



No. I22Z70331-SEM01

For

SAMSUNG Electronics Co., Ltd.

Multi-band GSM/WCDMA/LTE/5GNR Phone with Bluetooth,WLAN

Model Name: SM-A146U

with

Hardware Version: REV1.0

Software Version: A146U.001

FCC ID: ZCasma146U

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.

Test Laboratory:

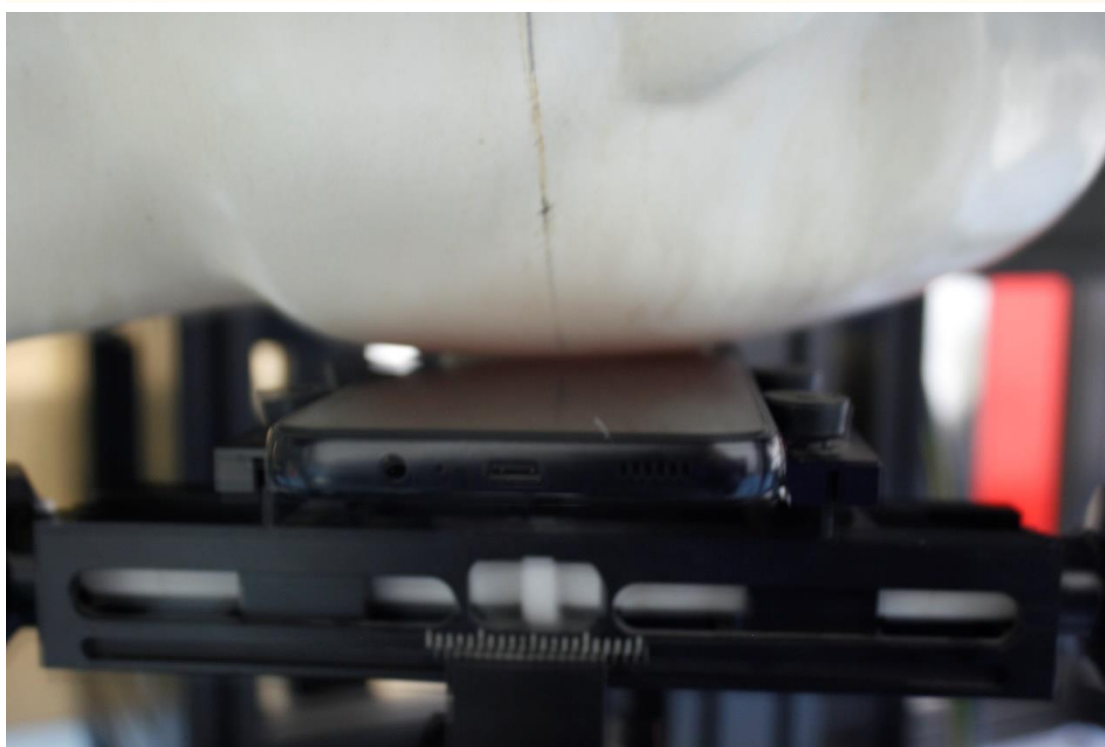
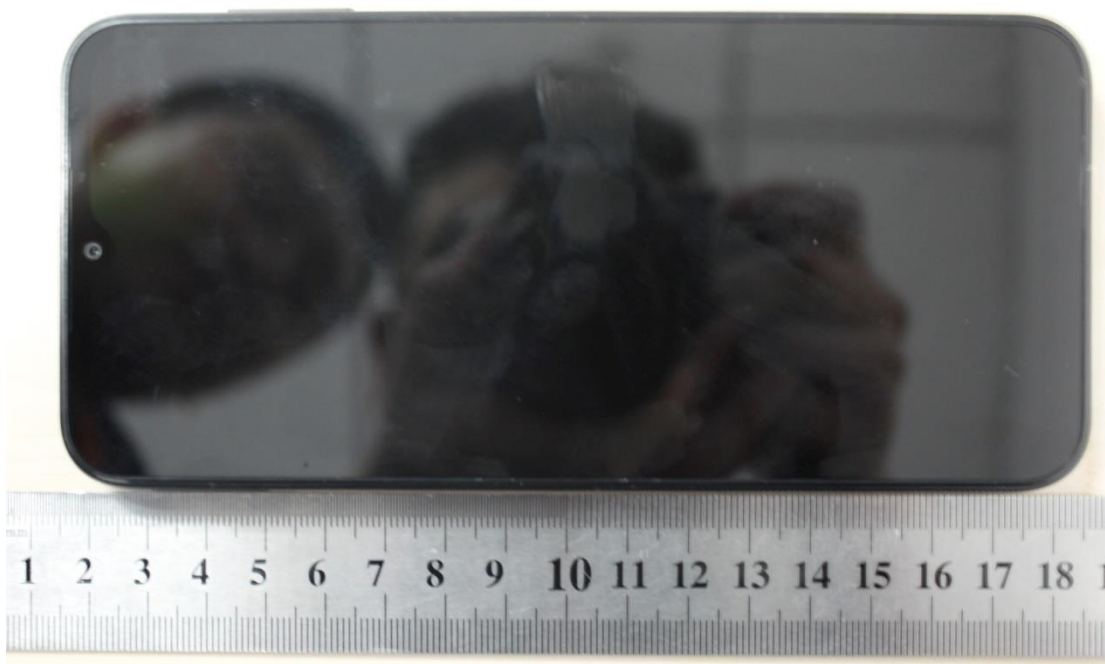
CTTL, Telecommunication Technology Labs, CAICT

No. 52, Huayuan North Road, Haidian District, Beijing, P. R. China 100191.

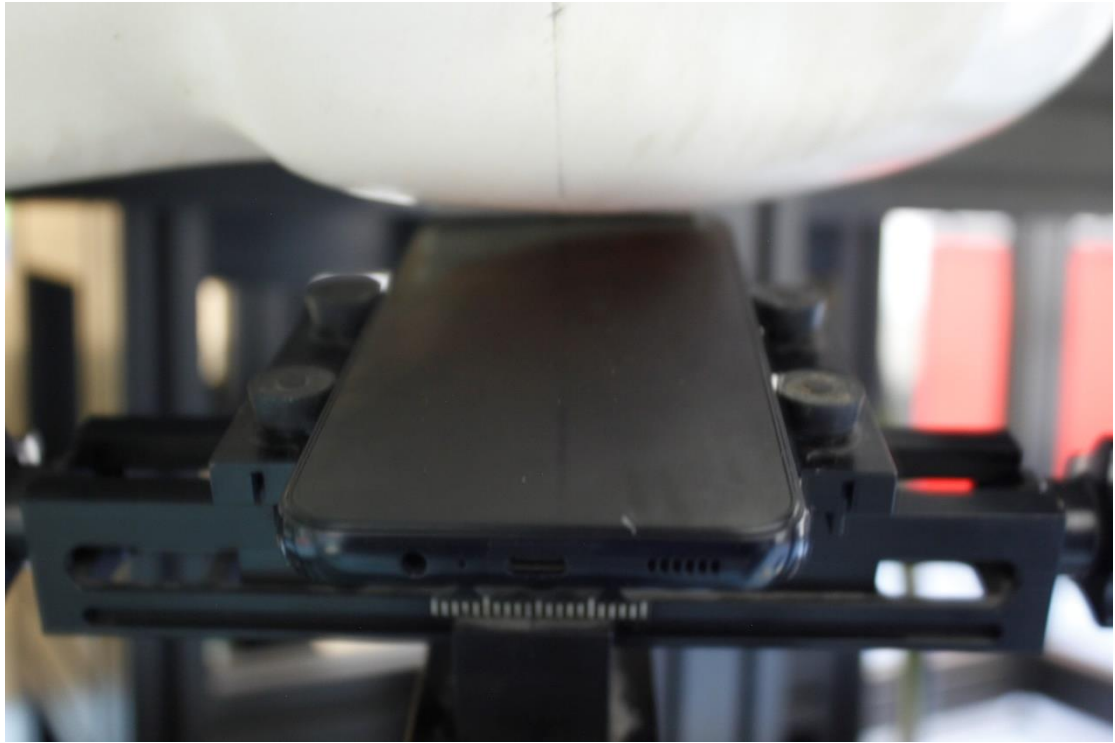
Tel:+86(0)10-62304633-2512, Fax:+86(0)10-62304633-2504

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

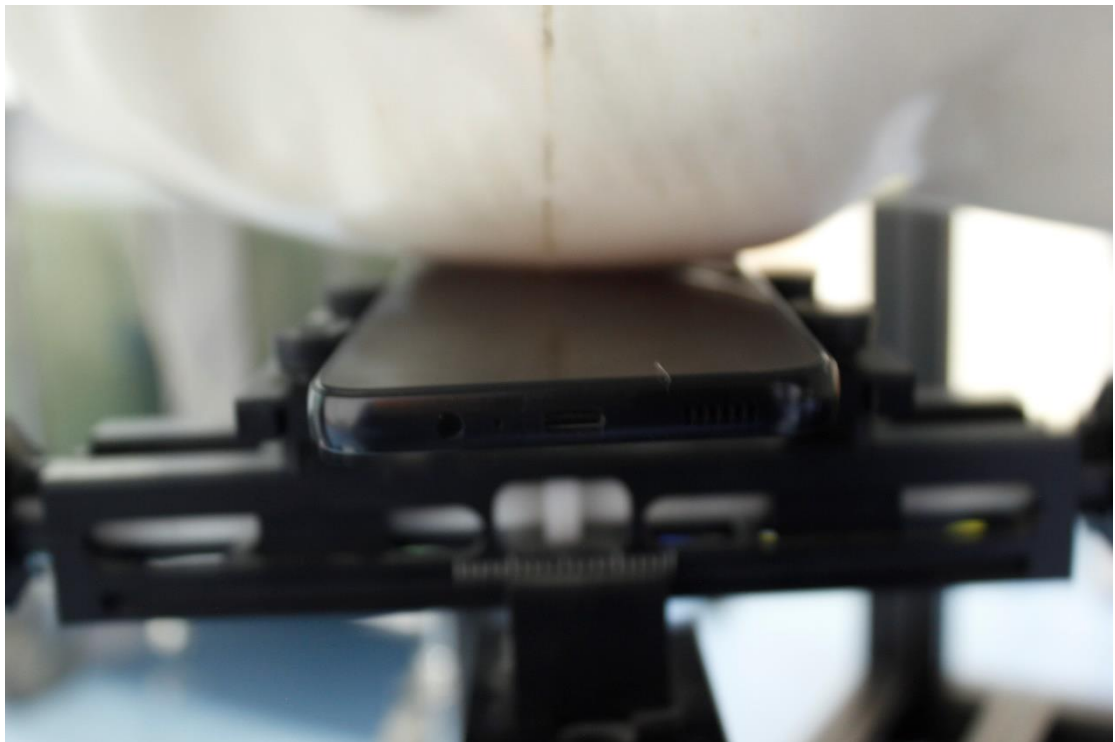
Picture 1: Constituents of the sample



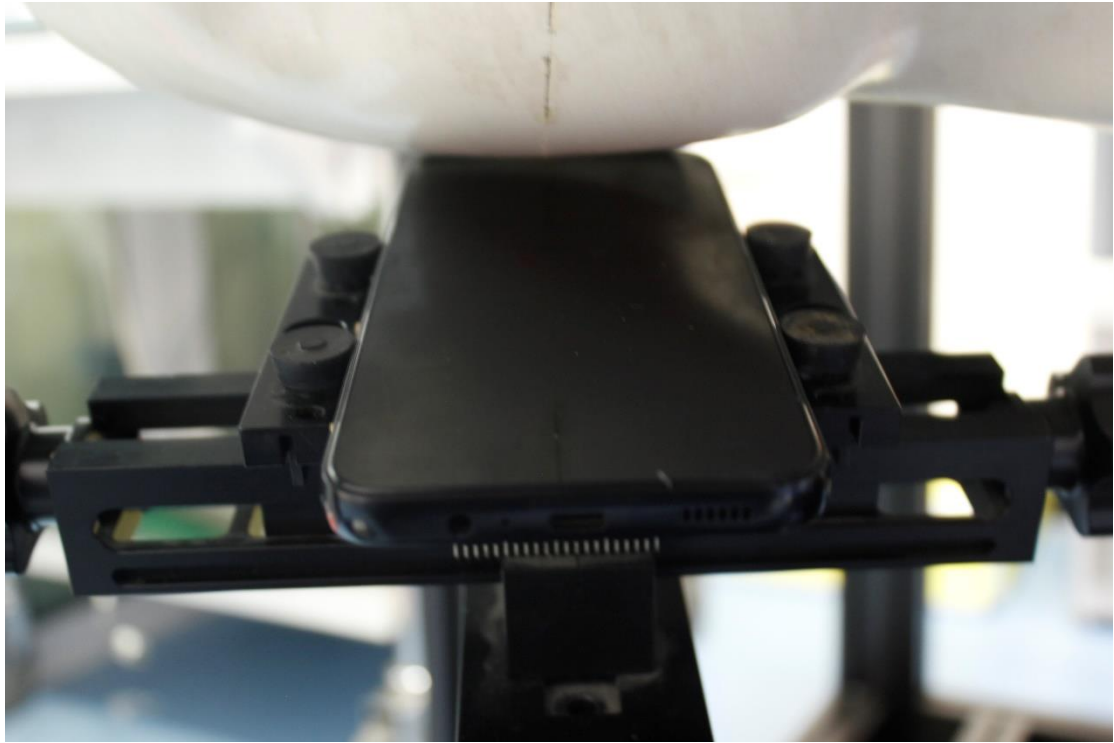
Picture 2: Left Head Touch Cheek Position



Picture 3: Left Head Tilt 15° Position



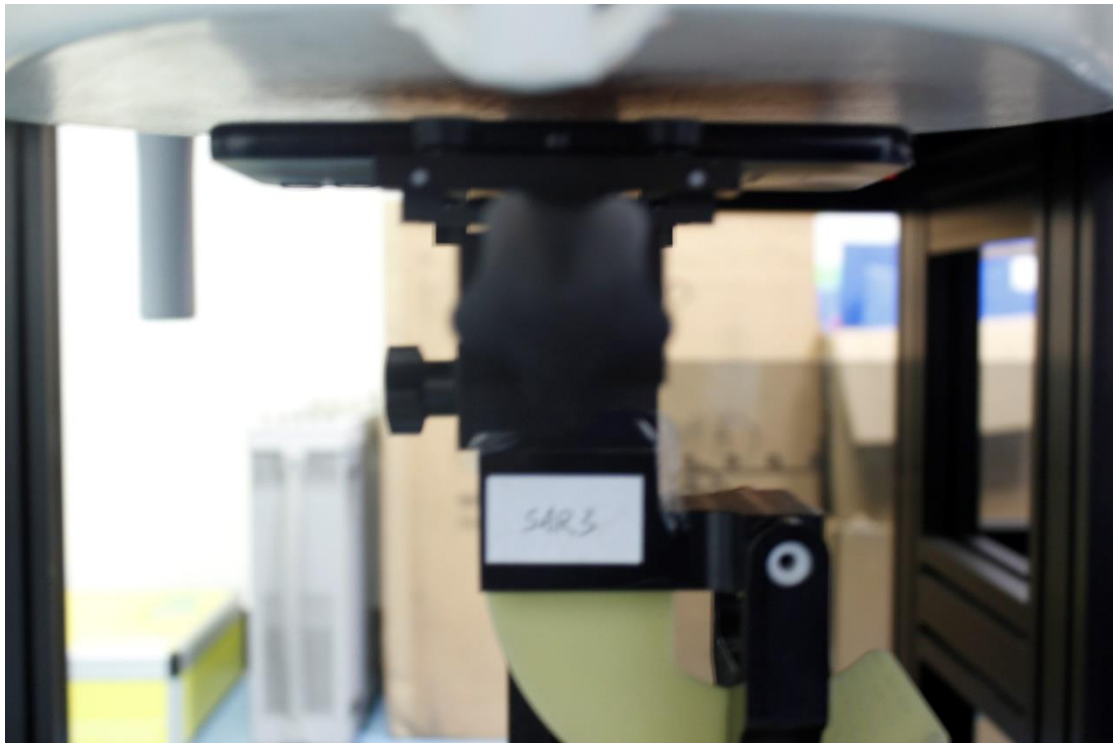
Picture 4: Right Head Touch Cheek Position



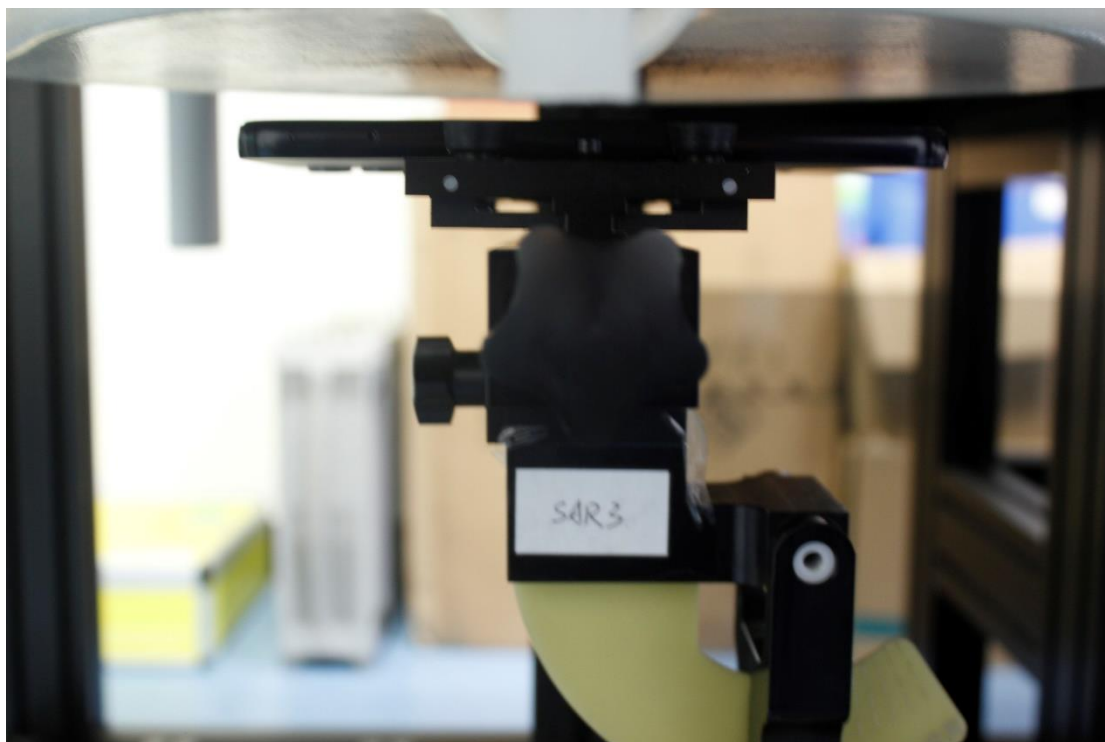
Picture 5: Right Head Tilt 15° Position

Test positions for body:

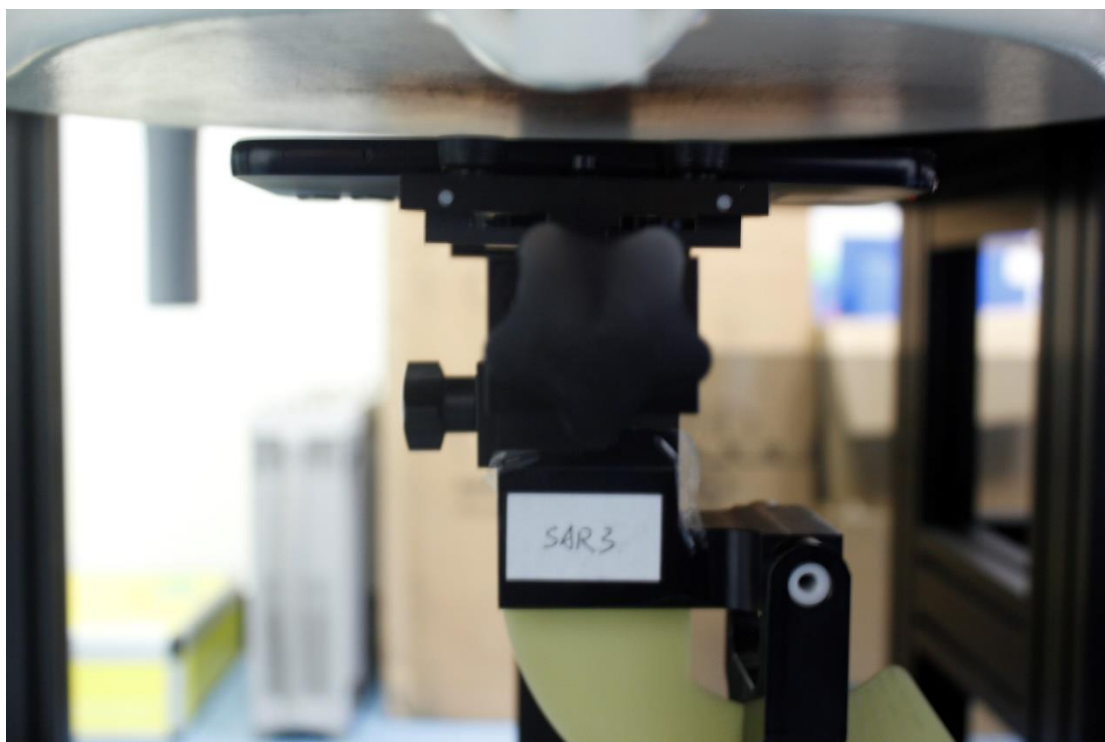
The Body SAR is tested at the following 9 test positions all with the distance =10/14/15/17/19/20/21/23/27mm between the EUT and the phantom bottom:



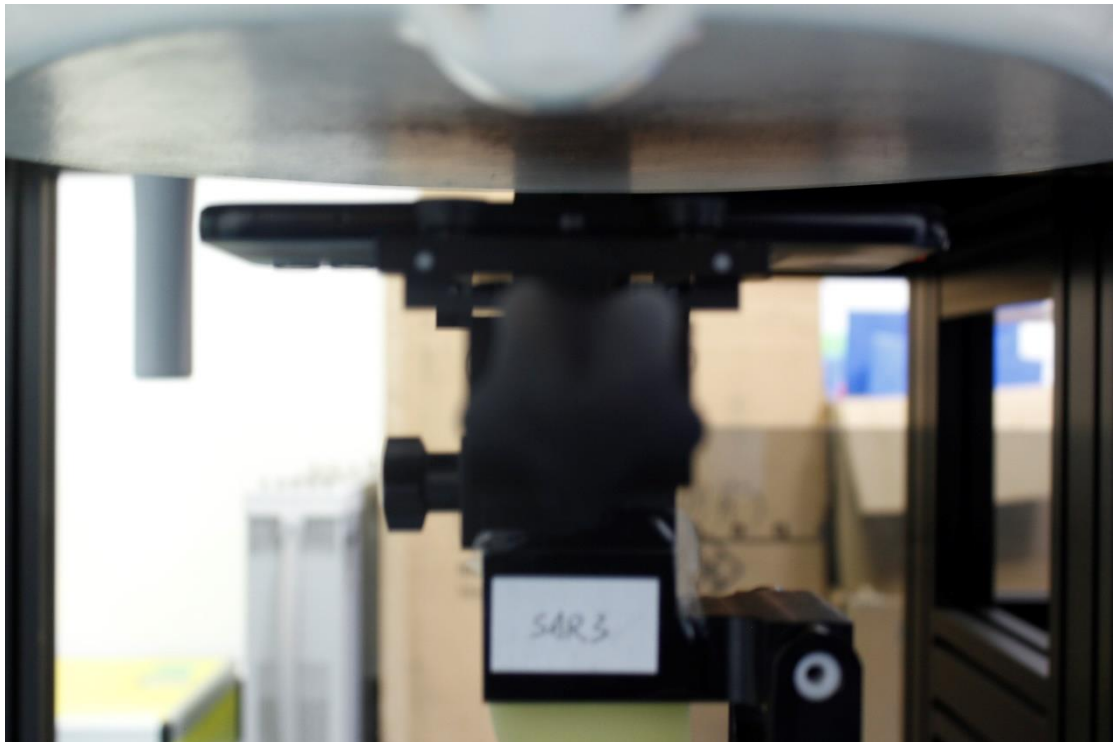
Picture 6: Front 10mm



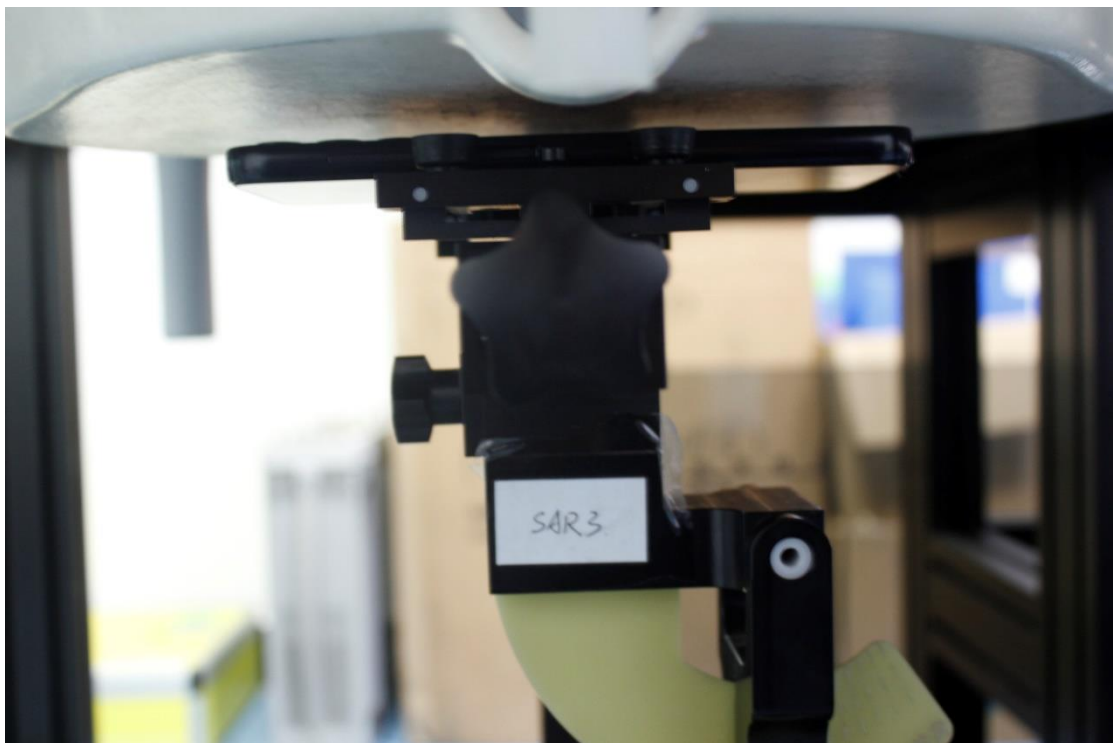
Picture 7: Front 15mm



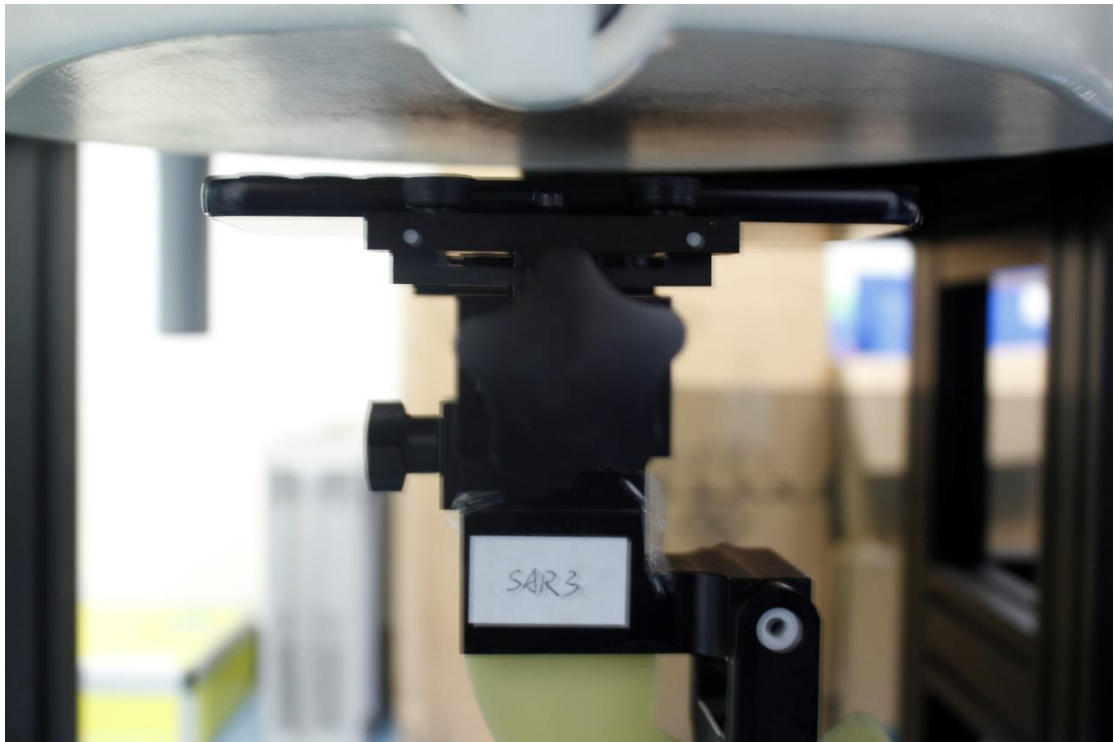
Picture 8: Front 17mm



Picture 9: Front 23mm



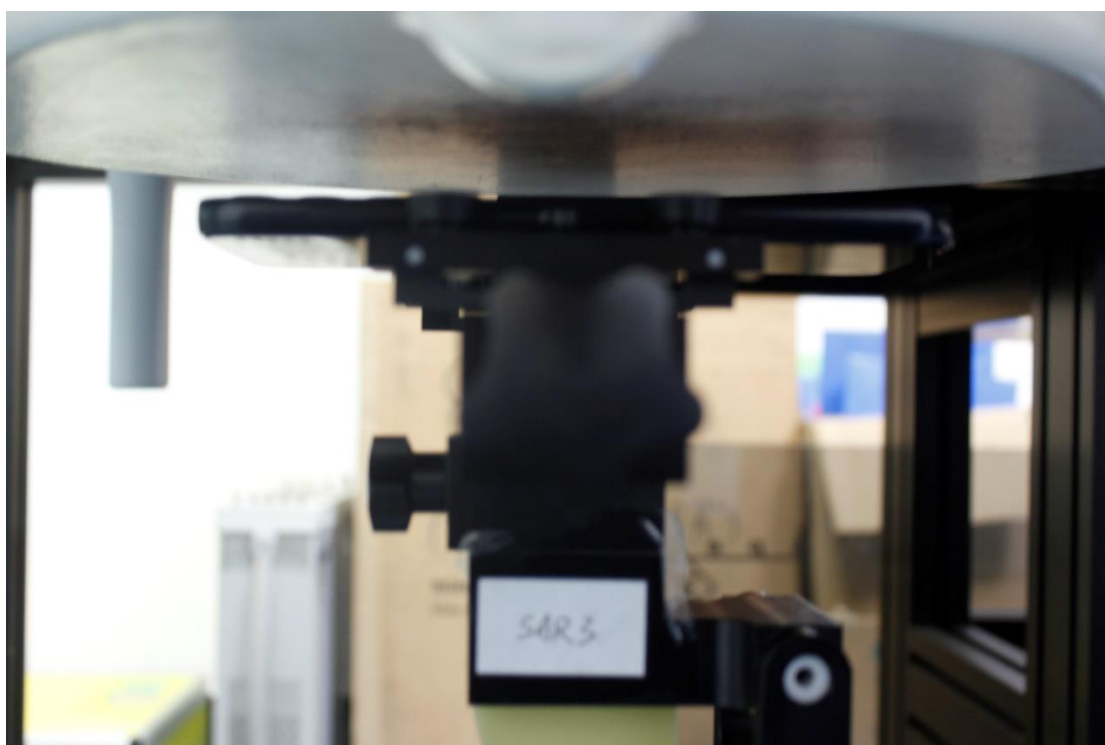
Picture 10: Rear 10mm



Picture 11: Rear 19mm



Picture 12: Rear 20mm



Picture 13: Rear 23mm



Picture 14: Rear 27mm



Picture 15: Left 10mm



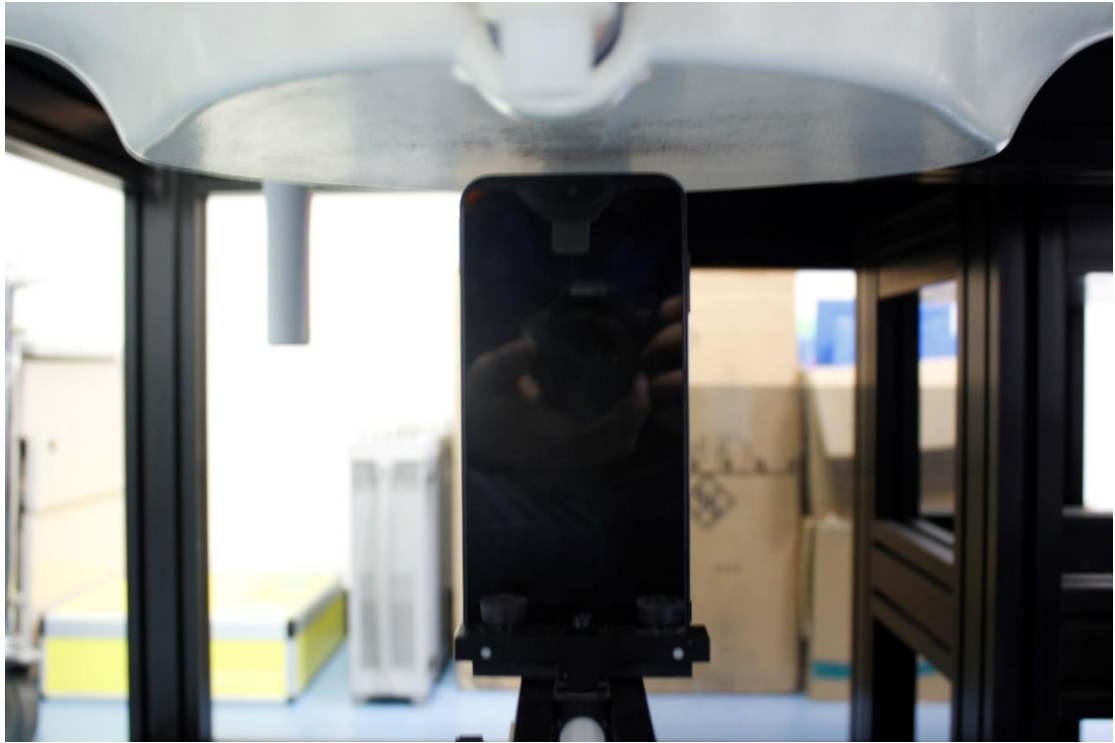
Picture 16: Left 14mm



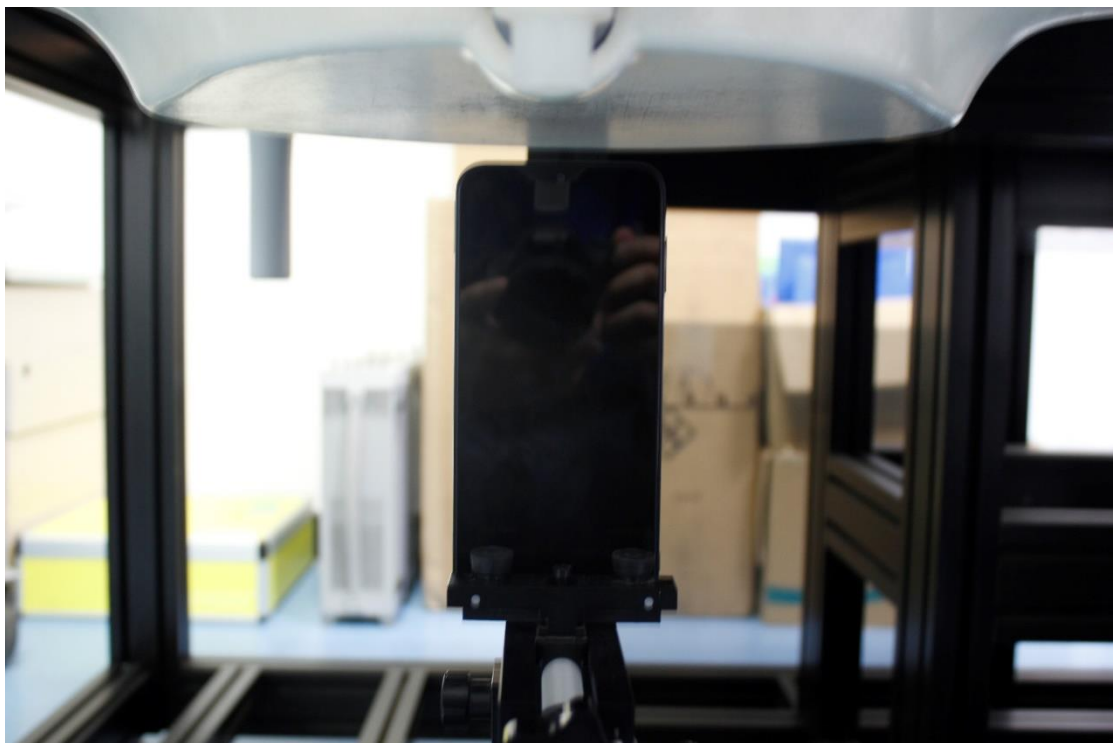
Picture 17: Left 17mm



Picture 18: Right 10mm



Picture 19: Top 10mm



Picture 20: Top 22mm



Picture 21: Top 27mm



Picture 22: Bottom 10mm

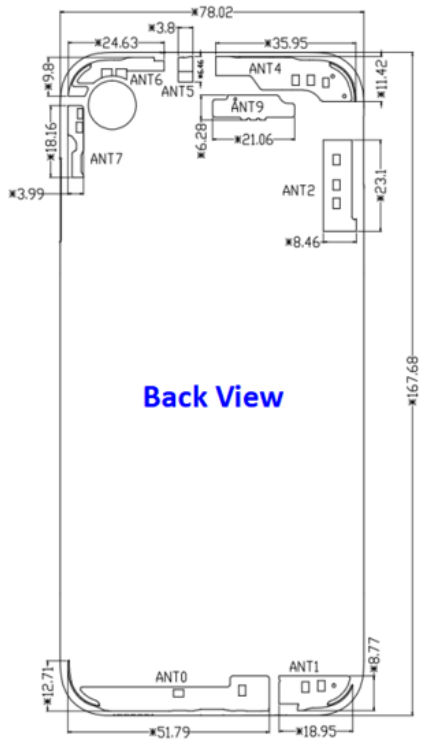


Picture 23: Bottom 15mm



Picture 24: Bottom 21mm

Transmit Antenna Separation Distances



Back View

TX ANT	Band
0	GSM850 WCDMA B5 LTE B5/7/12/13/14/26/30/71 NR n5/71
1	GSM1900 LTE B2/4/25/66 NR n2/25/66/70
4	WCDMA B2/4 LTE B2/4/7/25/30/38/41/66 NR n2/25/41/66
5	LTE B48 NR n48/77/78
6	2.4G wifi 802.11b/g/n 5G wifi 802.11a/n/ac

Picture 25 Antenna Locations