



No. I23Z70141-SEM01

For

Samsung Electronics Co., Ltd.

Multi-band GSM/WCDMA/LTE phone with Bluetooth, WLAN

Model Name: SM-A057F/DS, SM-A057F

with

Hardware Version: REV1.0

Software Version: A057F.001

FCC ID: ZCASMA057F

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Test Laboratory:

CTTL, Telecommunication Technology Labs, CAICT

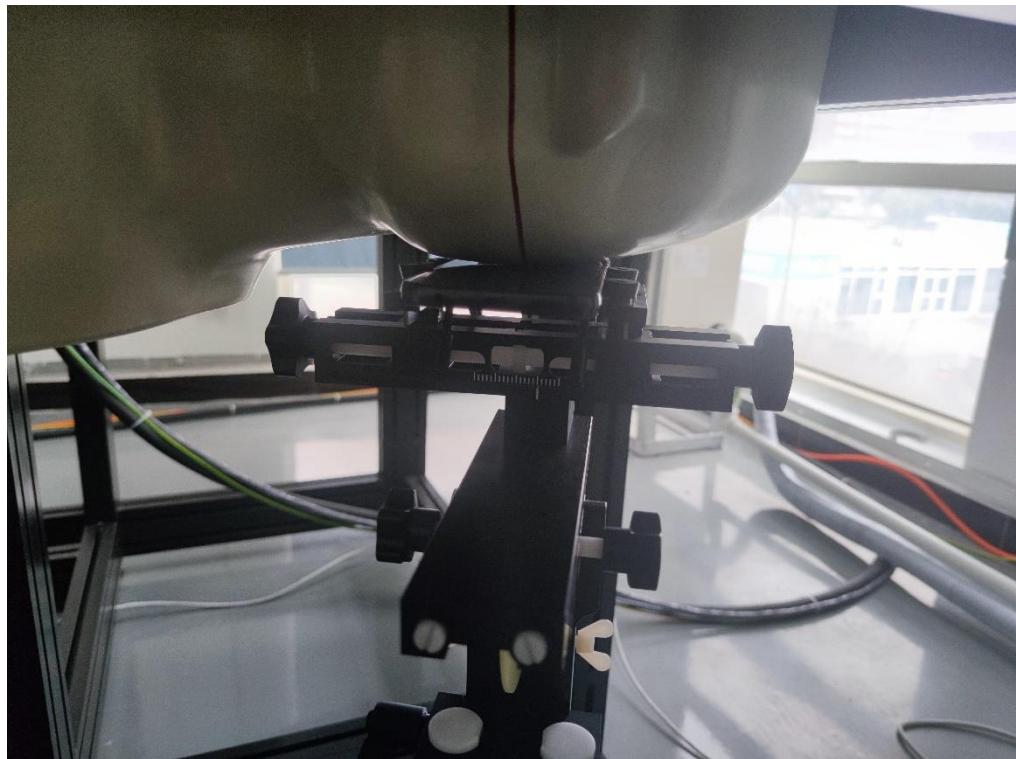
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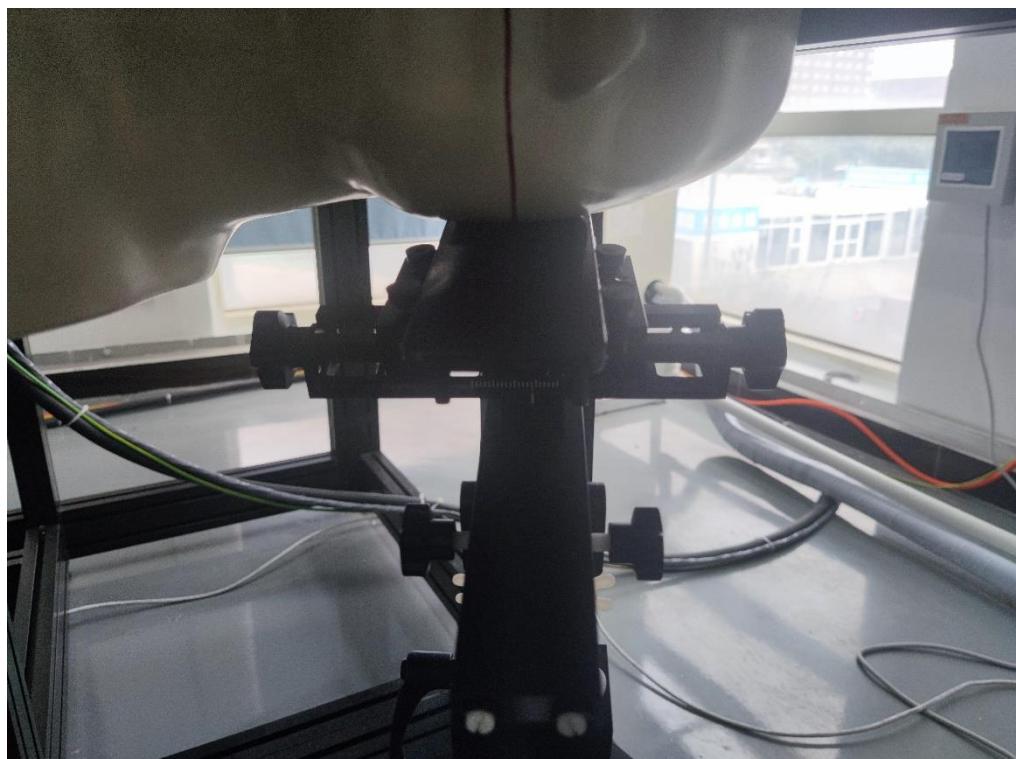
Email: ctl_terminals@caict.ac.cn, website: www.caict.ac.cn



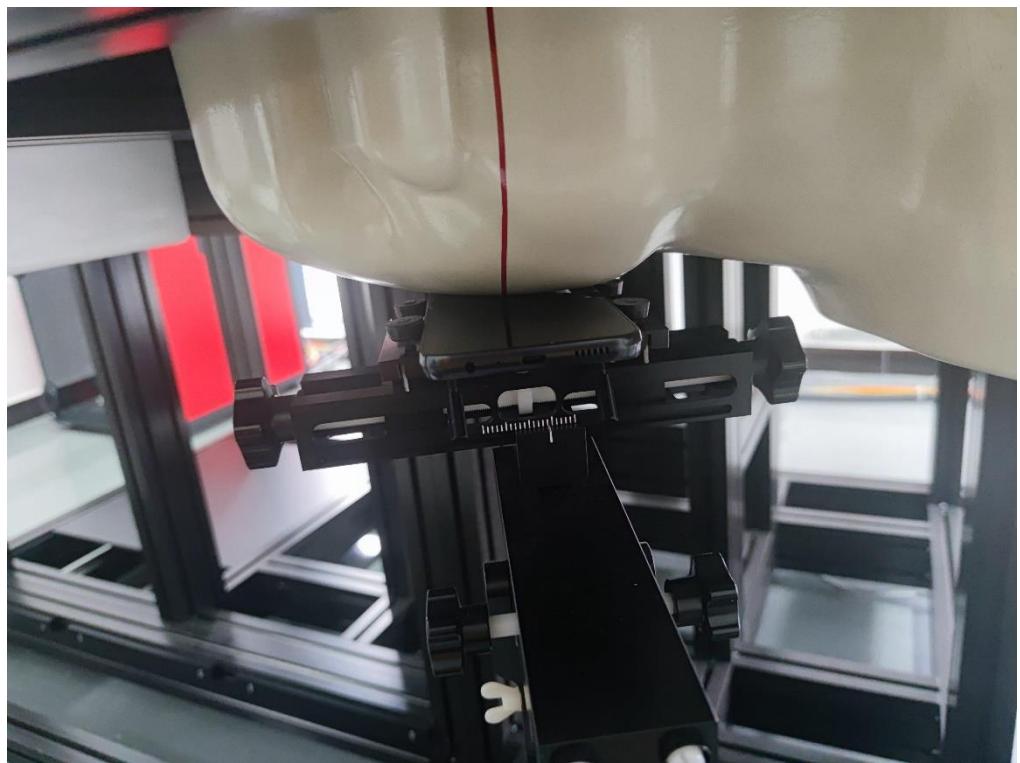
Picture 1: Constituents of the sample



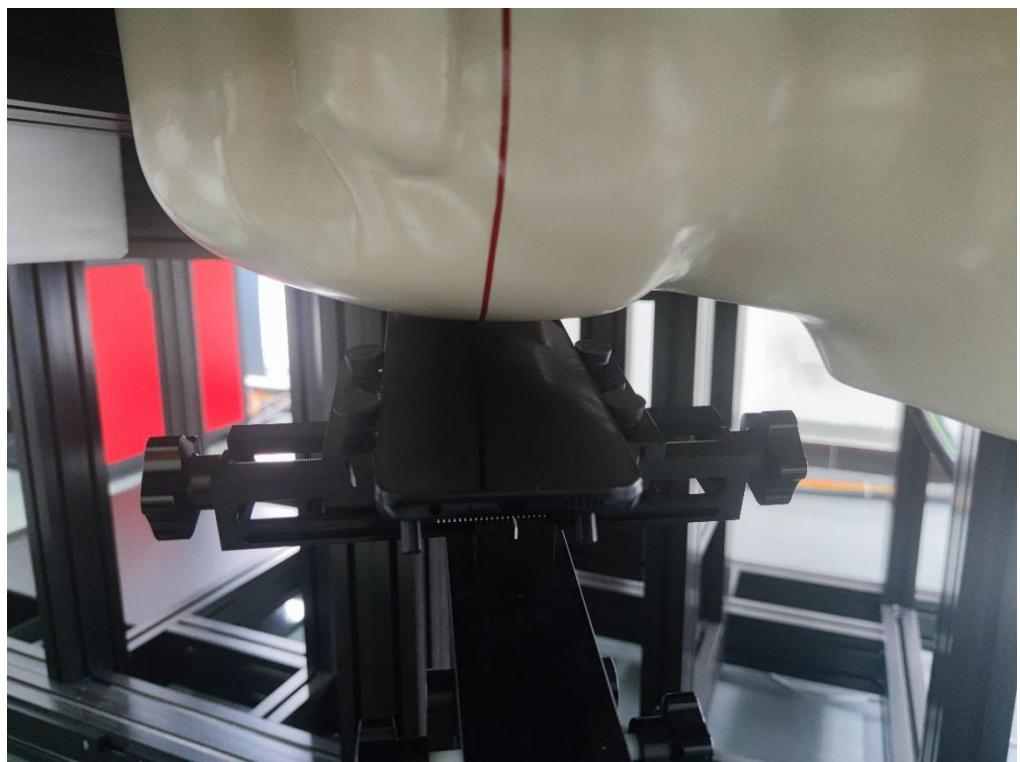
Picture 2: Left Head Touch Cheek Position



Picture 3: Left Head Tilt 15° Position



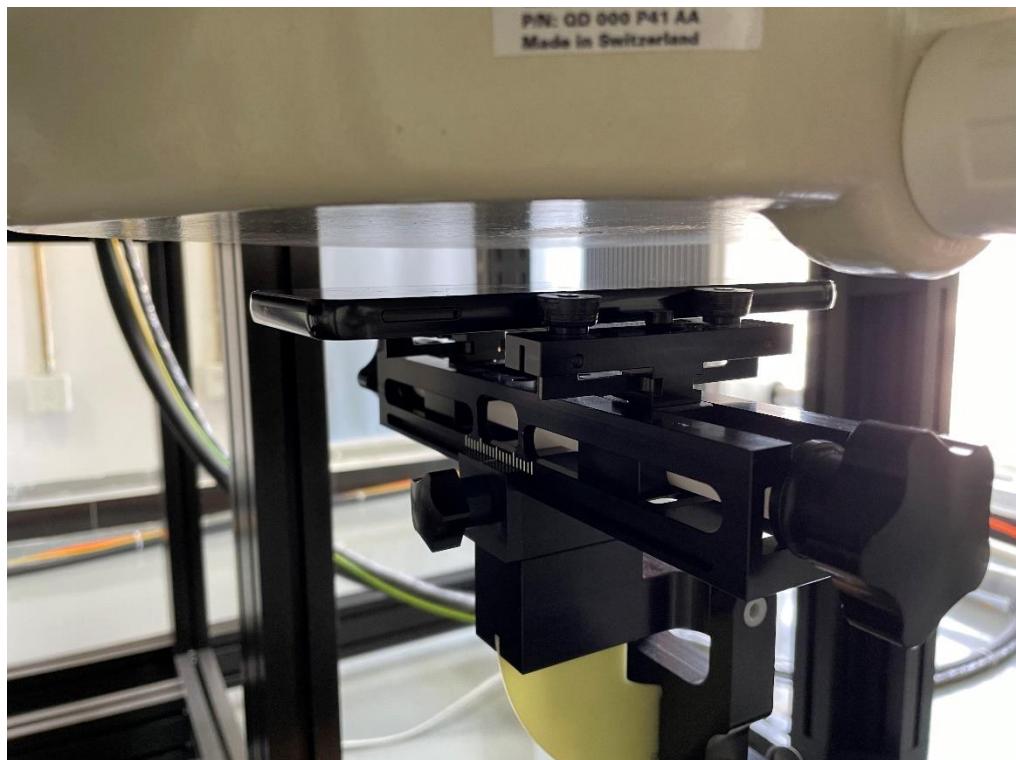
Picture 4: Right Head Touch Cheek Position



Picture 5: Right Head Tilt 15° Position

Test positions for body:

The Body SAR is tested at the following test positions all with the distance =10/13/14/20/21/22/23mm between the EUT and the phantom bottom:



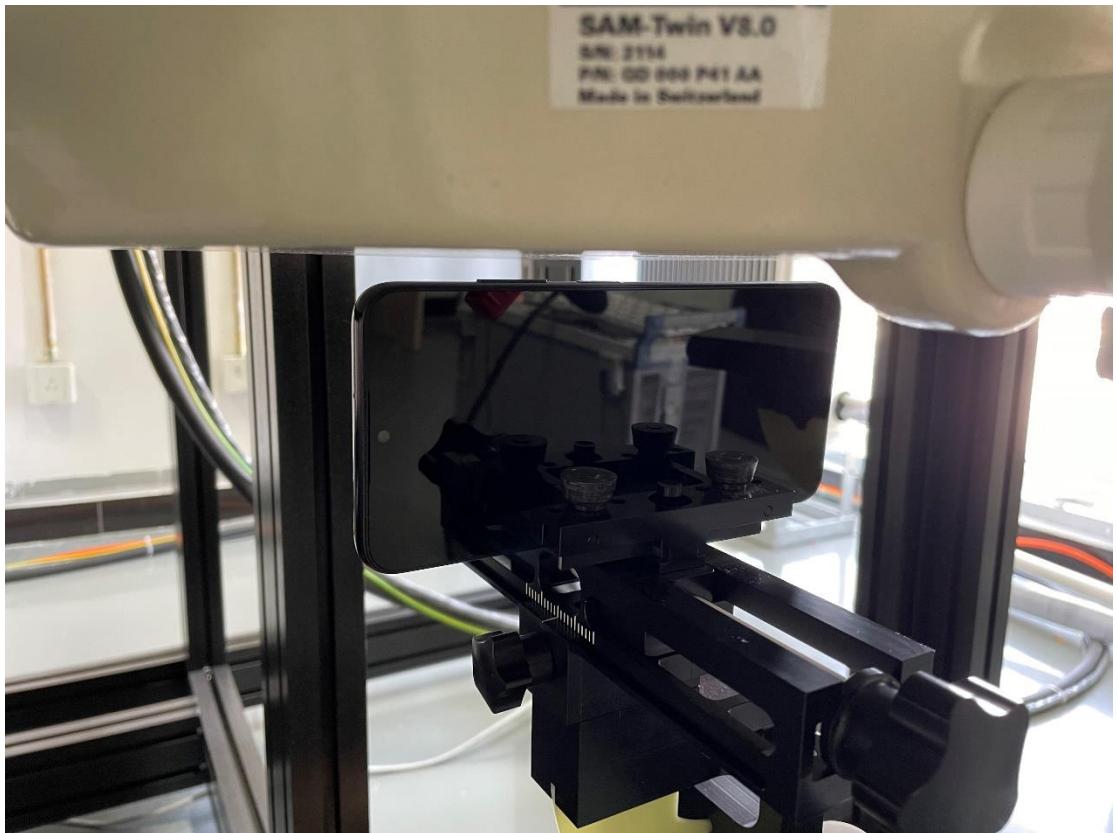
Picture 6: Front 10mm



Picture 7: Rear 10mm



Picture 8: Left 10mm



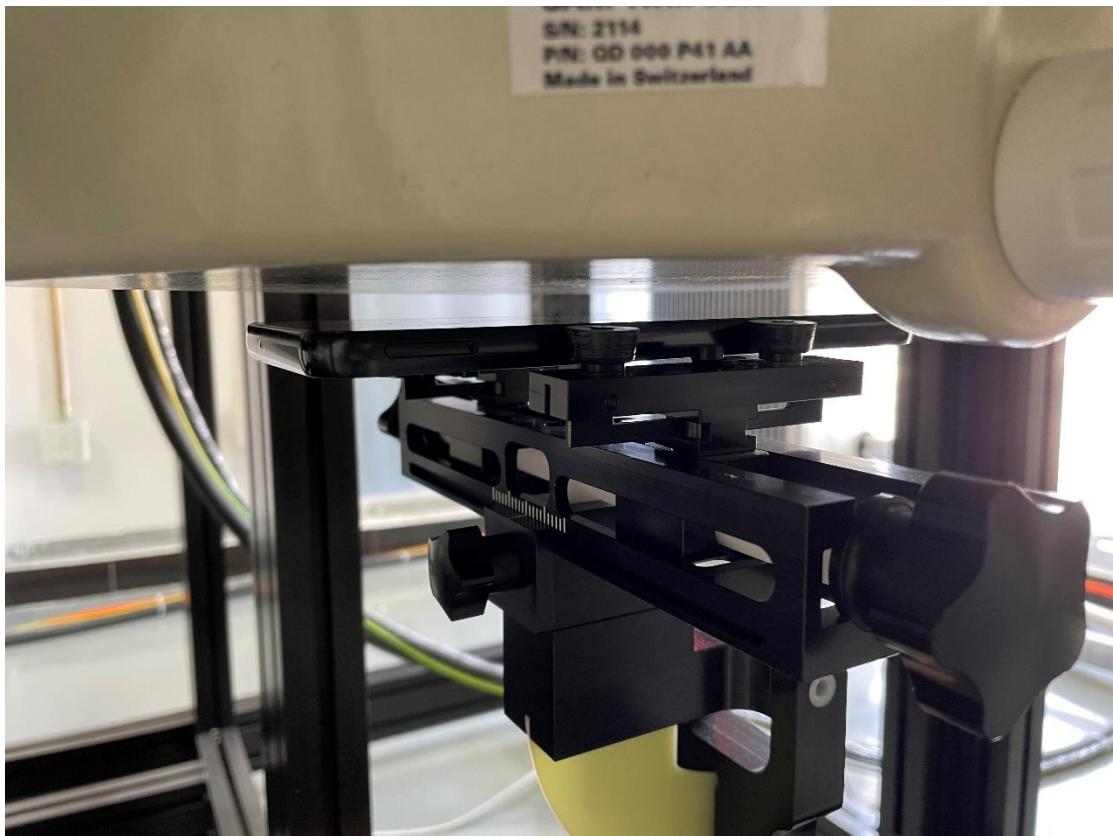
Picture 9: Right 10mm



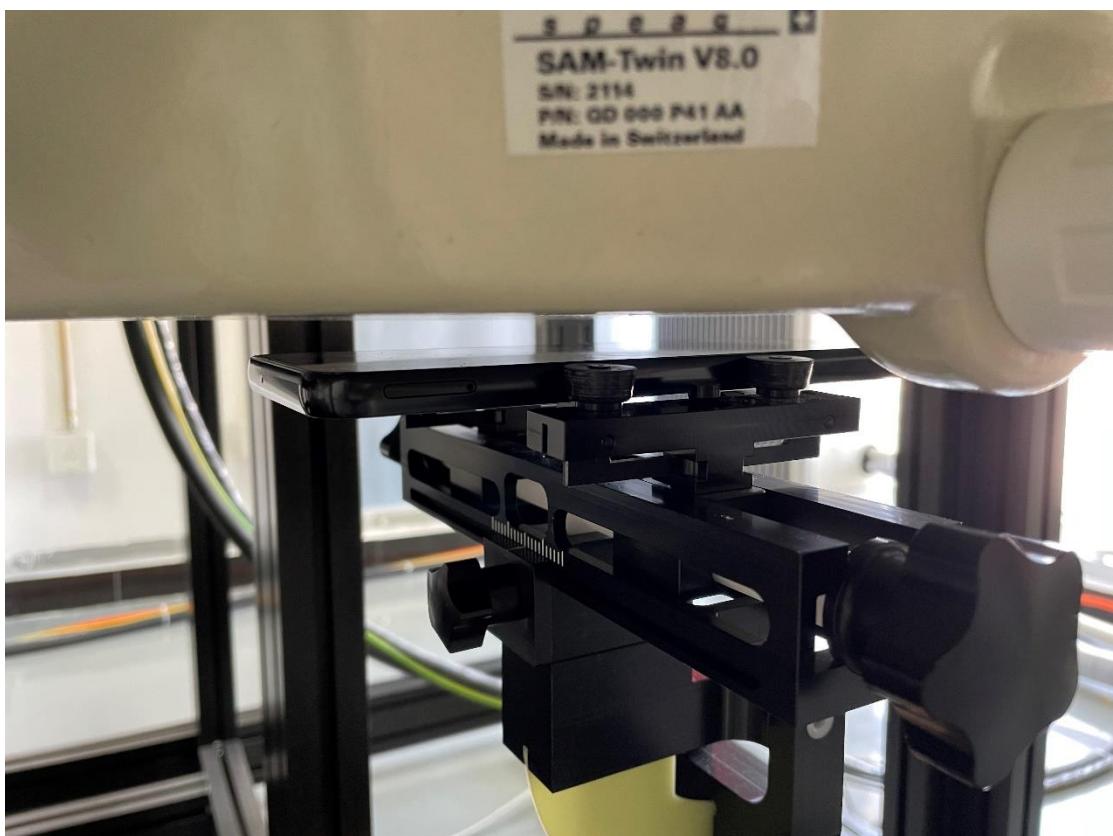
Picture 10: Top 10mm



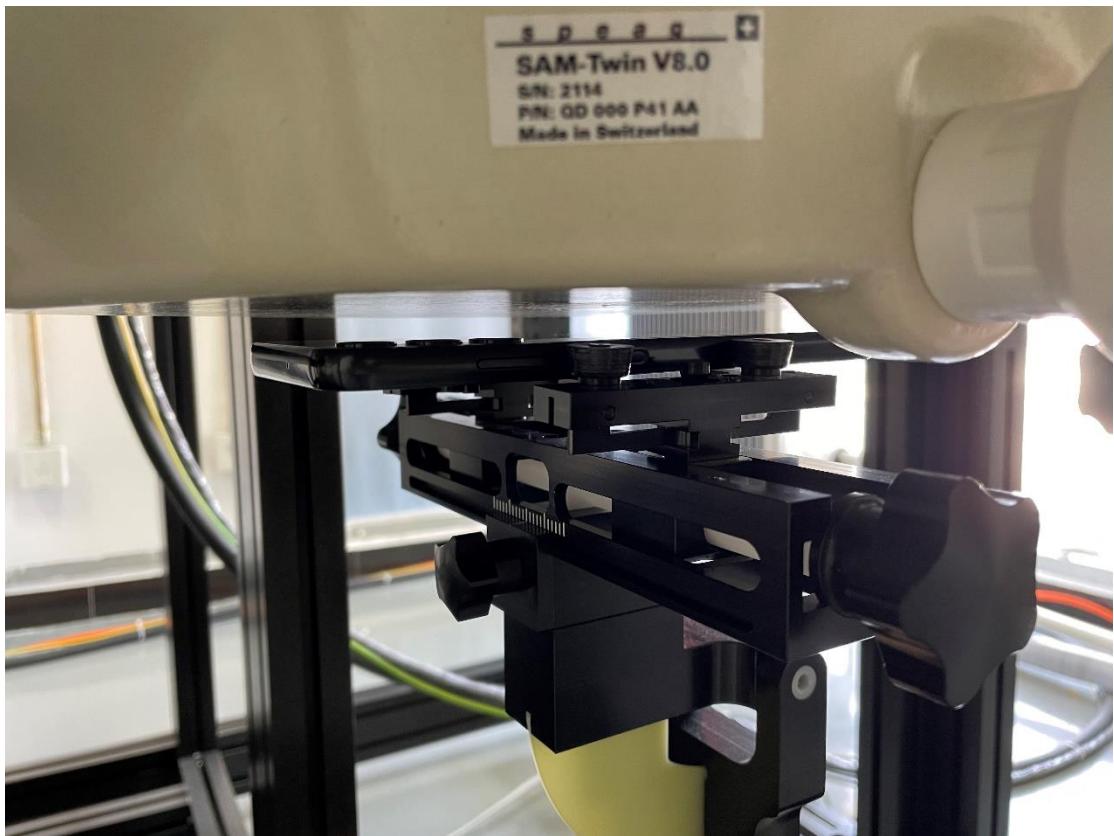
Picture 11: Bottom 10mm



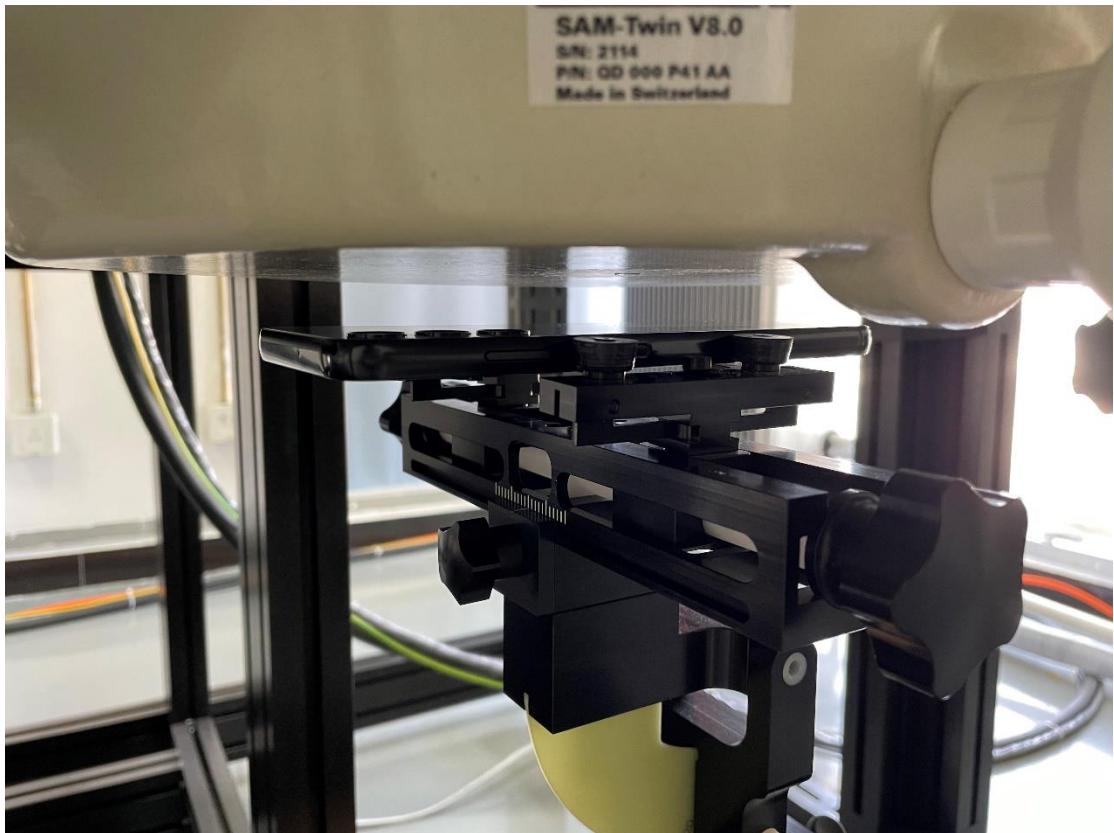
Picture 12: Front 14mm



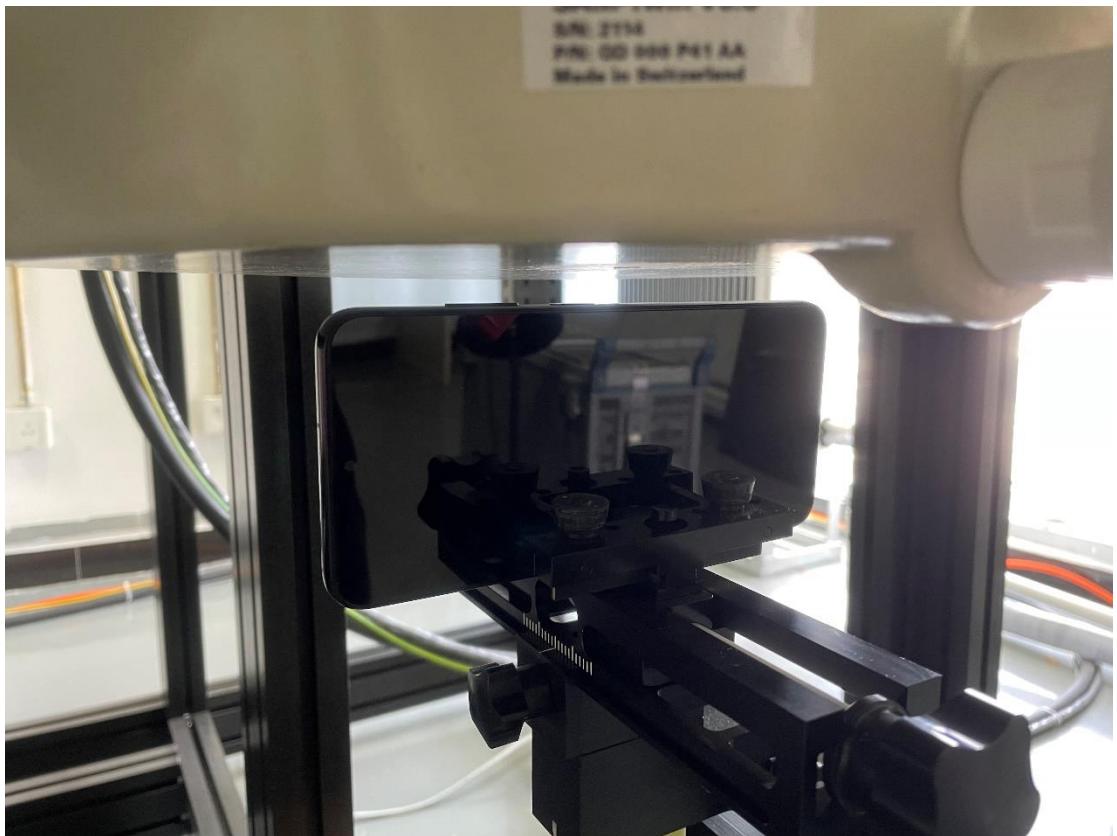
Picture 13: Front 20mm



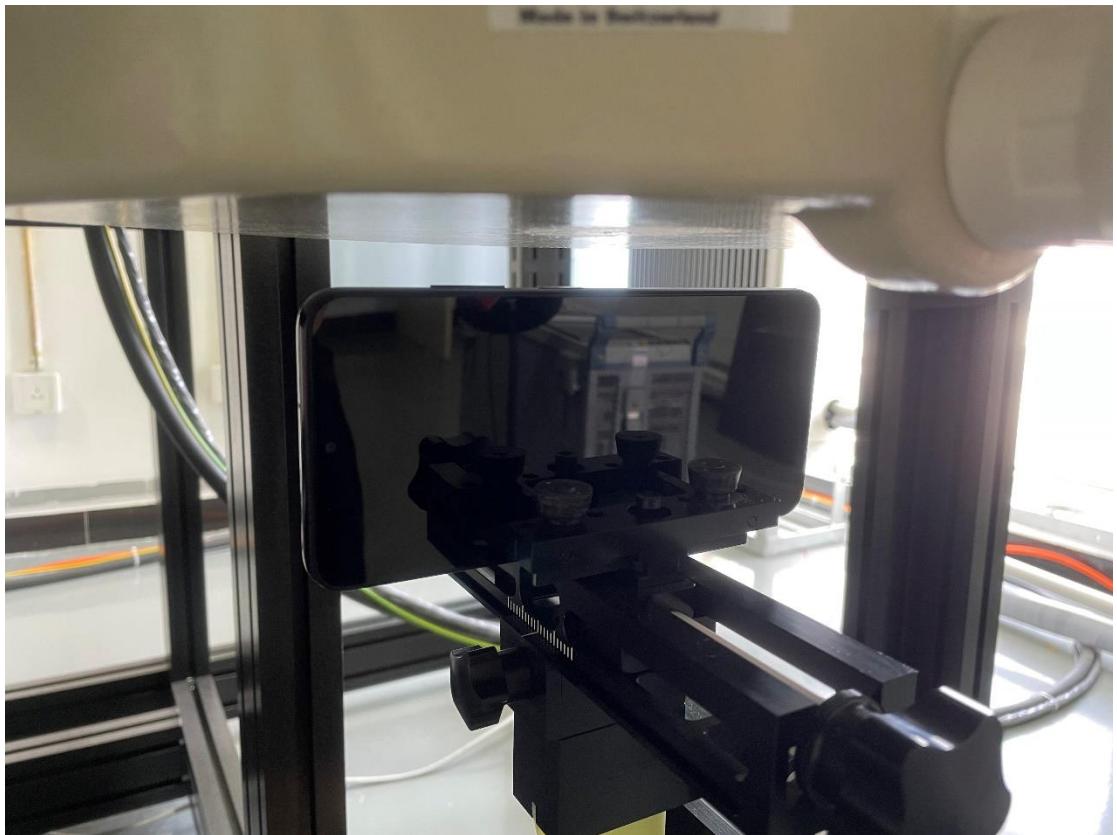
Picture 14: Rear 21mm



Picture 15: Rear 22mm



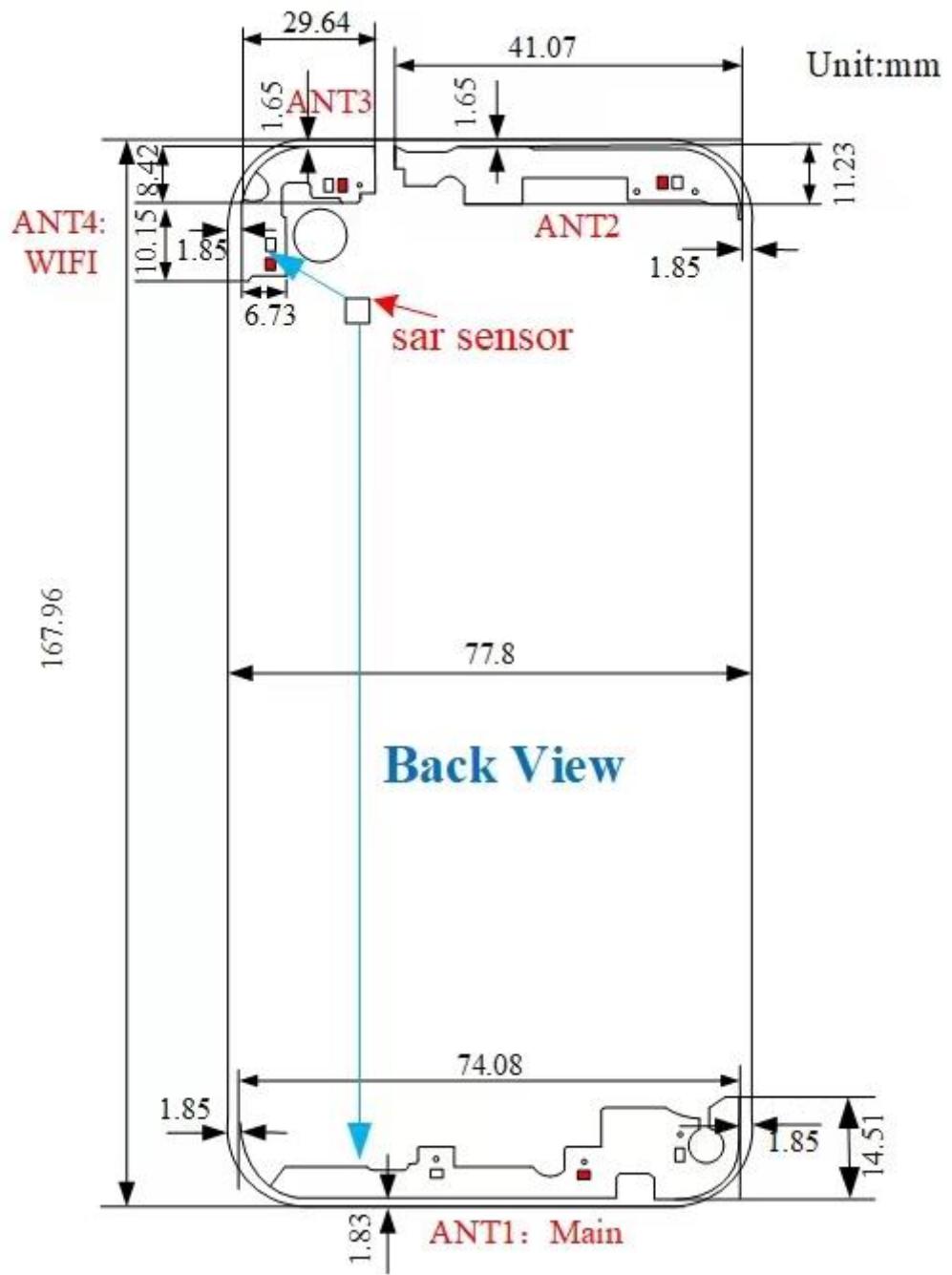
Picture 16: Right 13mm



Picture 17: Right 22mm

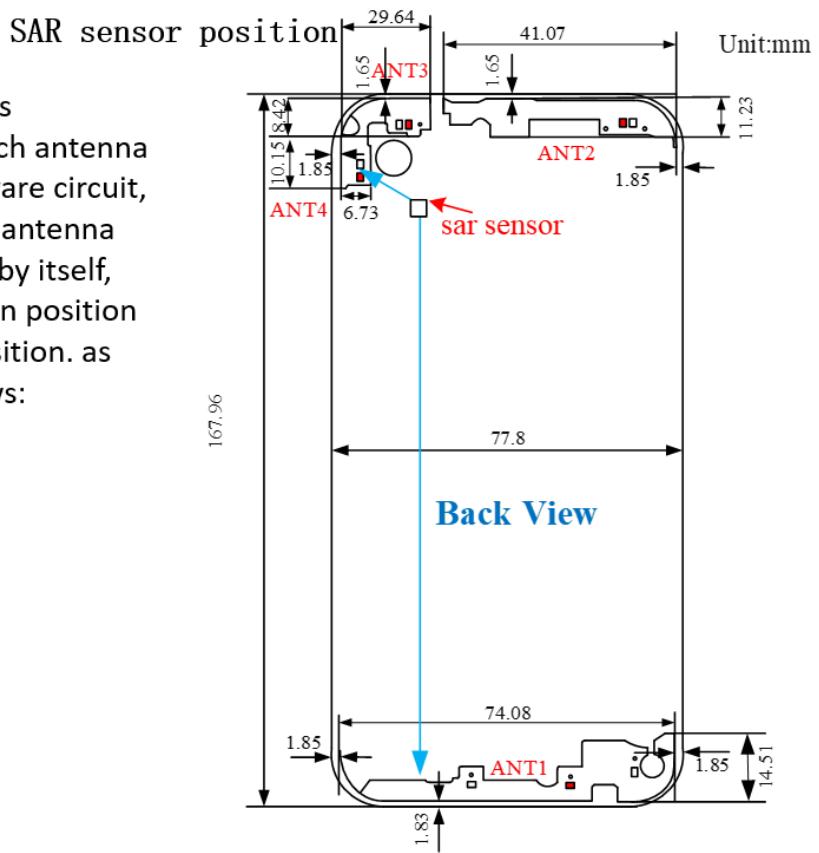


Picture 18: Bottom 23mm



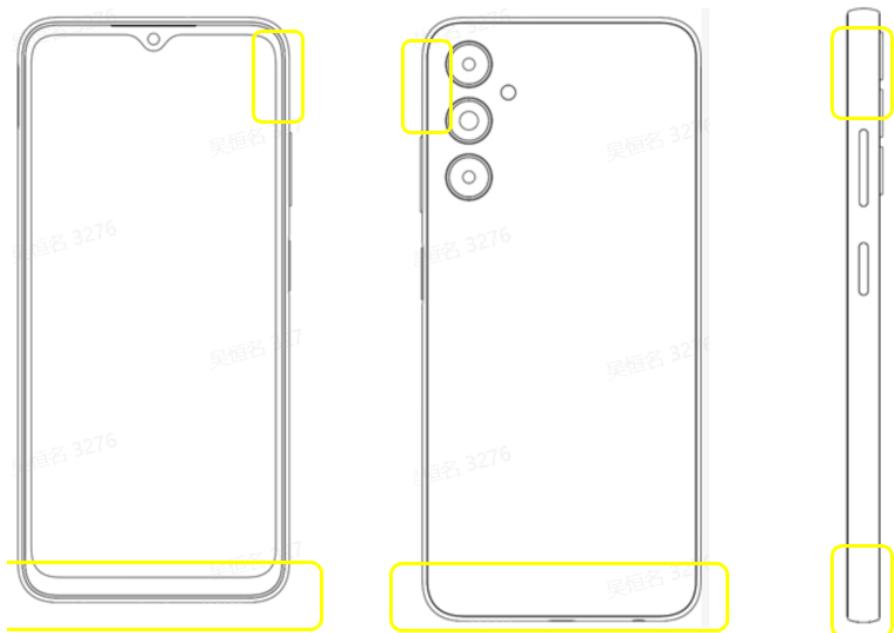
Picture 19: Antenna Locations

The SAR sensor is connected to each antenna through a hardware circuit, so it obtains the antenna induction signal by itself, and the detection position is the sensor position. as the picture shows:



Picture 20: SAR sensor position

SAR Sensor Trigger region Trigger area in yellow box



SAR Sensor Trigger region

Trigger area in yellow box



Picture 21: SAR sensor trigger region