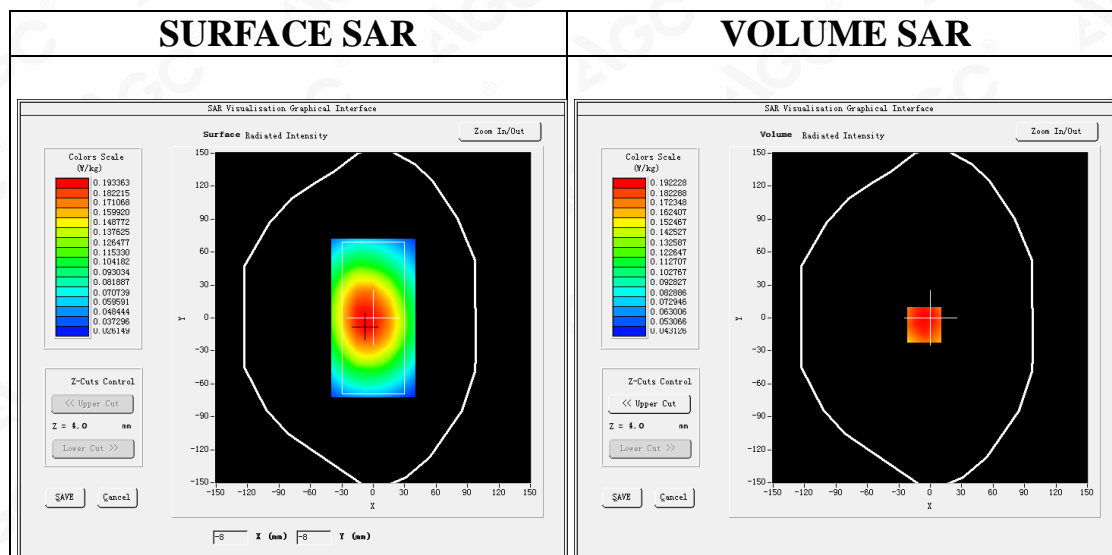
Communication System: LTE; Communication System Band: LTE Band 71; Duty Cycle:1:1; Conv.F=5.18;
Frequency: 683 MHz; Medium parameters used: $f = 750$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41.42$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.5

SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 71 Mid-Face up/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 71 Mid-Face up/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	Face up
Band	LTE Band 71
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



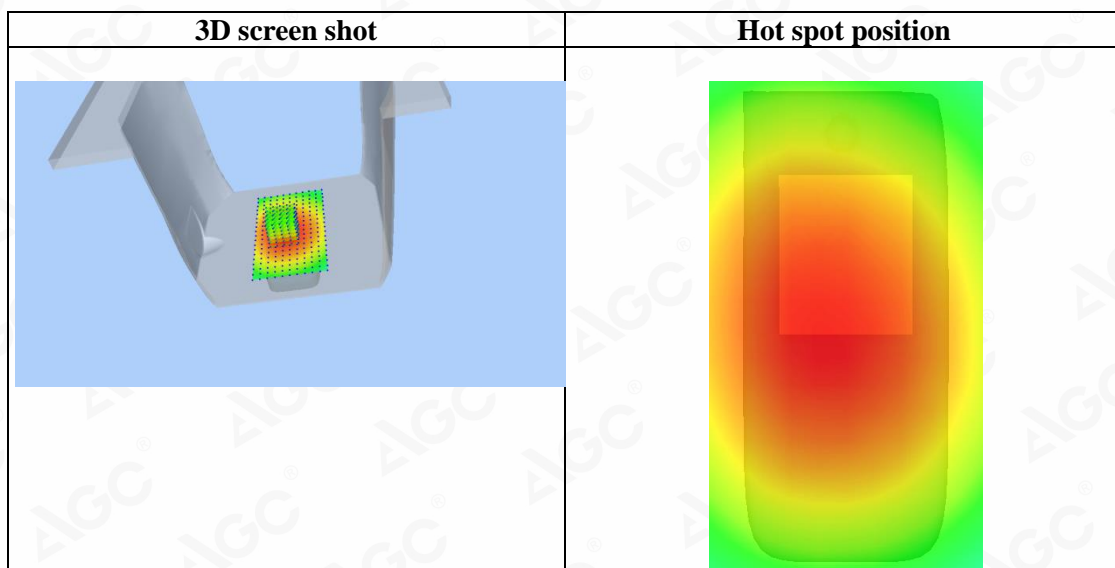
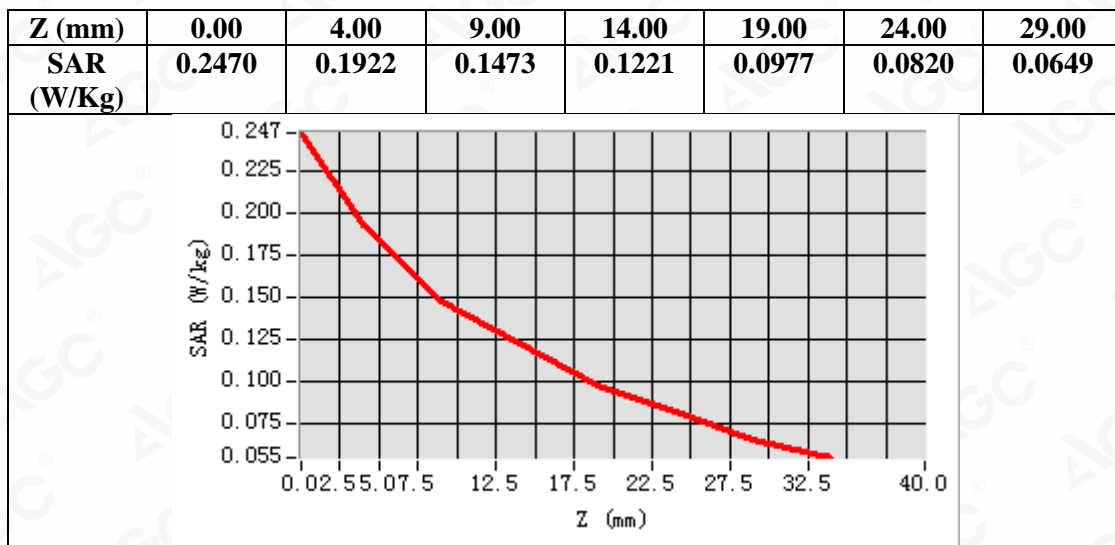
Maximum location: X=-6.00, Y=-6.00
SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.147300
SAR 1g (W/Kg)	0.190855

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Repeated SAR

Test Laboratory: AGC Lab

Date: Oct. 10, 2021

LTE Band 4 High-Body-Back (1 RB#0)

DUT: POC Radio; Type: IP-39PLUS

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=4.48;
Frequency:1745 MHz; Medium parameters used: $f = 1800$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 40.04$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.9, Liquid temperature (°C): 21.7

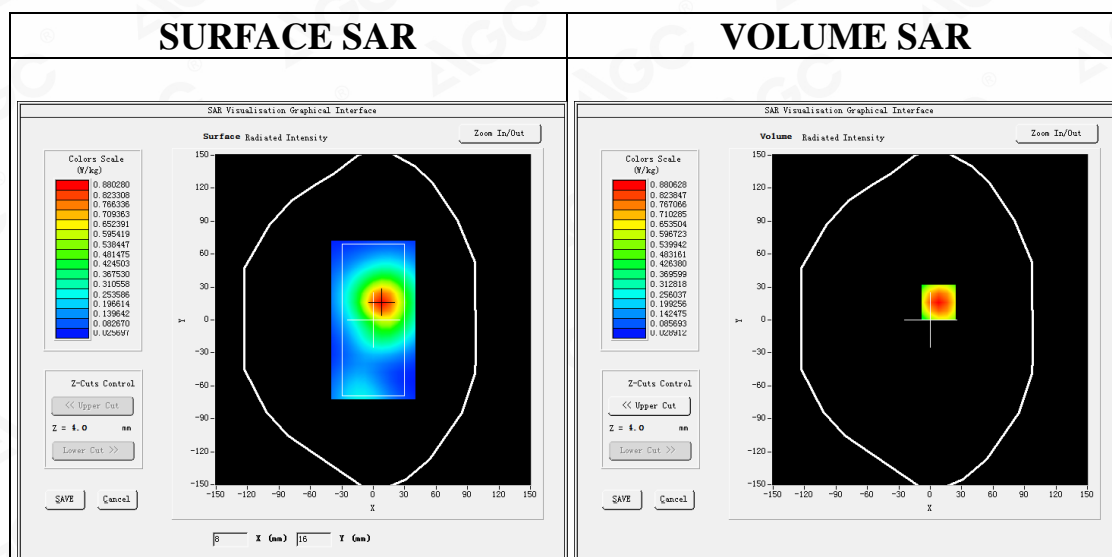
SATIMO Configuration:

- Probe: SSE5; Calibrated: Dec. 17,2020; Serial No.: SN 03/18 EP327
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

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

Configuration/ LTE Band 4 High-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
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 4
Channels	High
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=8.00, Y=16.00
SAR Peak: 1.35 W/kg

SAR 10g (W/Kg)	0.479880
SAR 1g (W/Kg)	0.842772

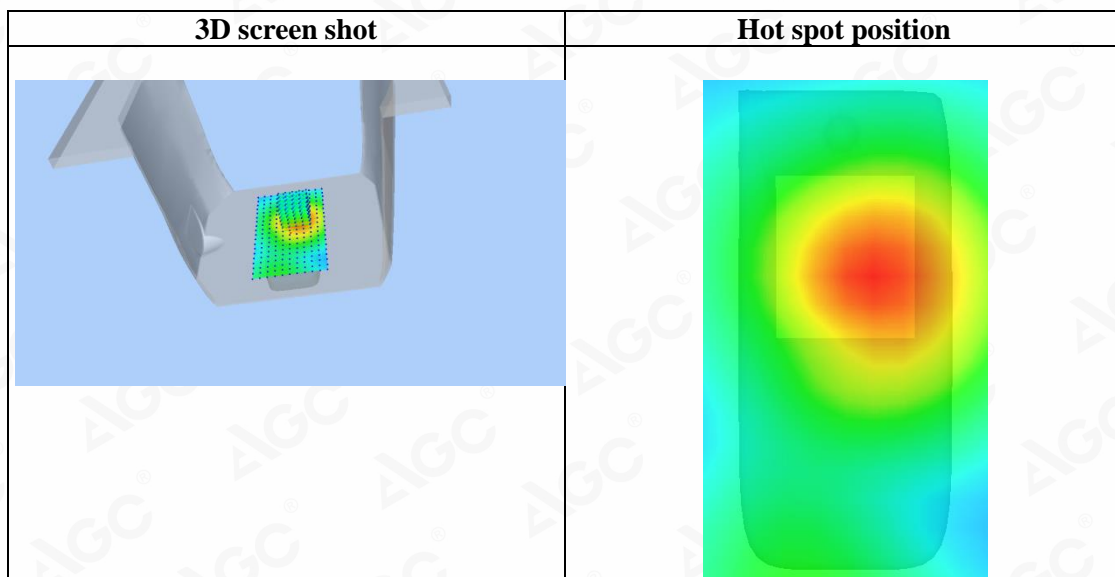
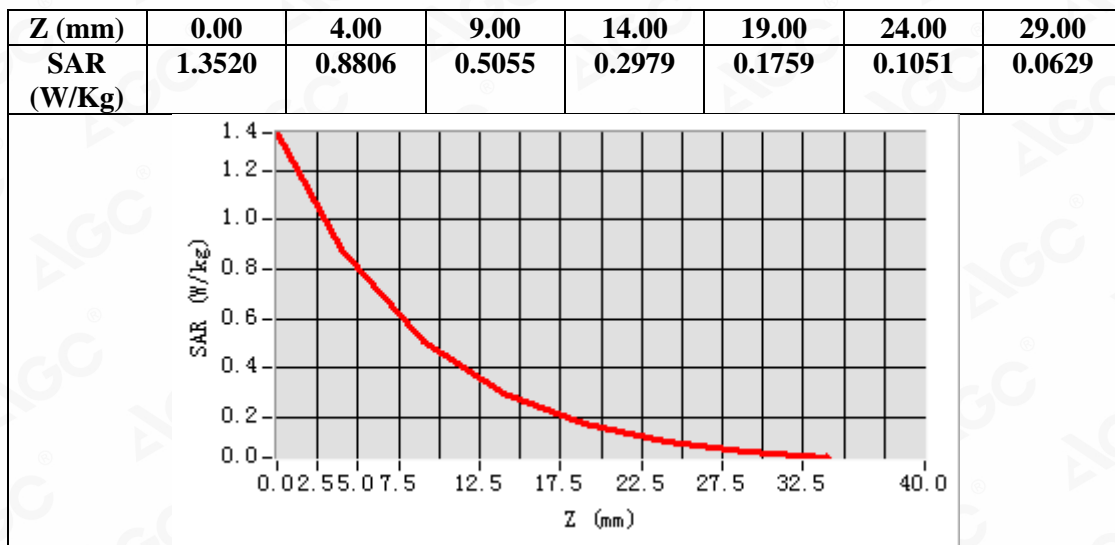
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APPENDIX C. TEST SETUP PHOTOGRAPHS

Face Up with 2.5 cm Separation Distance.



Body Back Touch with all accessories



The thickness of EUT is 3.4 cm

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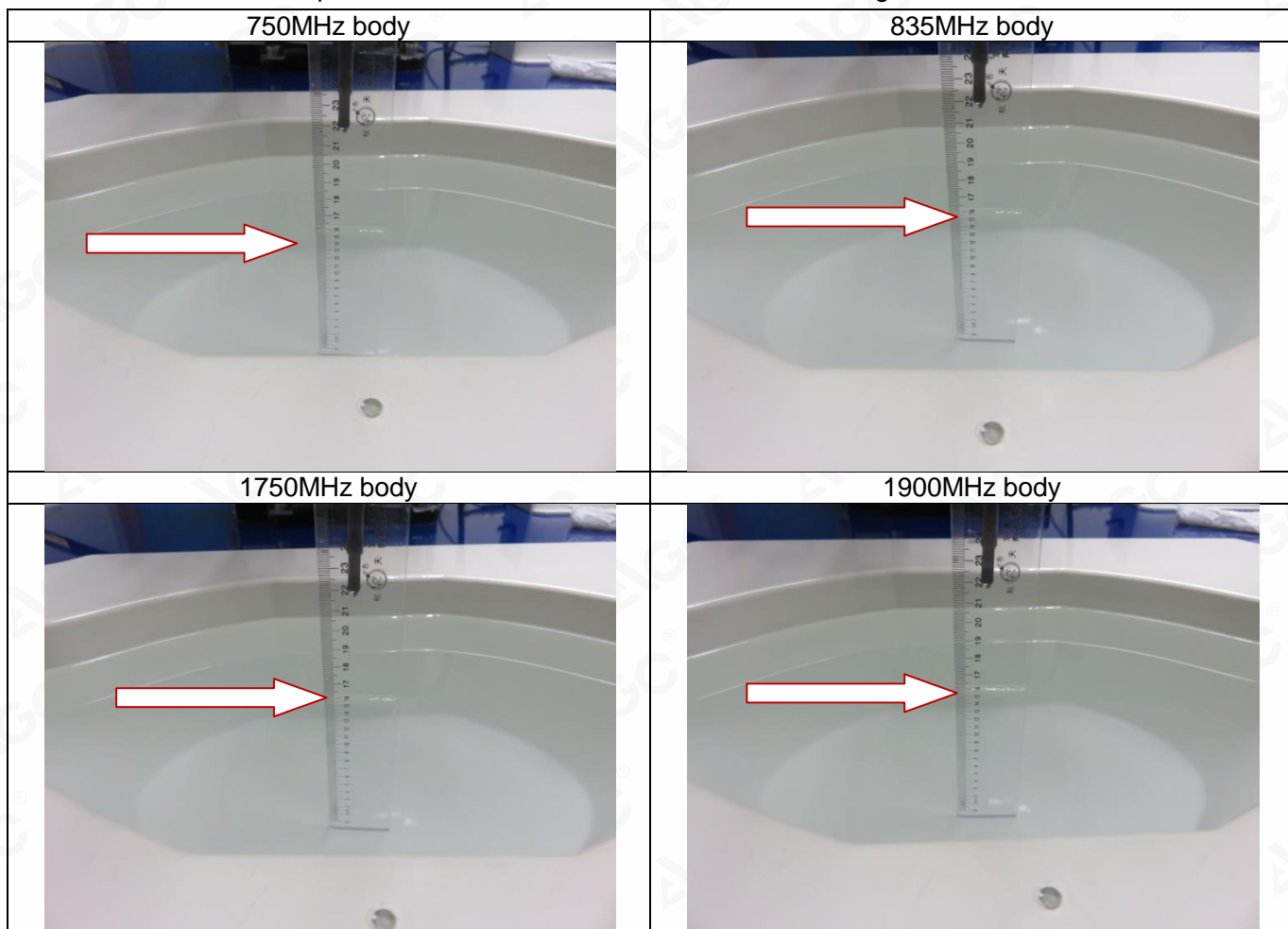
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DEPTH OF THE LIQUID IN THE PHANTOM—ZOOM IN

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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3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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