



No. I21Z70041-SEM01

For

SAMSUNG Electronics Co., Ltd.

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

Model Name: SM-A226B/DS,SM-A226B

with

Hardware Version: REV1.0

Software Version: A226B.001

FCC ID: ZCASMA226B

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

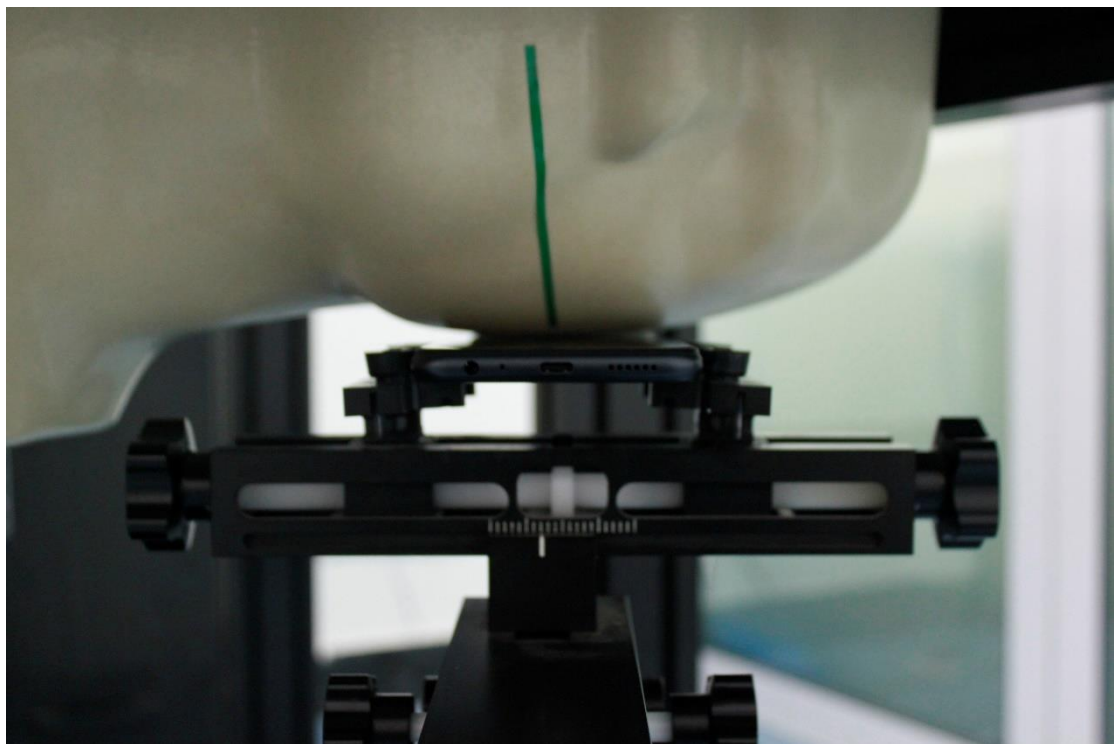
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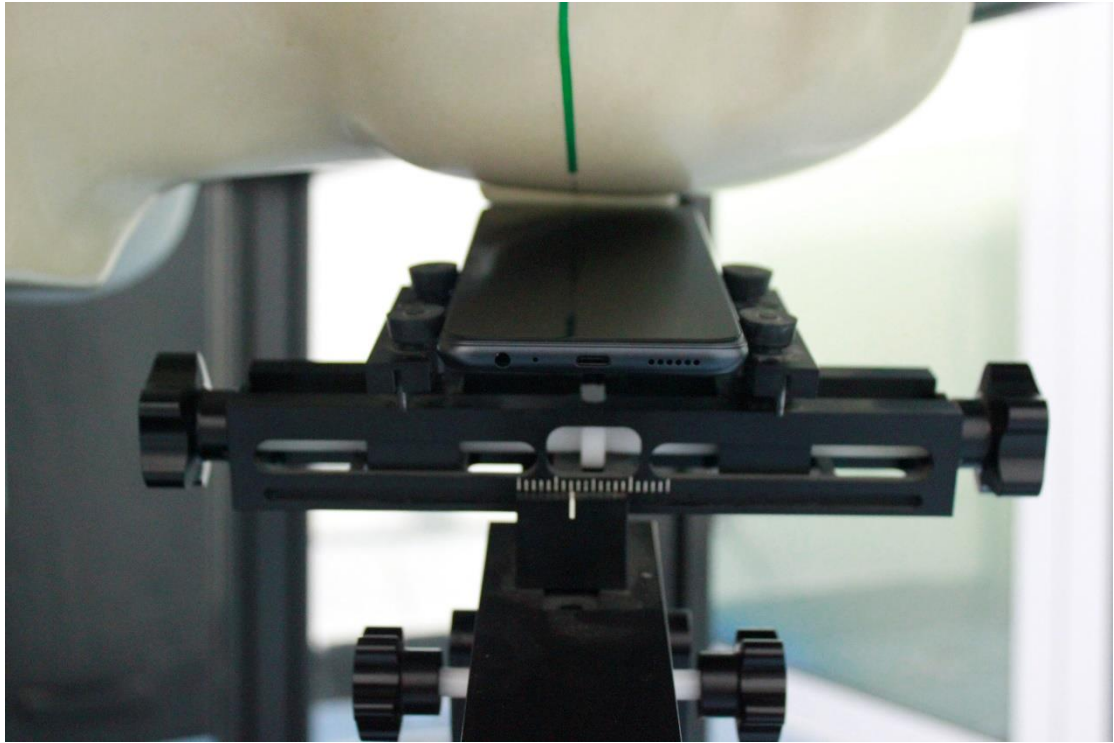
Email: ctl_terminals@caict.ac.cn, website: www.caict.ac.cn



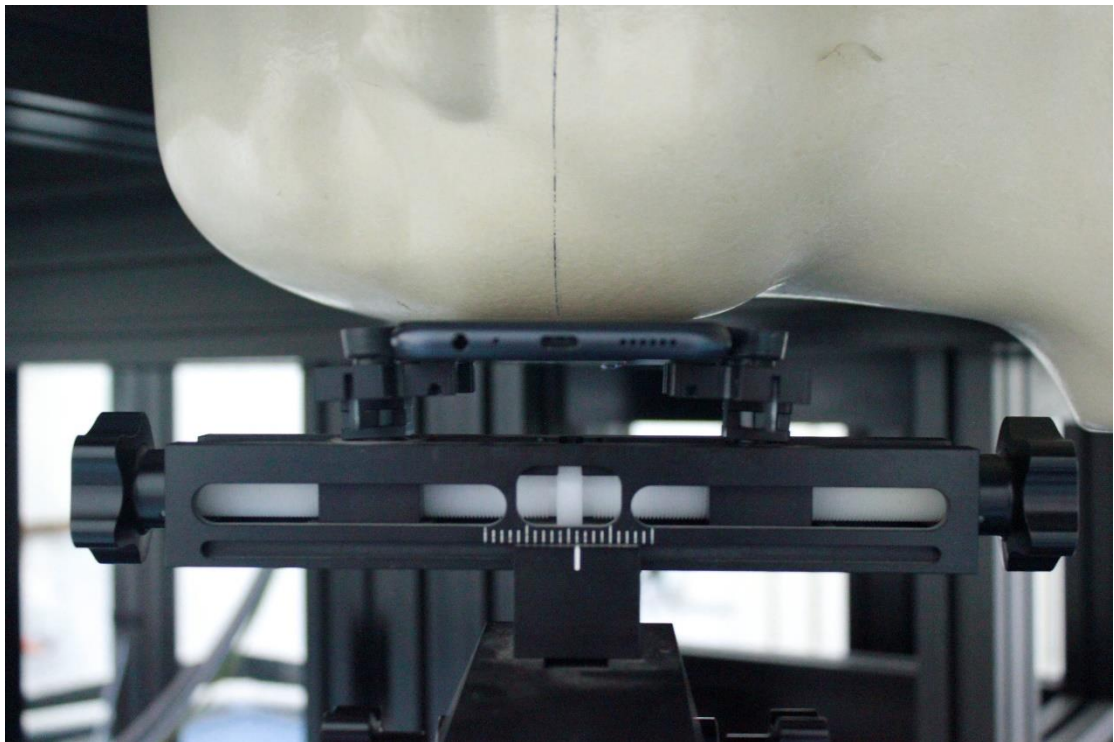
Picture 1: Constituents of the sample



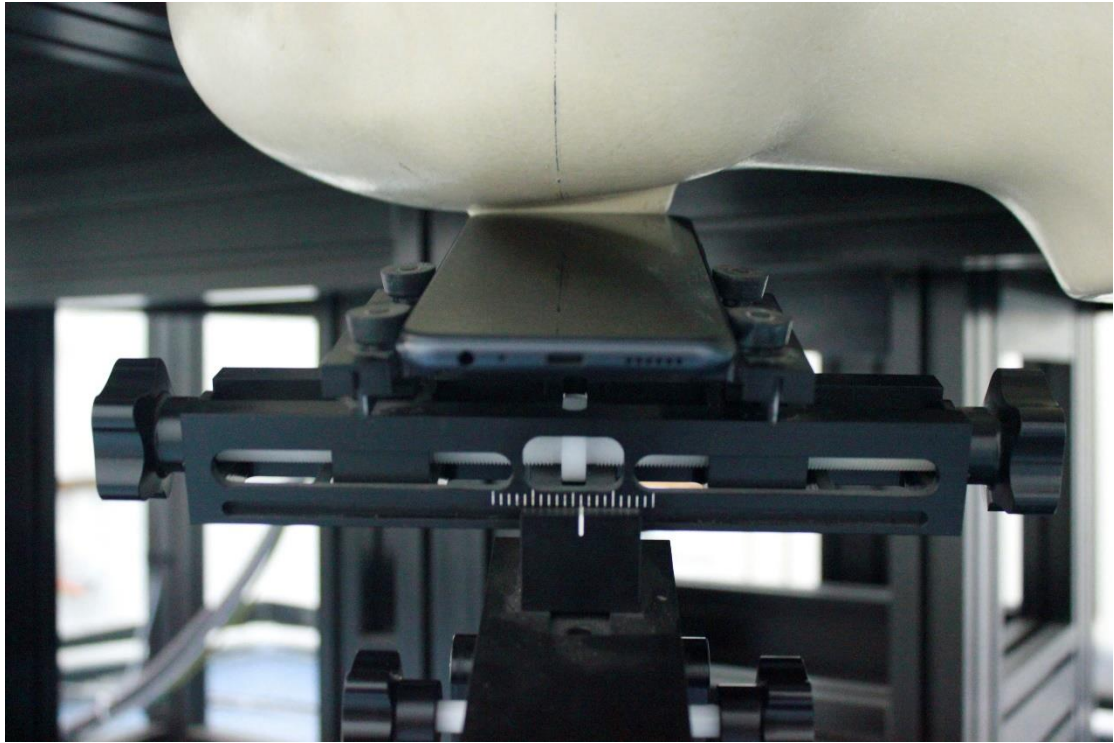
Picture 2: Left Head Touch Cheek Position



Picture 3: Left Head Tilt 15° Position



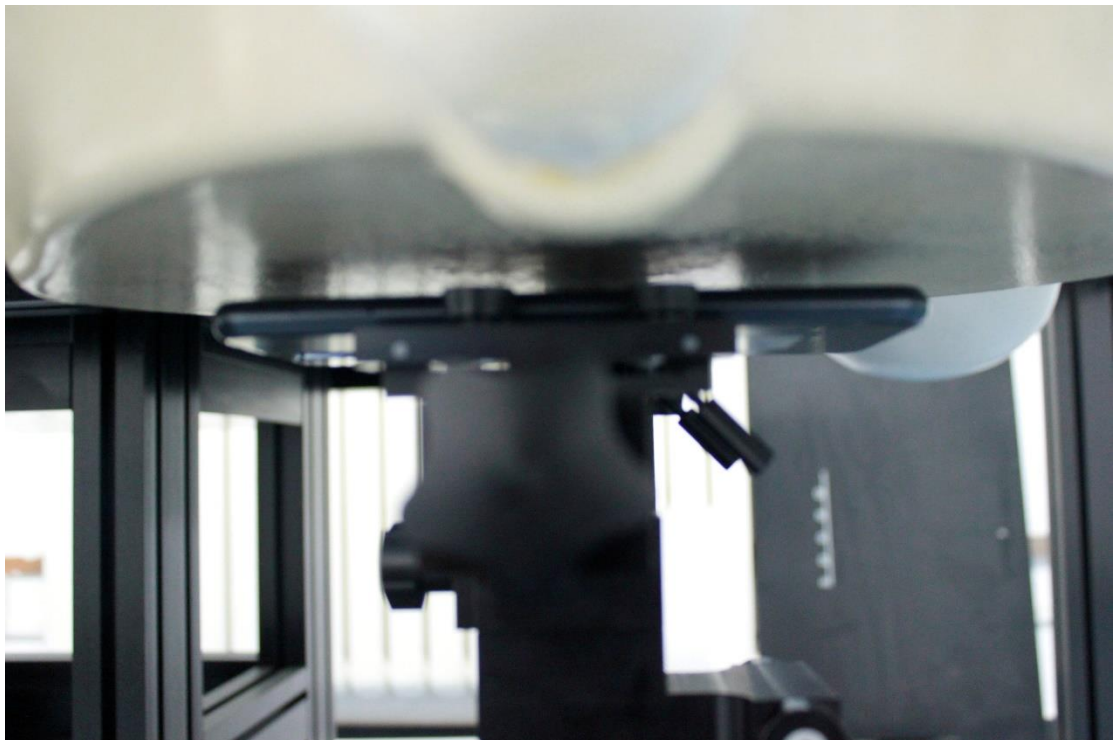
Picture 4: Right Head Touch Cheek Position



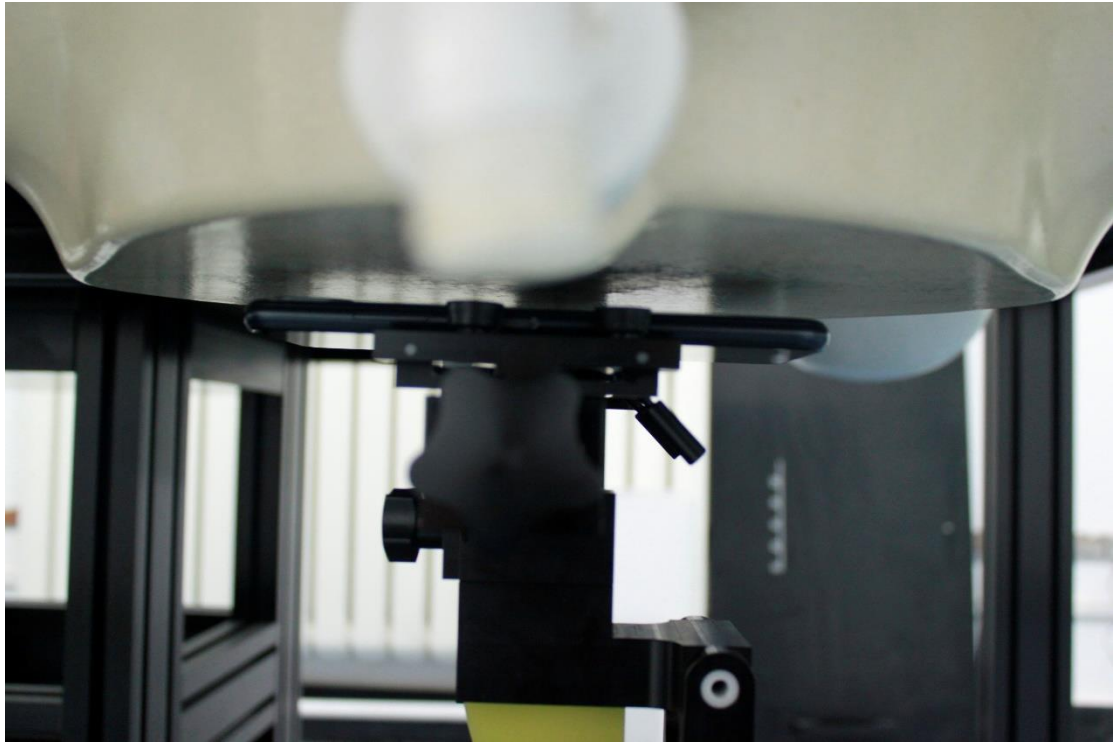
Picture 5: Right Head Tilt 15° Position

Test positions for body:

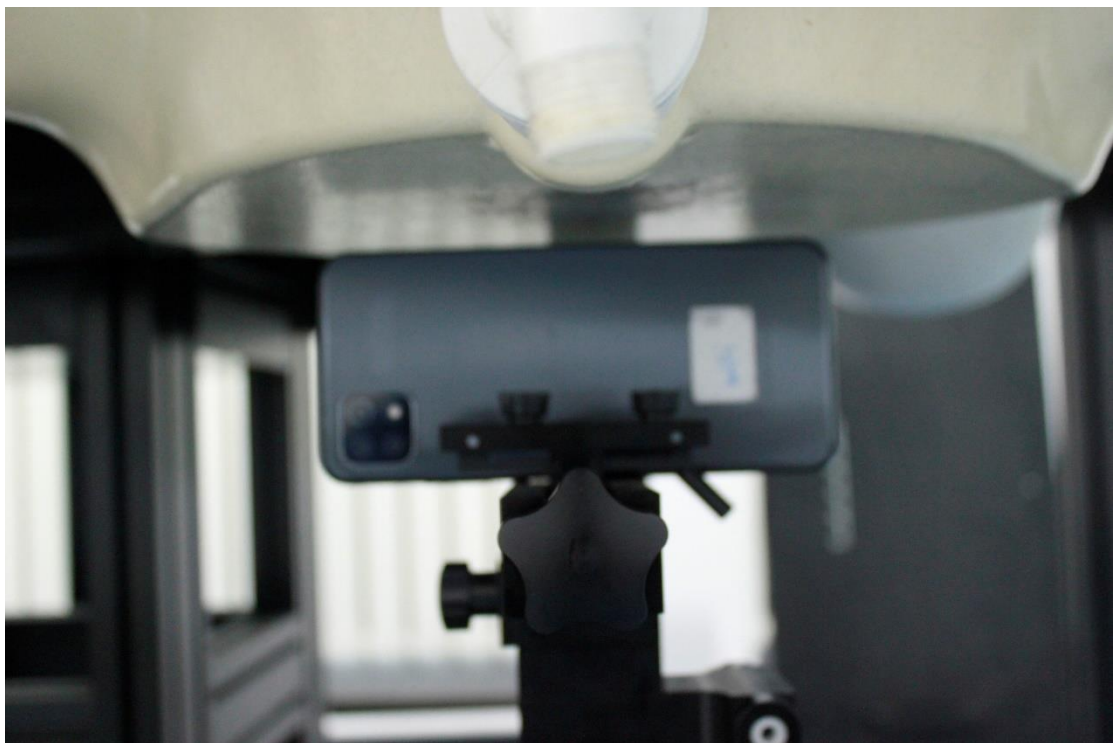
The Body SAR is tested at the following 10 test positions all with the distance =10/15/0mm between the EUT and the phantom bottom:



Picture 6: Front 10mm



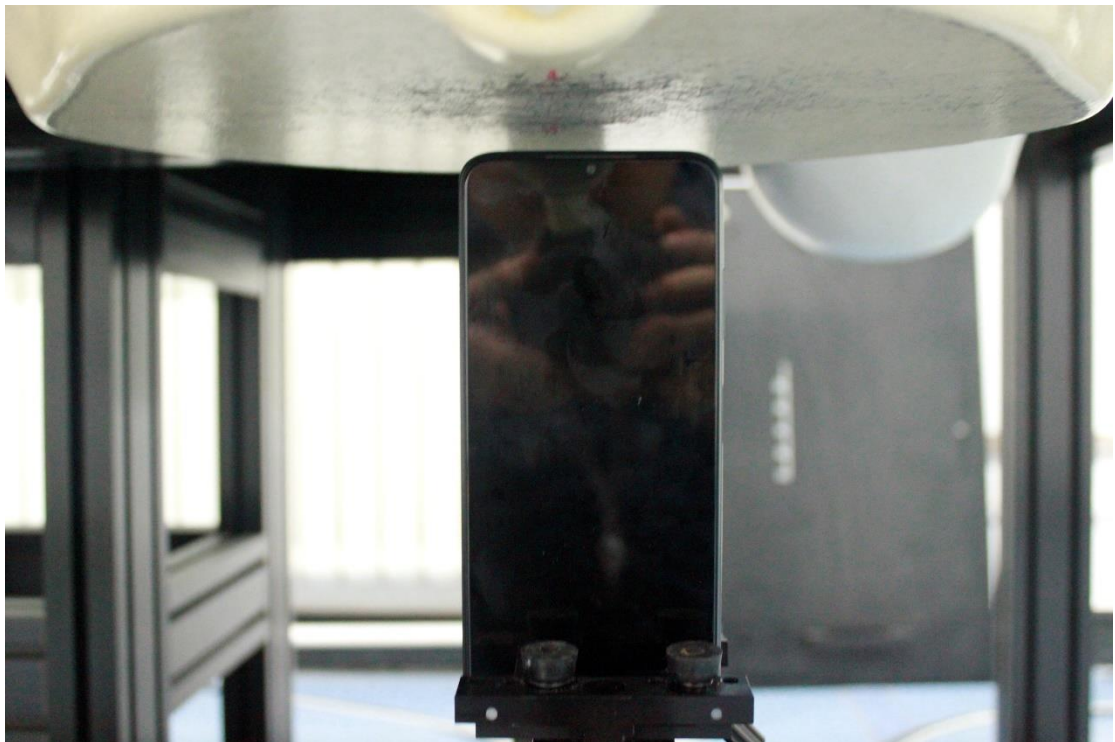
Picture 7: Rear 10mm



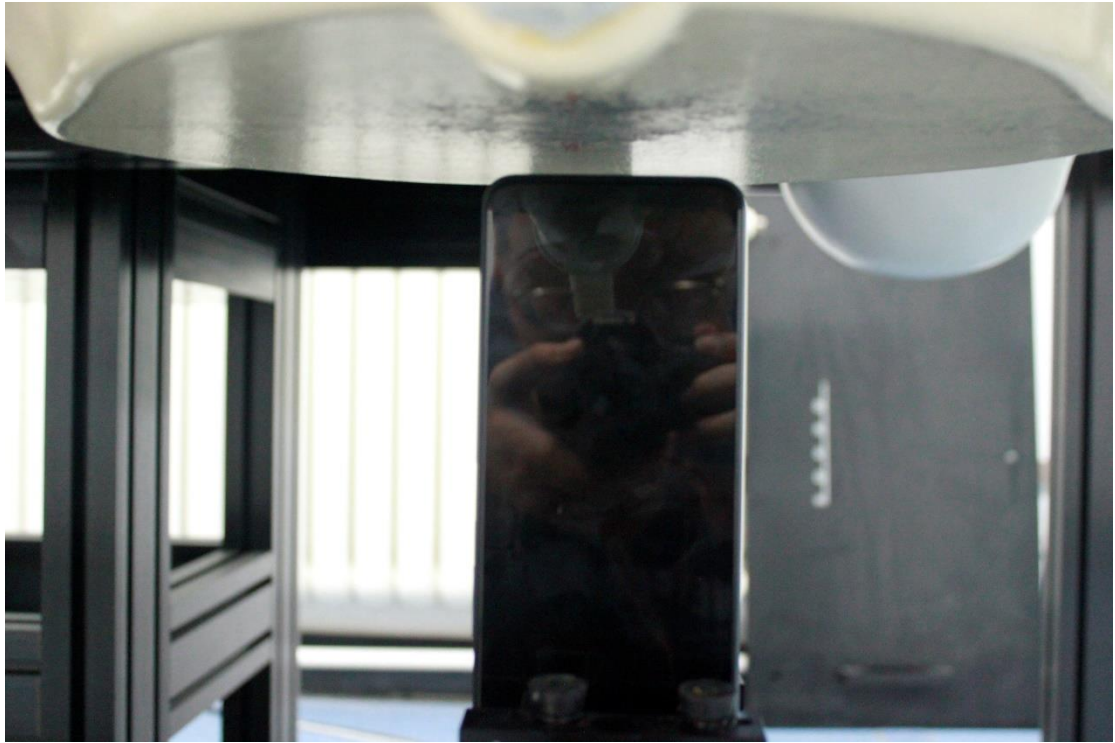
Picture 8: Left 10mm



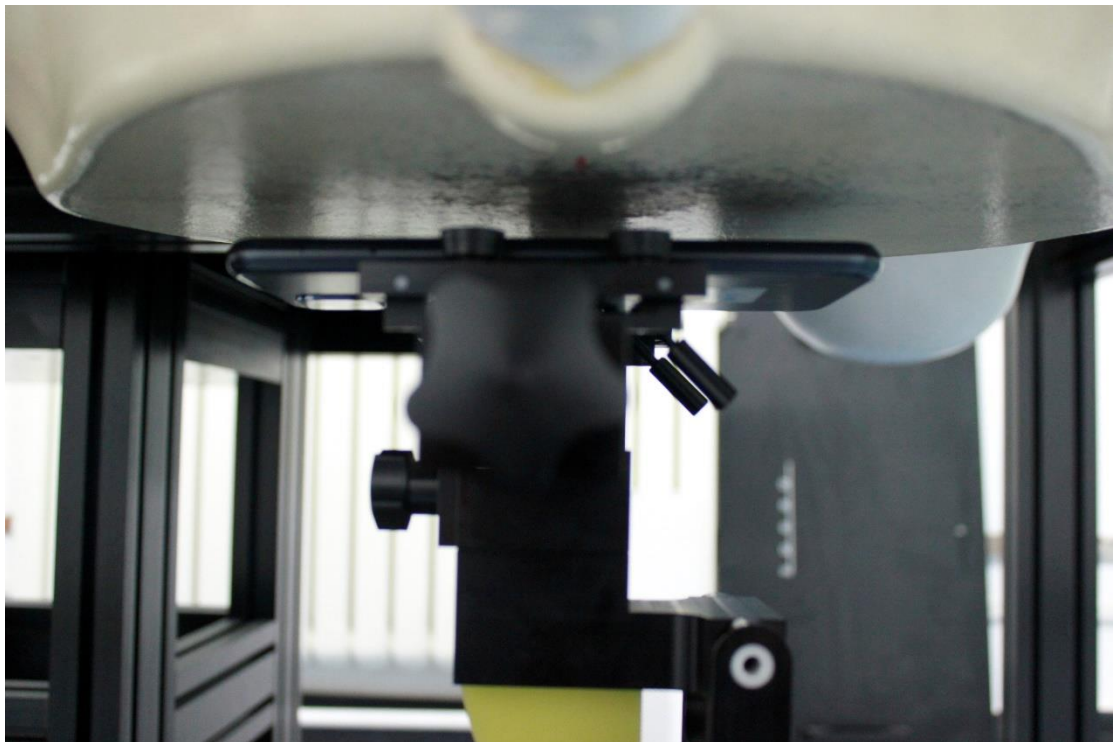
Picture 9: Right 10mm



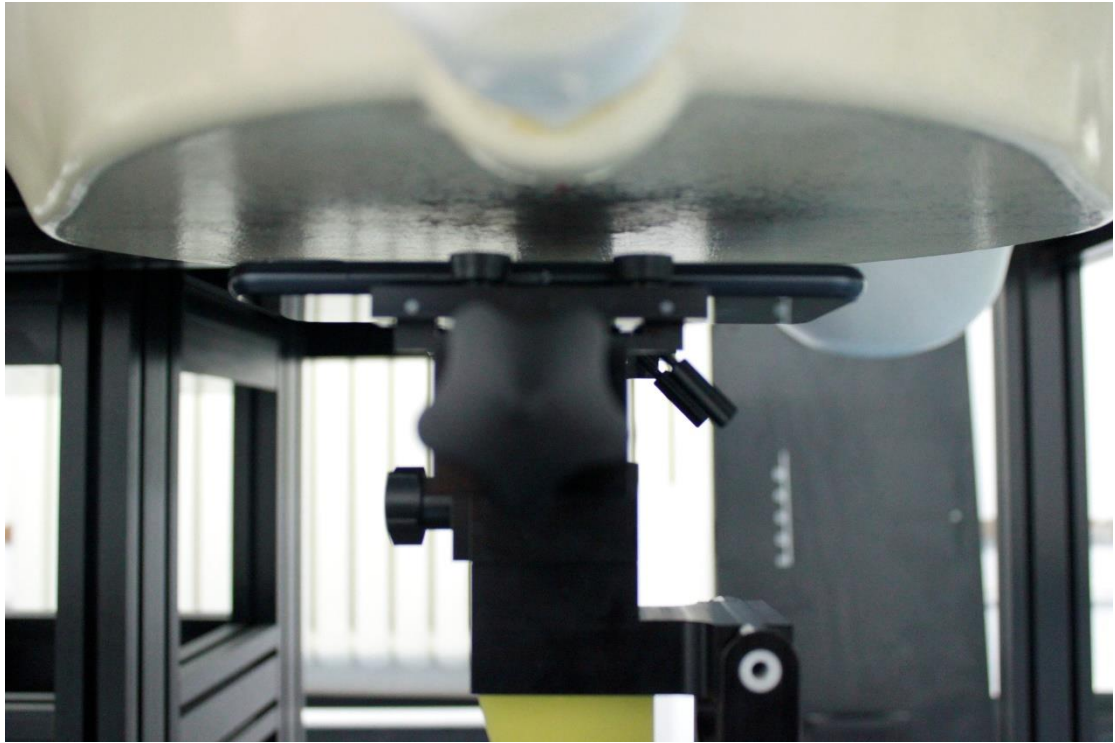
Picture 10: Top 10mm



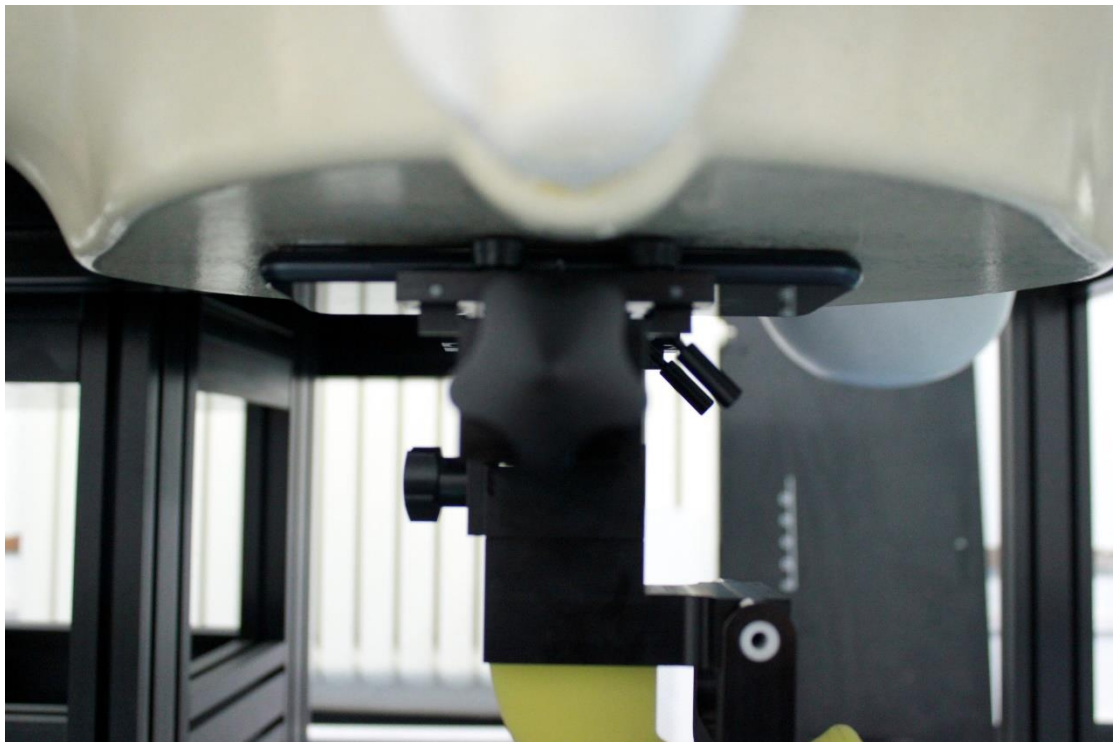
Picture 11: Bottom 10mm



Picture 12: Front 15mm



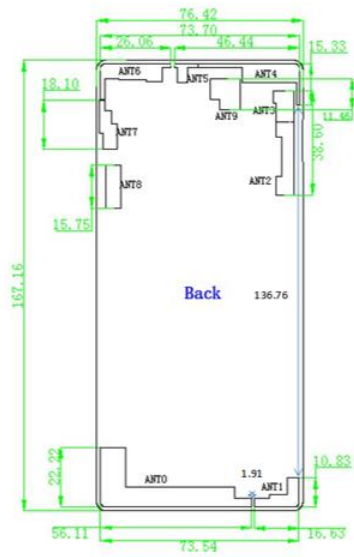
Picture 13: Rear 15mm



Picture 14: Rear 0mm

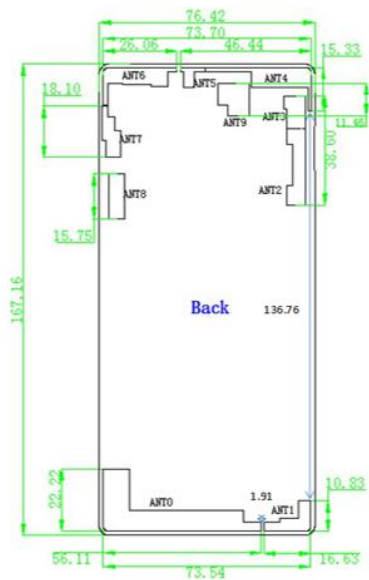


Picture 15: Bottom 0mm



2G/3G/4G

ANT	Band
ANT0	TX&RX: GSM 850/900, WCDMA B5/S, LTE B5/7/8/20/28/38/40/41
ANT1	TX&RX: GSM1800/1900, WCDMA B1/2, LTE B1/2/3
ANT2	RX: LTE B1/3/7/38/41
ANT4	RX: GSM850/900/1800/1900, WCDMA B1/2/5/S, LTE B1/2/3/5/7/8/20/28/38/40/41
ANT6	GPS/WIFI 2.4G/WIFI 5G/BT
ANT7	RX: LTE B1/3/7/38/41



5G NSA

ENDC组合 (rx数量)	涉及到的天线 (ANT)			
	TRX(TX+PRX)	DRX	PRX-MIMO	DRX-MIMO
7A-NSA (4rx-2rx)	ANT4_ANT0	ANT2_ANT4	ANT0	ANT7

5G NSA:

ENDC (rx number)	ANT			
	TRX(TX+PRX)	DRX	PRX-MIMO	DRX-MIMO
1A-N28A (4rx-2rx)	ANT4_ANT0	ANT2_ANT4	ANT1	ANT7
3A-N8A (4rx-2rx)	ANT4_ANT0	ANT2_ANT4	ANT1	ANT7
3A-N28A (4rx-2rx)	ANT4_ANT0	ANT2_ANT4	ANT1	ANT7
7A-N28A (4rx-2rx)	ANT4_ANT0	ANT2_ANT4	ANT0	ANT7
1A-N40A (2rx-4rx)	ANT1_ANT4	ANT2_ANT2	ANT0	ANT7
1A-N78A (4rx-4rx)	ANT1_ANT5	ANT4_ANT2	ANT2_ANT9	ANT7_ANT7
3A-N7A (2rx-4rx)	ANT1-ANT4	ANT2_ANT2	ANT0	ANT7
3A-N40A (2rx-4rx)	ANT1_ANT4	ANT2_ANT2	ANT0	ANT7
3A-N41A (2rx-4rx)	ANT1_ANT4	ANT2_ANT2	ANT0	ANT7
3A-N78A (4rx-4rx)	ANT1_ANT5	ANT4_ANT2	ANT2_ANT9	ANT7_ANT7
7A-N78A (4rx-4rx)	ANT0_ANT5	ANT4_ANT2	ANT0_ANT9	ANT7_ANT7
8A-N40A (2rx-4rx)	ANT0_ANT4	ANT4_ANT2	ANT0	ANT7
8A-N41A (2rx-4rx)	ANT0_ANT4	ANT4_ANT2	ANT0	ANT7
8A-N78A (2rx-4rx)	ANT0_ANT5	ANT4_ANT2	ANT9	ANT7
20A-N1A (2rx-4rx)	ANT0_ANT4	ANT4_ANT2	ANT1	ANT7
20A-N3A (2rx-4rx)	ANT0_ANT4	ANT4_ANT2	ANT1	ANT7
20A-N78A (2rx-4rx)	ANT0_ANT5	ANT4_ANT2	ANT9	ANT7
28A-N78A (2rx-4rx)	ANT0_ANT5	ANT4_ANT2	ANT9	ANT7
38A-N78A (4rx-4rx)	ANT0_ANT5	ANT4_ANT2	ANT0_ANT9	ANT7_ANT7

ENDC (rx number)	Antenna			
	TRX(TX+PRX)	DRX	PRX-MIMO	DRX-MIMO
1A-N3A (2rx-4rx)	ANT1_ANT4	ANT2_ANT2	ANT1	ANT7
3A-N3A (2rx-2rx)	ANT1_ANT4	ANT7_ANT2		
3A-N1A (2rx-4rx)	ANT1_ANT4	ANT2_ANT2	ANT1	ANT7
7A-N1A (2rx-4rx)	ANT0_ANT4	ANT2_ANT2	ANT1	ANT7
7A-N3A (2rx-4rx)	ANT0_ANT4	ANT2_ANT2	ANT1	ANT7
8A-N1A (2rx-4rx)	ANT0_ANT4	ANT4_ANT2	ANT1	ANT7
8A-N3A (2rx-4rx)	ANT0-ANT4	ANT4_ANT2	ANT1	ANT7
40A-N1A (2rx-4rx)	ANT0_ANT4	ANT2_ANT2	ANT1	ANT7
7A-N5A (4rx-2rx)	ANT4_ANT0	ANT2_ANT4	ANT0	ANT7
1A-N7A (2rx-4rx)	ANT1_ANT4	ANT2_ANT2	ANT0	ANT7
8A-N7A (2rx-4rx)	ANT0_ANT4	ANT4_ANT2	ANT0	ANT7
20A-N7A (2rx-4rx)	ANT0_ANT4	ANT4_ANT2	ANT0	ANT7
28A-N7A (2rx-4rx)	ANT0_ANT4	ANT4_ANT2	ANT0	ANT7

Picture 16 Antenna Locations