



**No. I21Z70218-SEM01**

**For**

**SAMSUNG Electronics Co., Ltd.**

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

**Model Name: SM-A226BR/DSN,SM-A226BR/N**

**with**

**Hardware Version: REV1.0**

**Software Version: A226BR.001**

**FCC ID: ZCASMA226BRN**

**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

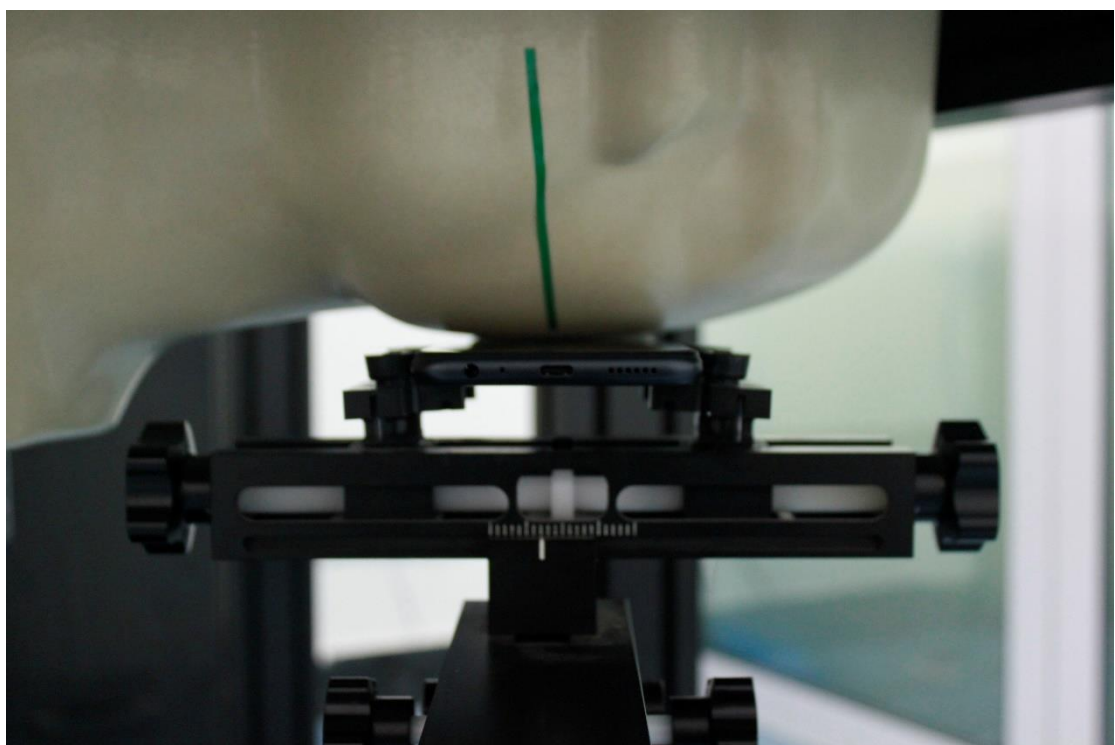
No. 51, Xueyuan Road, Haidian District, Beijing, P. R. China 100191.

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

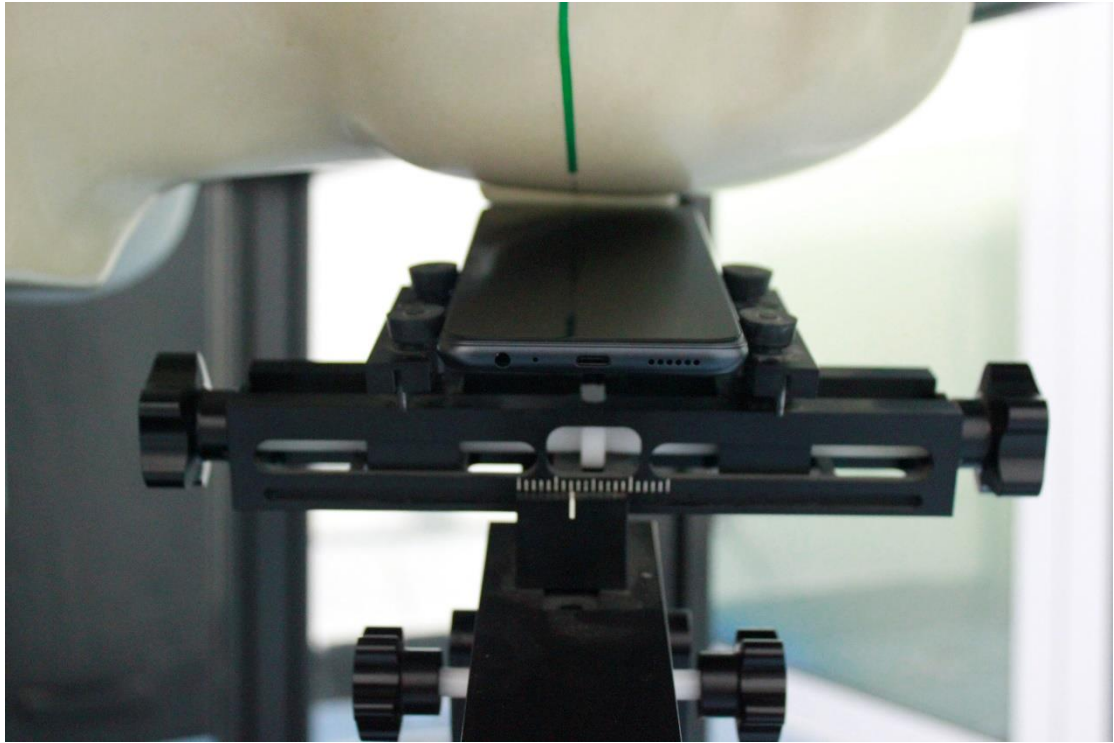
Email: [ctl\\_terminals@caict.ac.cn](mailto:ctl_terminals@caict.ac.cn), website: [www.caict.ac.cn](http://www.caict.ac.cn)



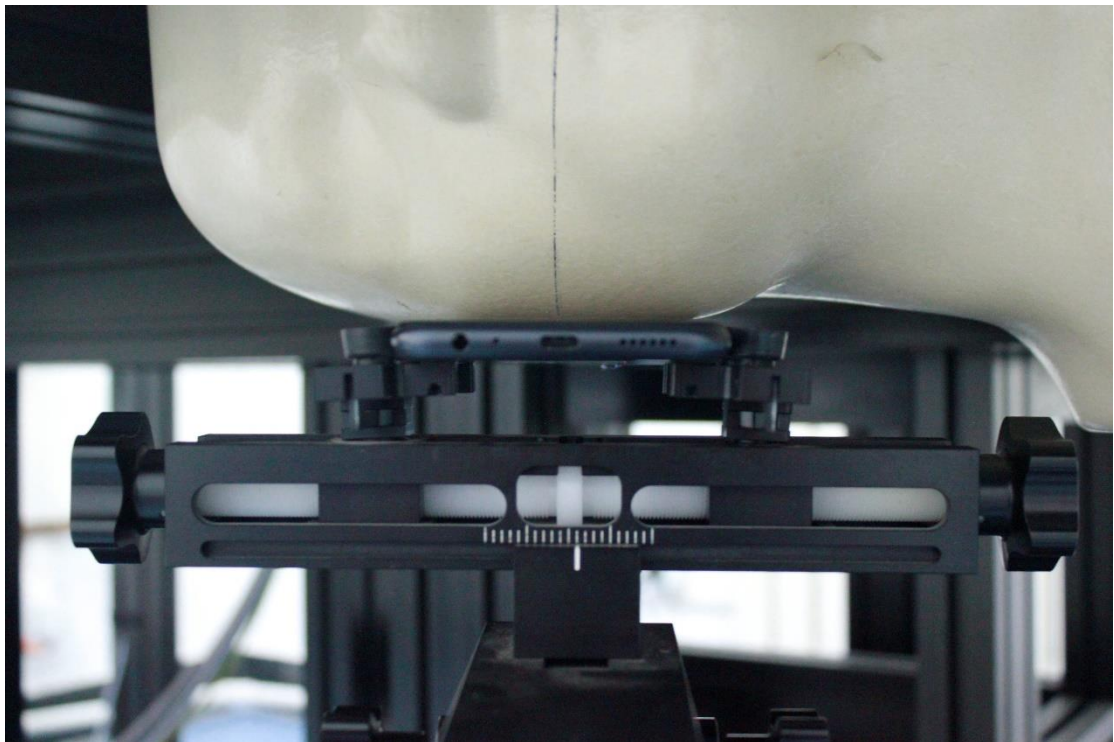
**Picture 1: Constituents of the sample**



**Picture 2: Left Head Touch Cheek Position**

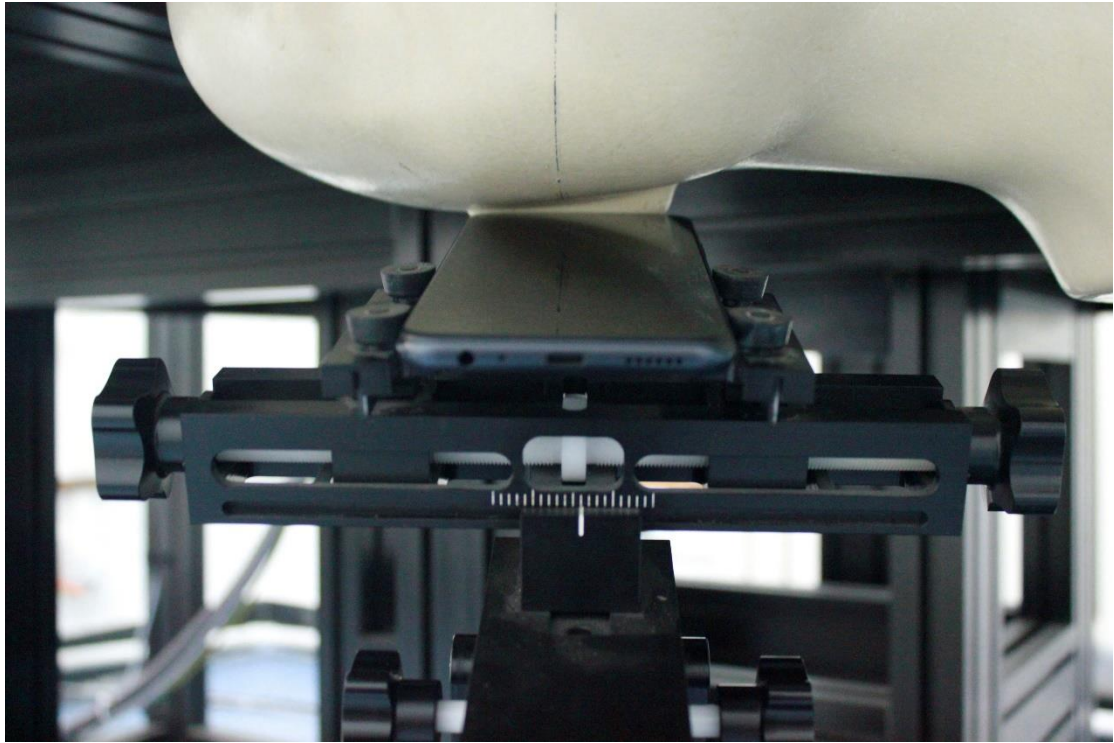


**Picture 3: Left Head Tilt 15° Position**



**Picture 4: Right Head Touch Cheek Position**

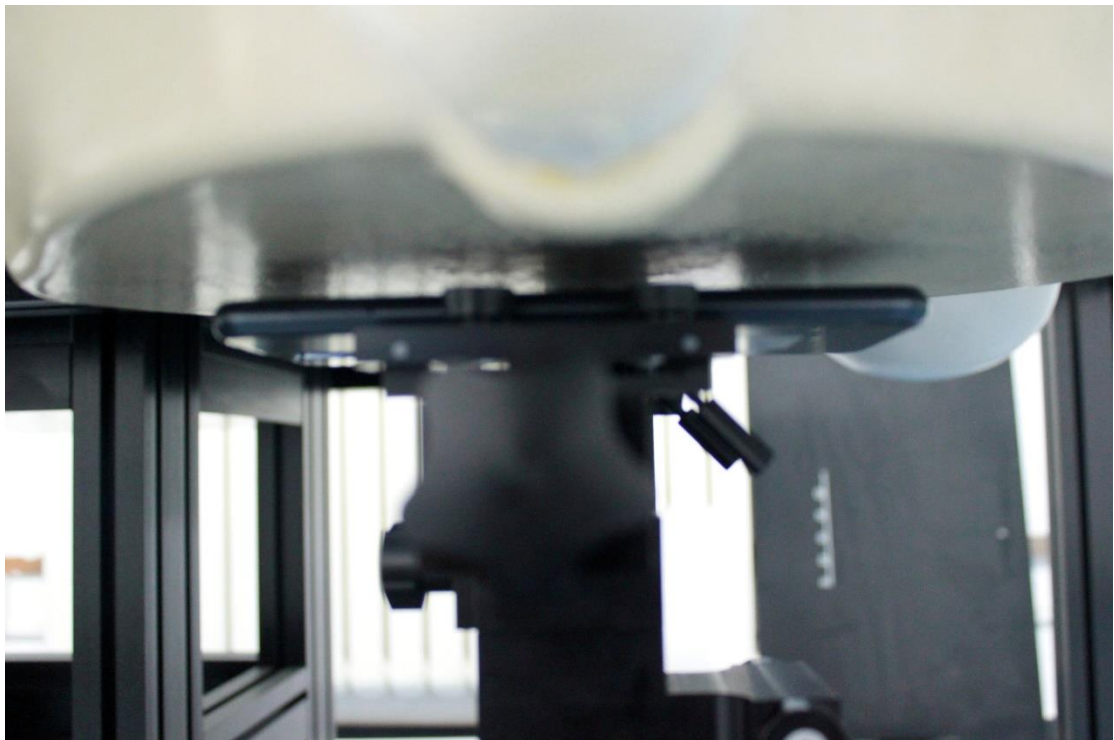




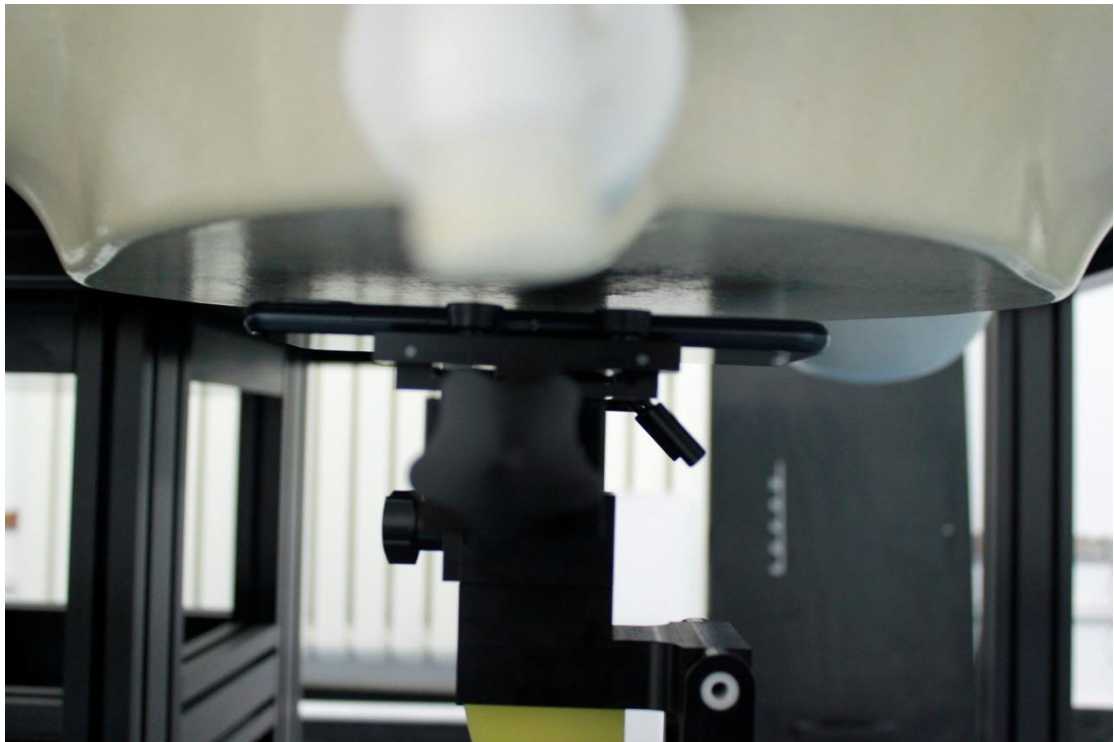
**Picture 5: Right Head Tilt 15° Position**

**Test positions for body:**

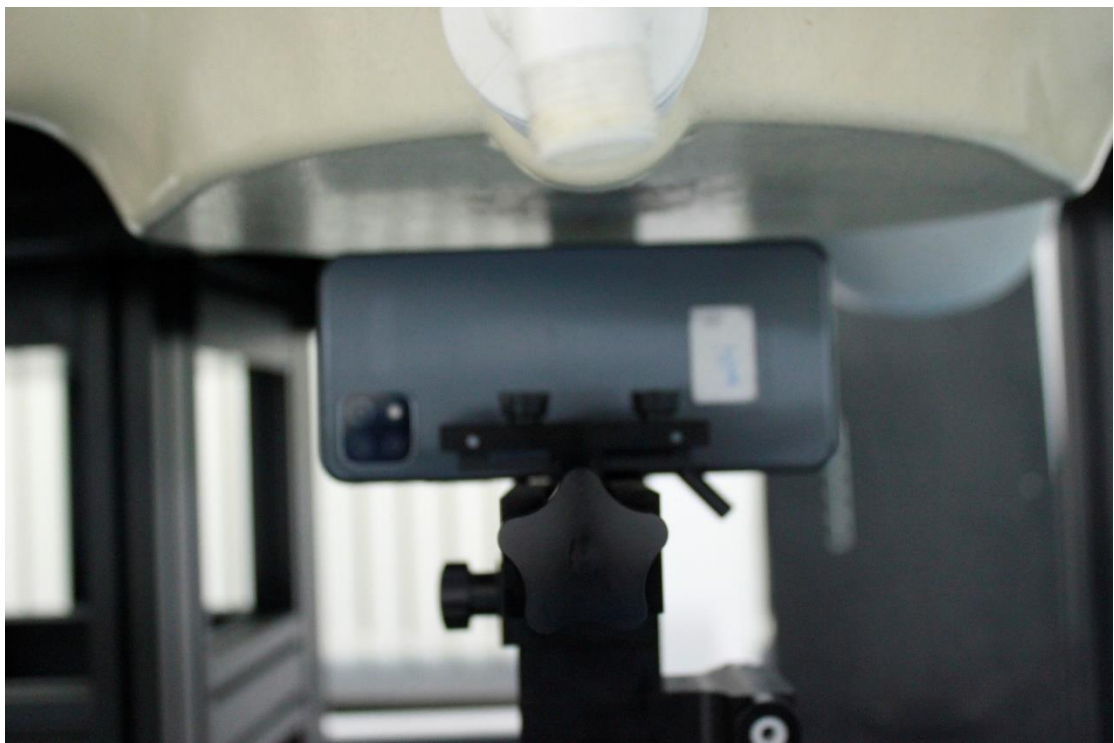
The Body SAR is tested at the following 10 test positions all with the distance =10/15/0mm between the EUT and the phantom bottom:



**Picture 6: Front 10mm**



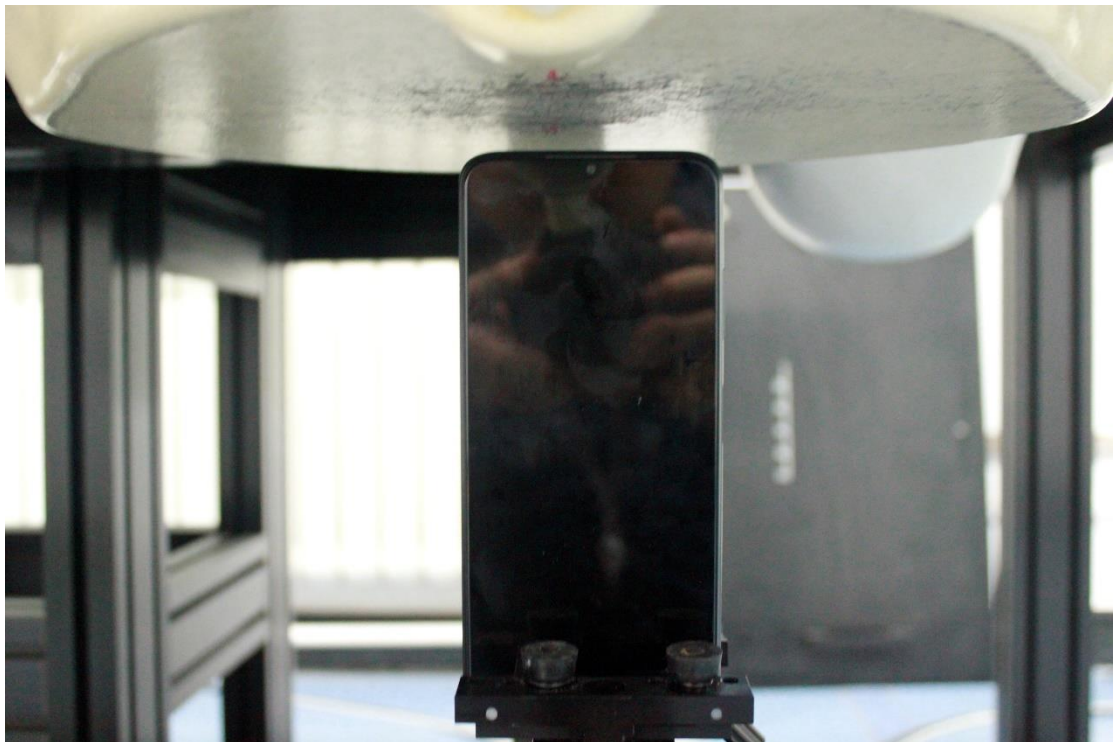
**Picture 7: Rear 10mm**



**Picture 8: Left 10mm**

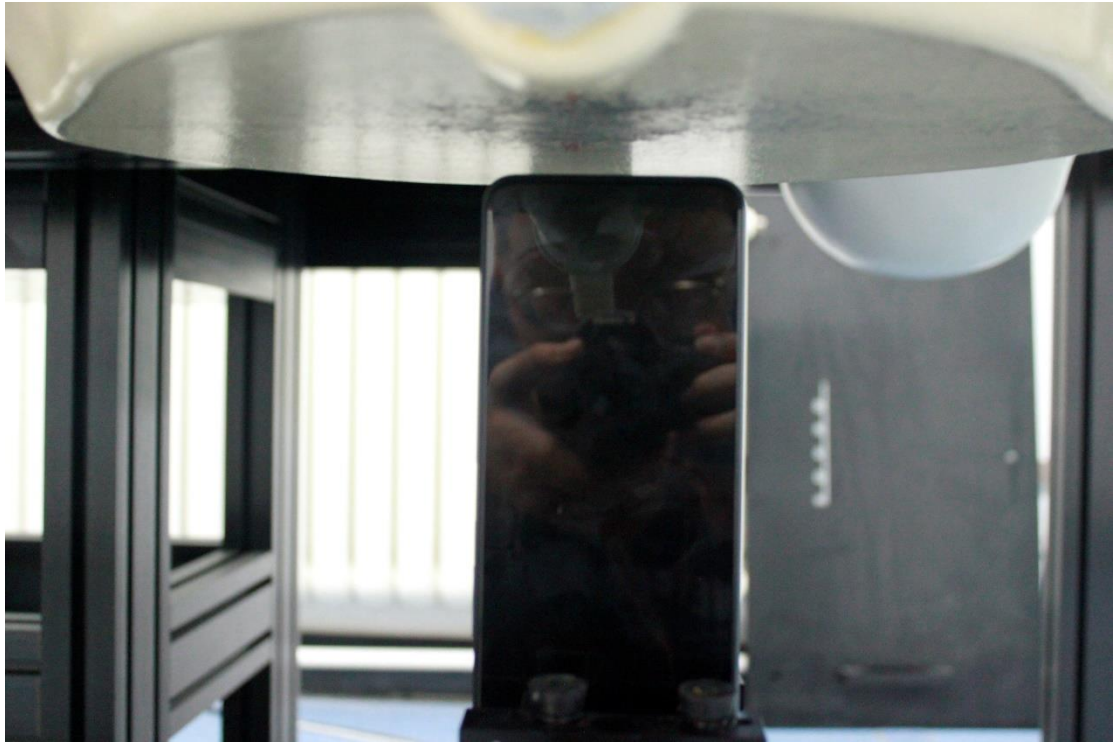


**Picture 9: Right 10mm**

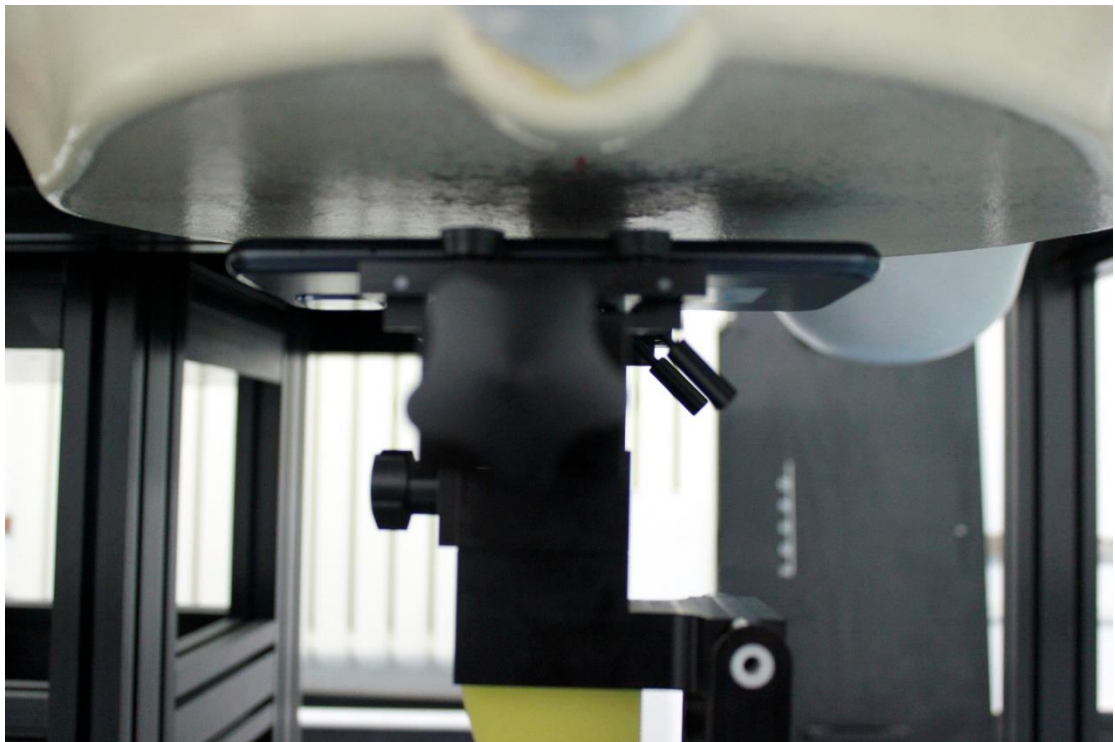


**Picture 10: Top 10mm**

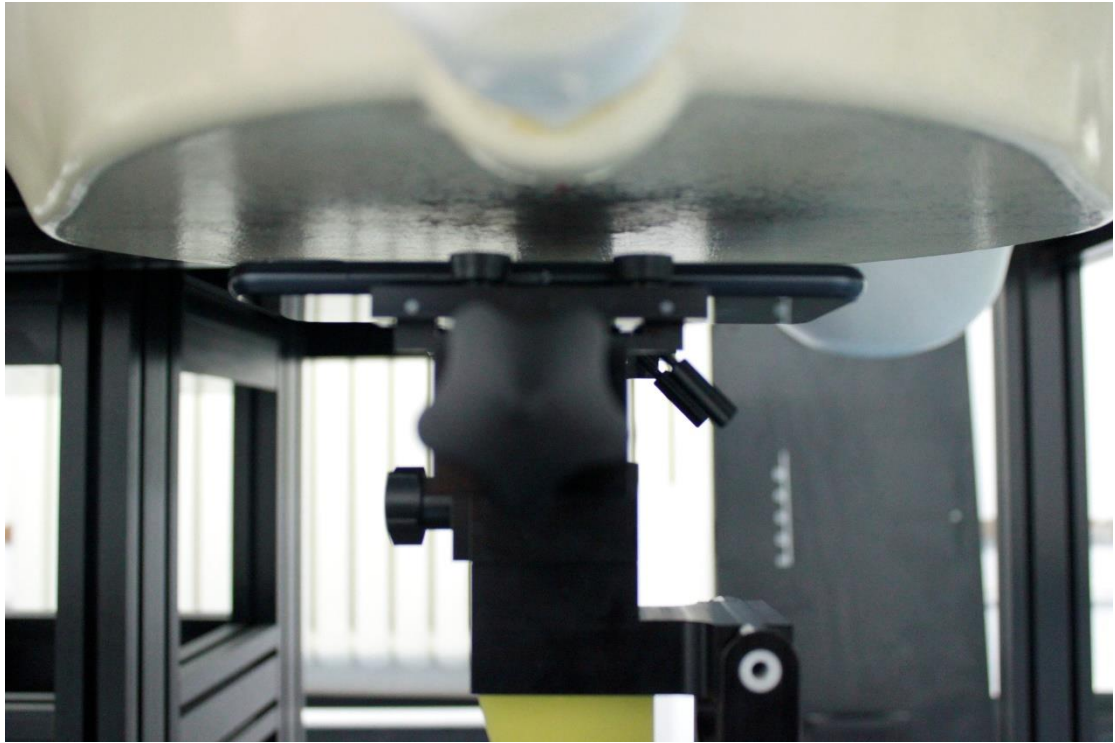




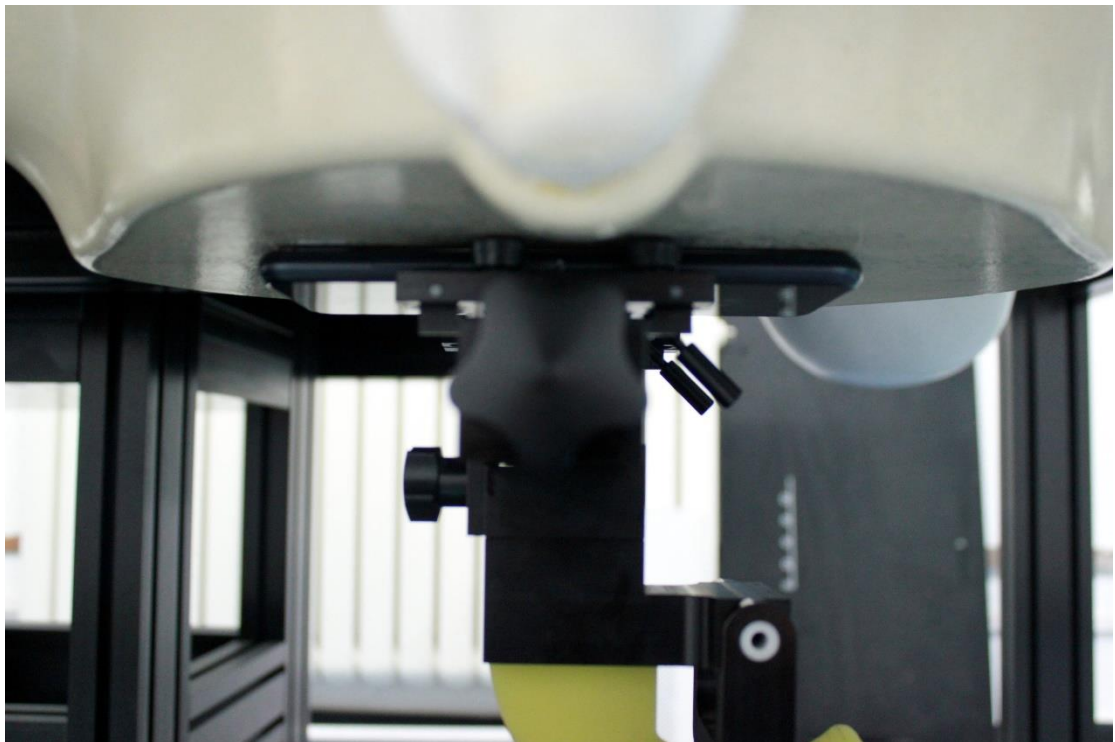
**Picture 11: Bottom 10mm**



**Picture 12: Front 15mm**



**Picture 13: Rear 15mm**

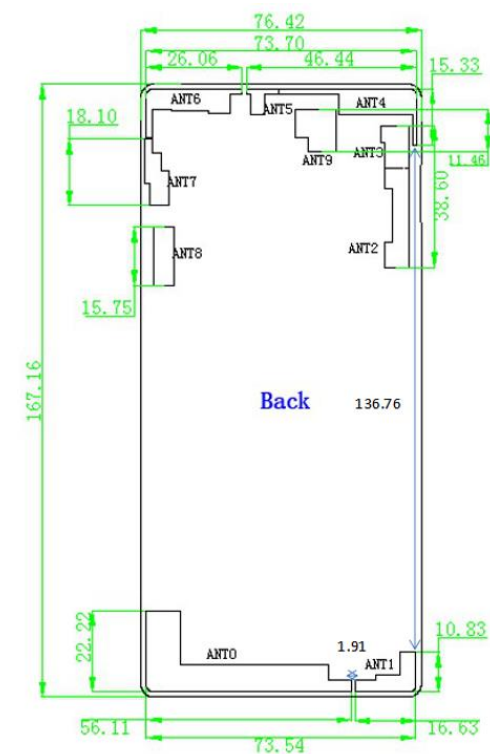


**Picture 14: Rear 0mm**



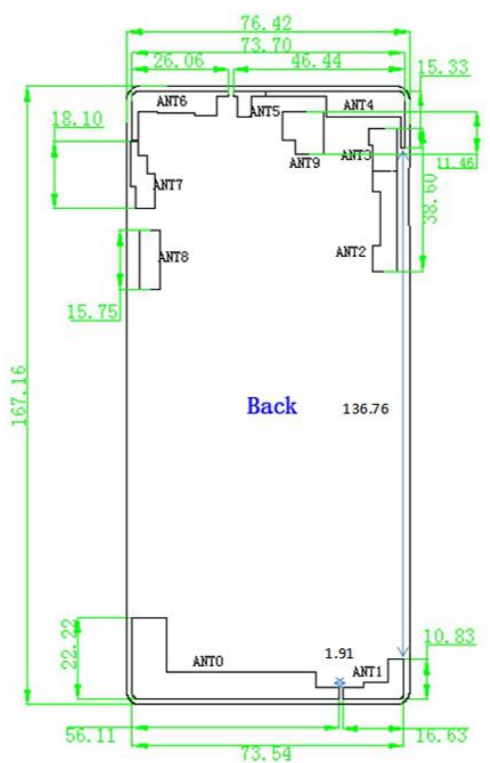


**Picture 15: Bottom 0mm**



## 2G/3G/4G

ANT	Band
ANT0	TX&RX:GSM 850/900, WCDMA B5/8, LTE B5/7/8/12/17/20/26/28/38/40/41
ANT1	TX&RX:GSM1800/1900, WCDMA B1/2/4, LTE B1/2/3/4/66
ANT2	RX:LTE B1/3/7/38/41
ANT4	RX:GSM850/900/1800/1900, WCDMA B1/2/4/5/8, LTE B1/2/3/4/5/7/8/12/17/20/26/28/38/40/41/66
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-N5A (4rx-2rx)	ANT4_ANT0	ANT2_ANT4	ANT0	ANT7
5A-N7A (2rx-4rx)	ANT0_ANT4	ANT4_ANT2	ANT0	ANT7
66A-N5A (2rx-2rx)	ANT4_ANT0	ANT2_ANT4		
66A-N7A (4rx-2rx)	ANT1_ANT4	ANT2	ANT0	ANT7

Picture 16 Antenna Locations