

## WIFI 5.8GHz MODE

Test Laboratory: AGC Lab

802.11a-CH157- Mid-Body-Worn- Back

DUT: Mini POS Terminal; Type: P12

Date: Sep. 15, 2022

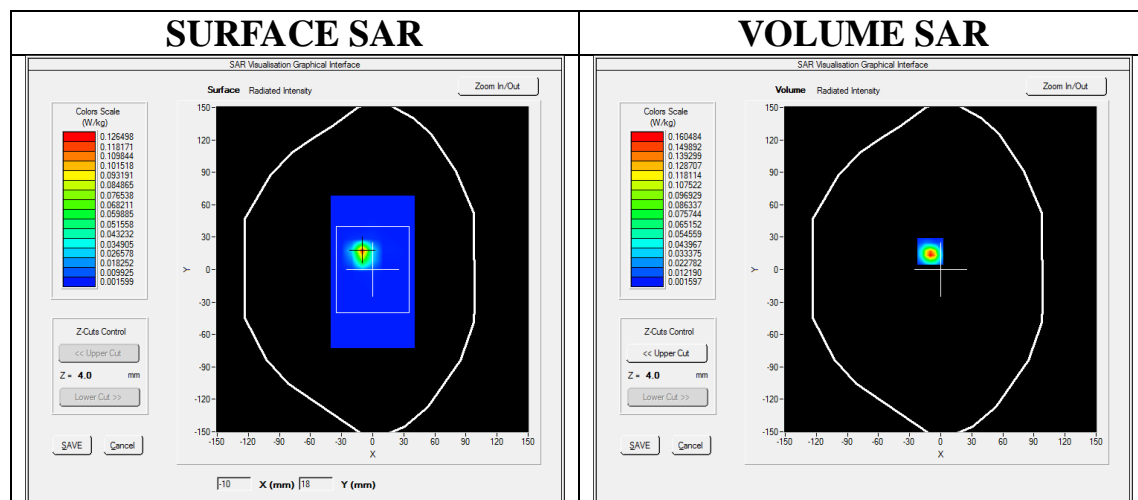
Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=1.42;  
Frequency: 5785MHz; Medium parameters used:  $f = 5800 \text{ MHz}$ ;  $\sigma = 5.32 \text{ mho/m}$ ;  $\epsilon_r = 35.72$ ;  $\rho = 1000 \text{ kg/m}^3$  ;  
Phantom section: Flat Section  
Ambient temperature ( $^{\circ}\text{C}$ ): 21.2, Liquid temperature ( $^{\circ}\text{C}$ ): 21.0

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 13, 2022; Serial No.: SN 13/22 EPG0368
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_35

Configuration/ 802.11a-CH157- Mid - Body- Back /Area Scan: Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Configuration/ 802.11a-CH157- Mid - Body- Back /Zoom Scan: Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	7x7x12 $dx=4\text{mm}$ $dy=4\text{mm}$ $dz=2\text{mm}$
Phantom	Validation plane
Device Position	Body Back
Band	5800MHz
Channels	Middle
Signal	Crest factor: 1.0



Maximum location: X=-10.00, Y=17.00

SAR Peak: 0.47 W/kg

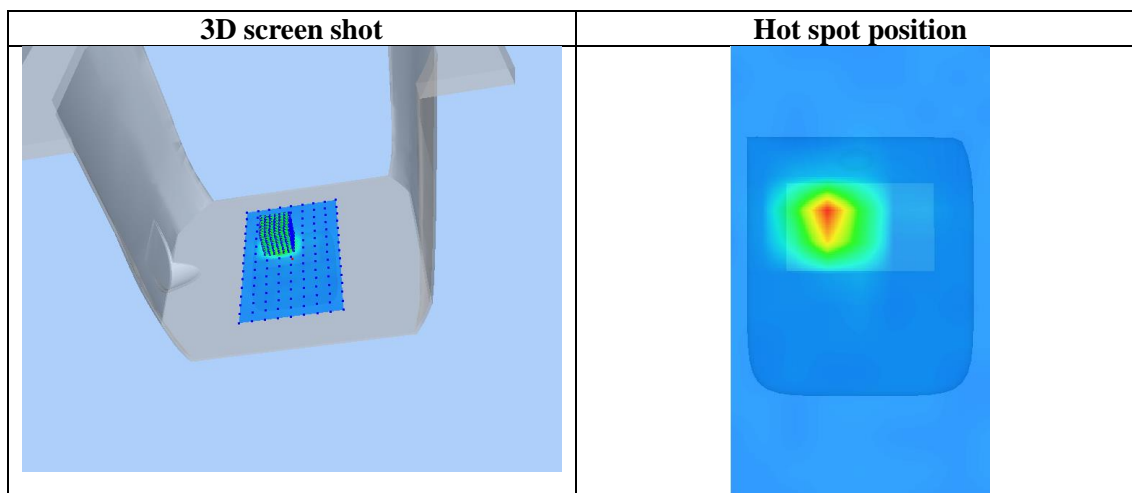
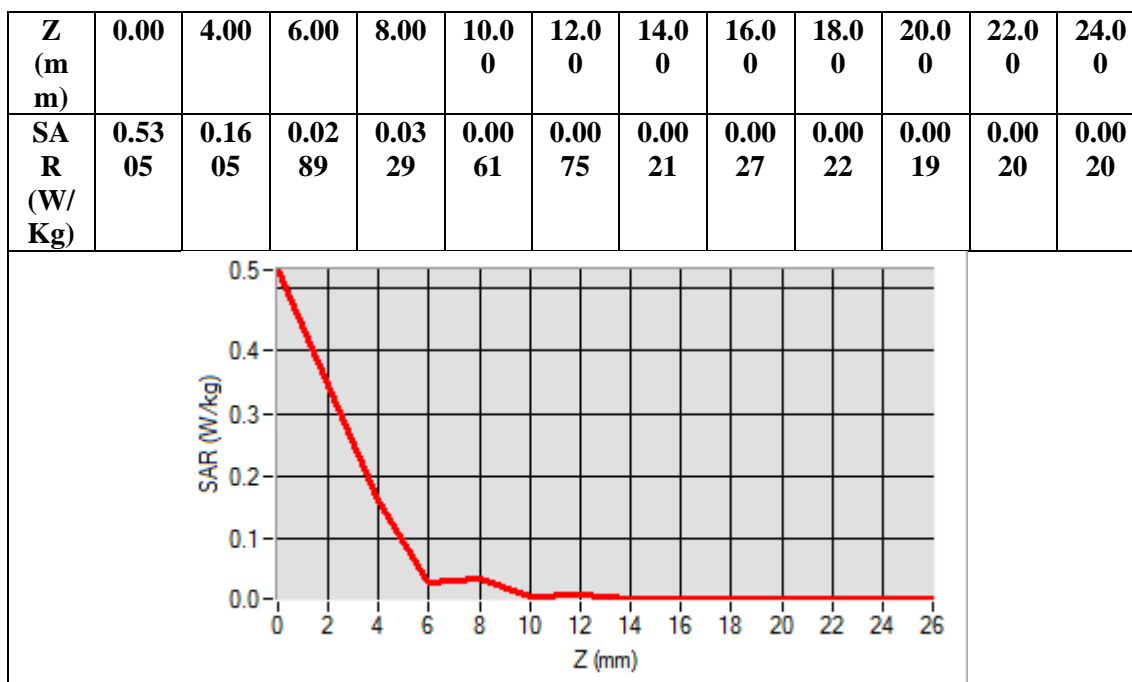
SAR 10g (W/Kg)	0.031444
SAR 1g (W/Kg)	0.137916

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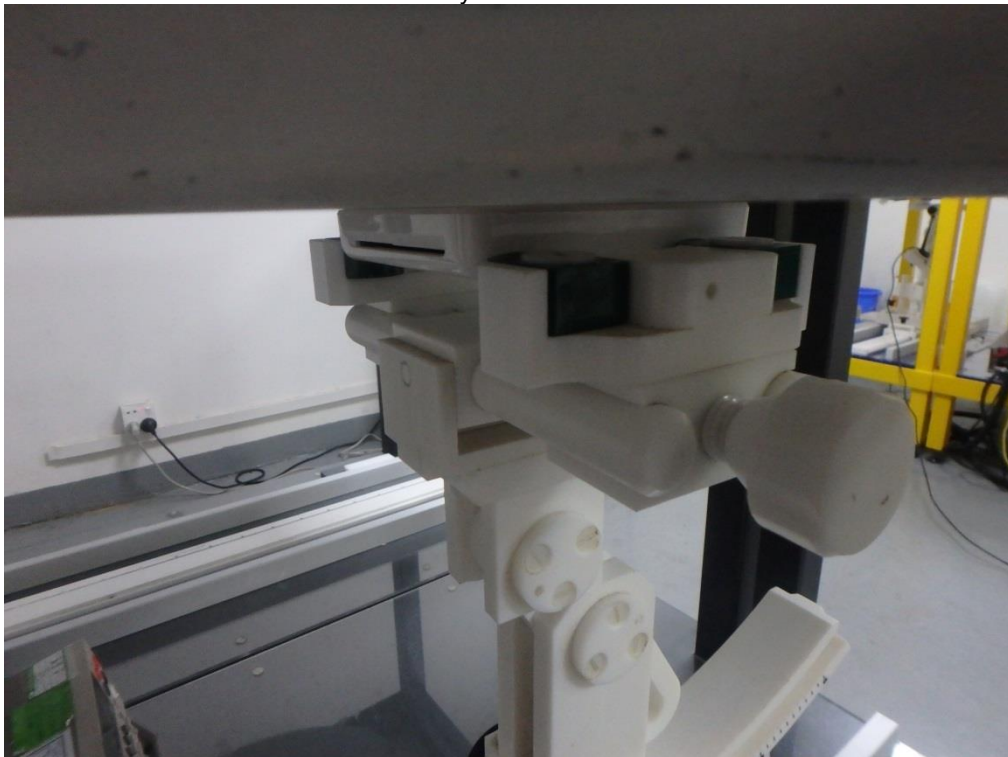
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**APPENDIX C. TEST SETUP PHOTOGRAPHS**

Body Back 0mm



Body Front 0mm



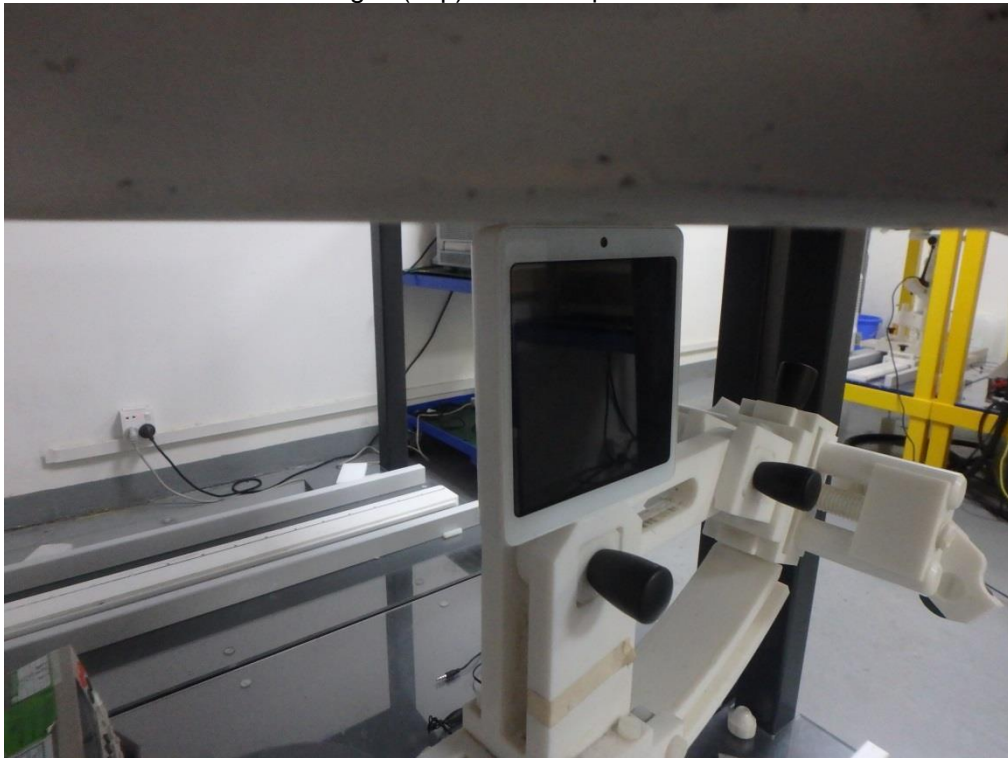
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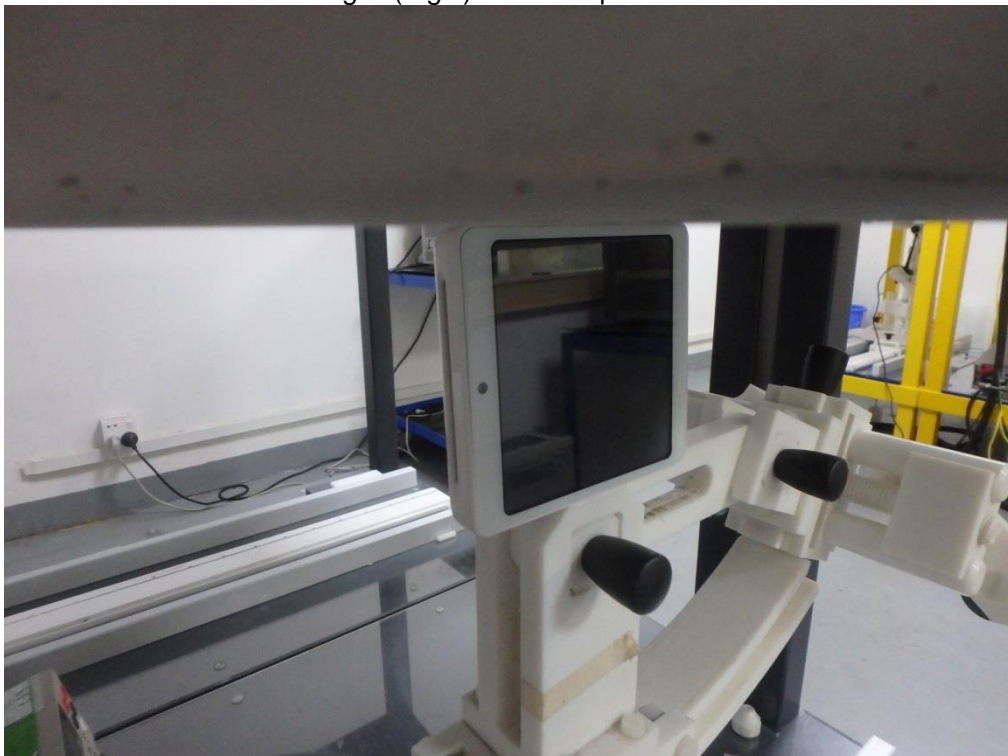
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Edge 1(Top) 0mm-Hotspot Mode



Edge 2(Right) 0mm-Hotspot Mode



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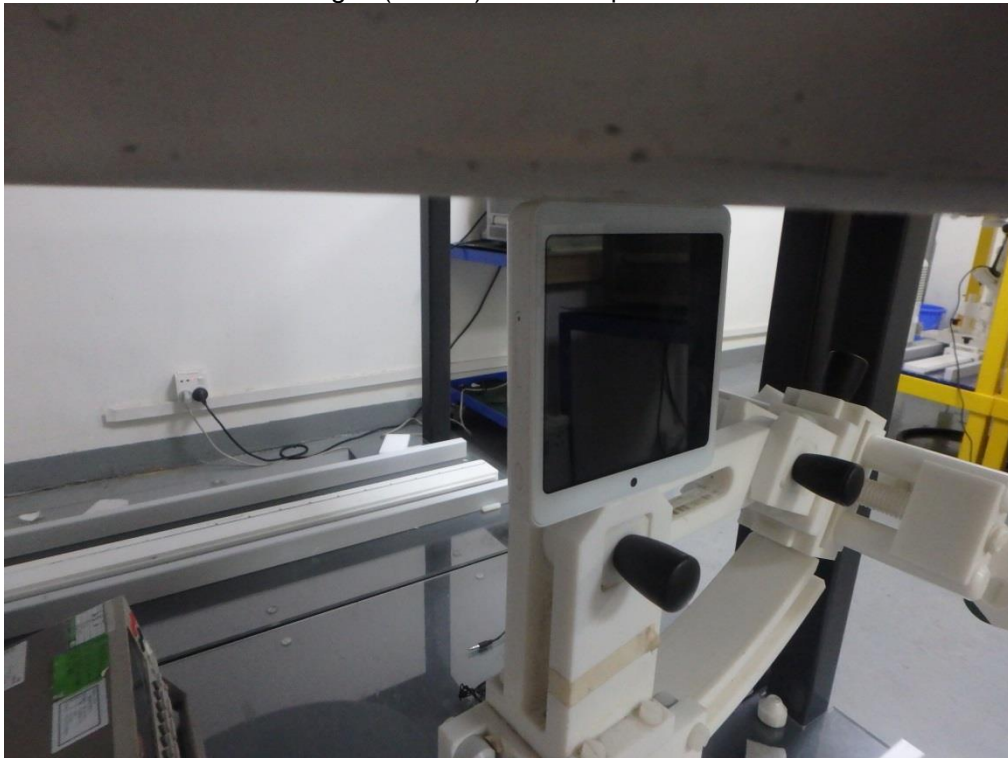
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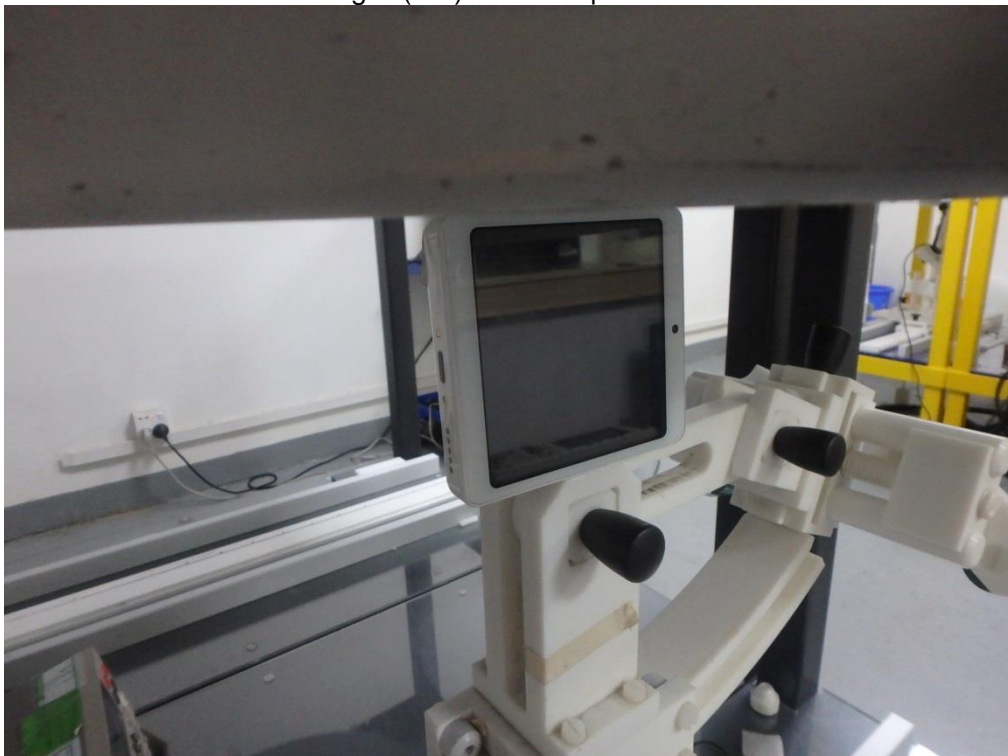
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Edge 3(Bottom) 0mm-Hotspot Mode



Edge 4(Left) 0mm-Hotspot Mode



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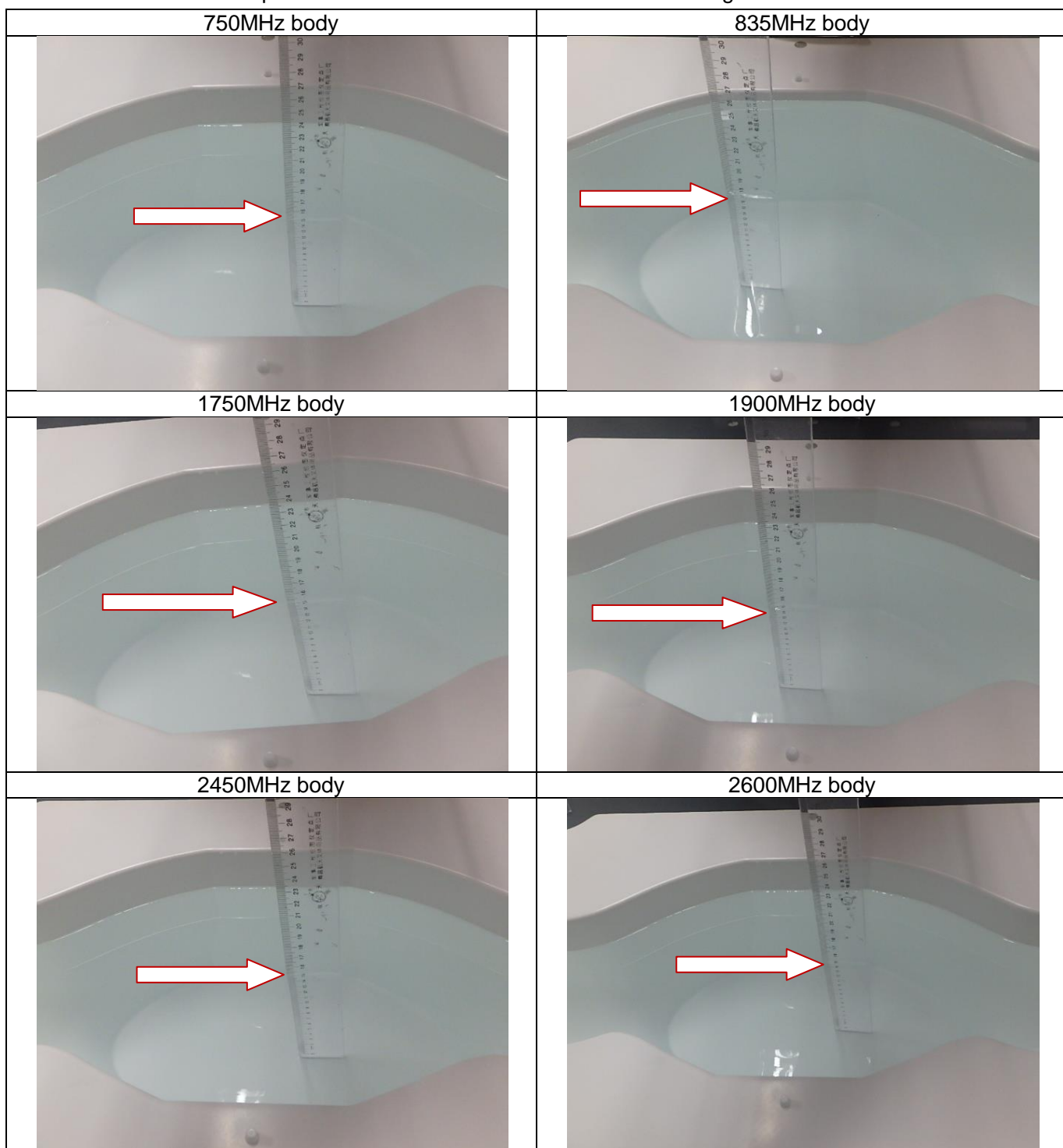
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### DEPTH OF THE LIQUID IN THE PHANTOM—ZOOM IN

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

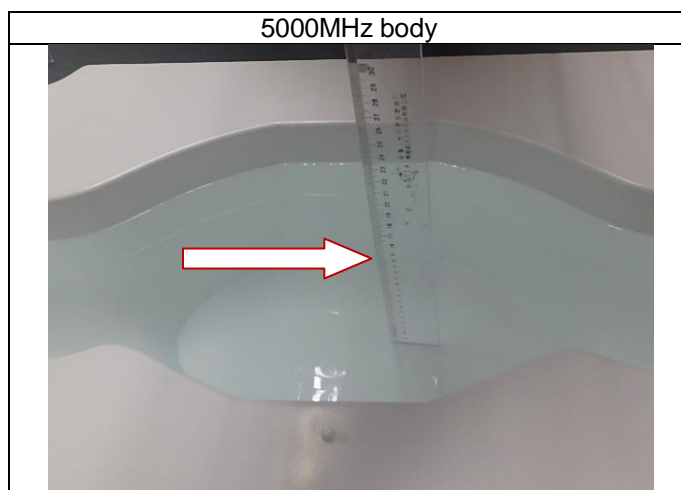


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## APPENDIX D. CALIBRATION DATA

Refer to Attached files.

**----END OF REPORT----**

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