


APPENDIX E: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS

FCC ID: A3LSMF916U	 PCTEST <small>Proud to be part of the Element</small>	SAR EVALUATION REPORT	Approved by: Quality Manager
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Note: Exact antenna dimensions and separation distances are shown in the Technical Descriptions in the FCC Filing.

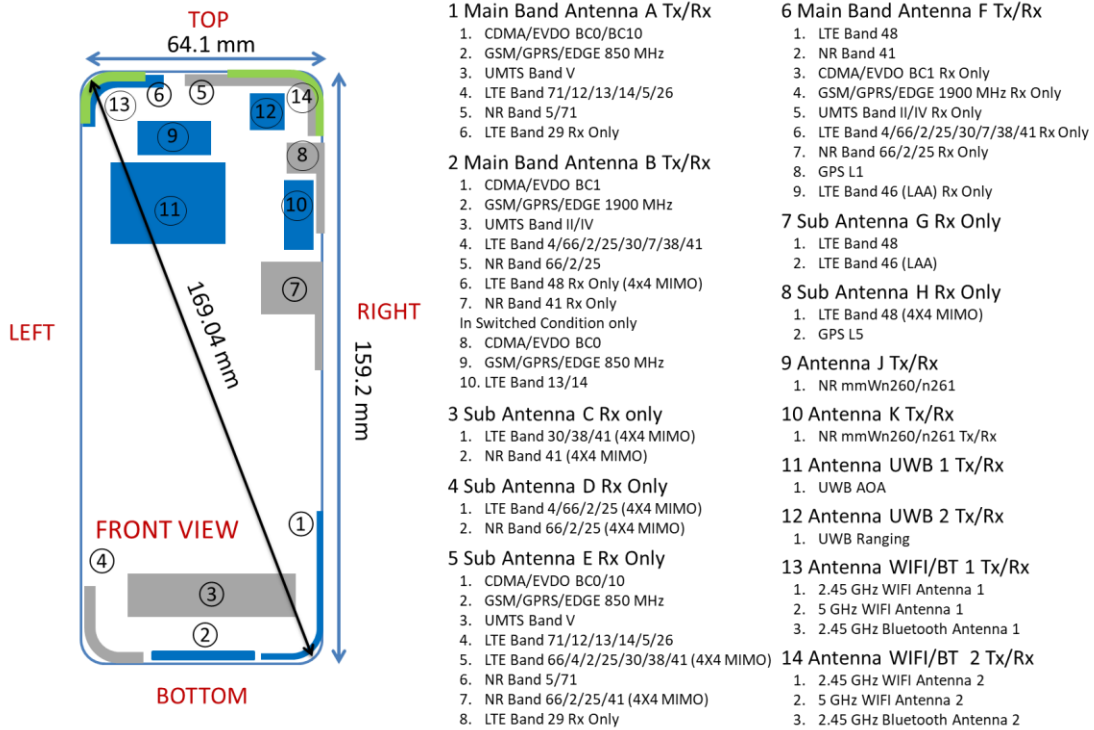


Figure E-1
DUT Antenna Locations Closed Configuration (Handset)

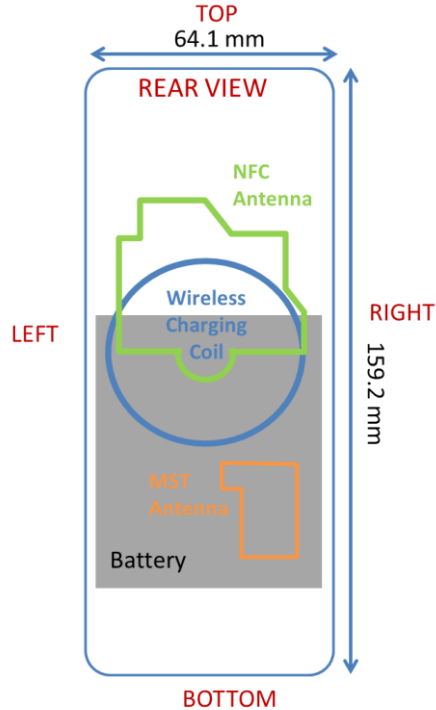
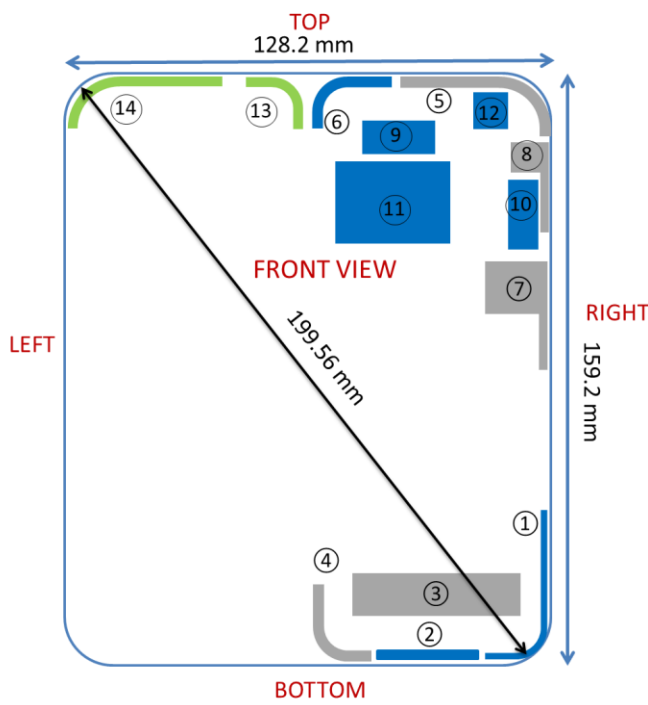


Figure E-2
NFC Antenna Locations Closed Configuration (Handset)

FCC ID: A3LSMF916U	PCTEST Proud to be part of the Siemens	SAR EVALUATION REPORT	Approved by: Quality Manager
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- 1 Main Band Antenna A Tx/Rx**
1. CDMA/EVDO BC0/BC10
 2. GSM/GPRS/EDGE 850 MHz
 3. UMTS Band V
 4. LTE Band 71/12/13/14/5/26
 5. NR Band 5/71
 6. LTE Band 29 Rx Only

- 2 Main Band Antenna B Tx/Rx**
1. CDMA/EVDO BC1
 2. GSM/GPRS/EDGE 1900 MHz
 3. UMTS Band II/IV
 4. LTE Band 4/66/2/25/30/7/38/41
 5. NR Band 66/2/25
 6. LTE Band 48 Rx Only (4x4 MIMO)
 7. NR Band 41 Rx Only
 8. CDMA/EVDO BC0
 9. LTE Band 13/14

- 3 Sub Antenna C Rx only**
1. LTE Band 30/38/41 (4X4 MIMO)
 2. NR Band 41 (4X4 MIMO)

- 4 Sub Antenna D Rx Only**
1. LTE Band 4/66/2/25 (4X4 MIMO)
 2. NR Band 66/2/25 (4X4 MIMO)

- 5 Sub Antenna E Rx Only**
1. CDMA/EVDO BC0/10
 2. GSM/GPRS/EDGE 850 MHz
 3. UMTS Band V
 4. LTE Band 71/12/13/14/5/26
 5. LTE Band 66/4/2/25/30/38/41 (4X4 MIMO)
 6. NR Band 5/71
 7. NR Band 66/2/25/41 (4X4 MIMO)
 8. LTE Band 29 Rx Only

- 6 Main Band Antenna F Tx/Rx**

1. LTE Band 48
2. NR Band 41
3. CDMA/EVDO BC1 Rx Only
4. GSM/GPRS/EDGE 1900 MHz Rx Only
5. UMTS Band II/IV Rx Only
6. LTE Band 4/66/2/25/30/7/38/41 Rx Only
7. NR Band 66/2/25 Rx Only
8. GPS L1
9. LTE Band 46 (LAA) Rx Only

- 7 Sub Antenna G Rx Only**

1. LTE Band 48
2. LTE Band 46 (LAA)

- 8 Sub Antenna H Rx Only**

1. LTE Band 48 (4X4 MIMO)
2. GPS L5

- 9 Antenna J Tx/Rx**

1. NR mmWn260/n261

- 10 Antenna K Tx/Rx**

1. NR mmWn260/n261 Tx/Rx

- 11 Antenna UWB 1 Tx/Rx**

1. UWB AOA

- 12 Antenna UWB 2 Tx/Rx**

1. UWB Ranging

- 13 Antenna WIFI/BT 1 Tx/Rx**

1. 2.45 GHz WIFI Antenna 1
2. 5 GHz WIFI Antenna 1
3. 2.45 GHz Bluetooth Antenna 1

- 14 Antenna WIFI/BT 2 Tx/Rx**

1. 2.45 GHz WIFI Antenna 2
2. 5 GHz WIFI Antenna 2
3. 2.45 GHz Bluetooth Antenna 2

Figure E-3
DUT Antenna Locations Open Configuration (UMPC)

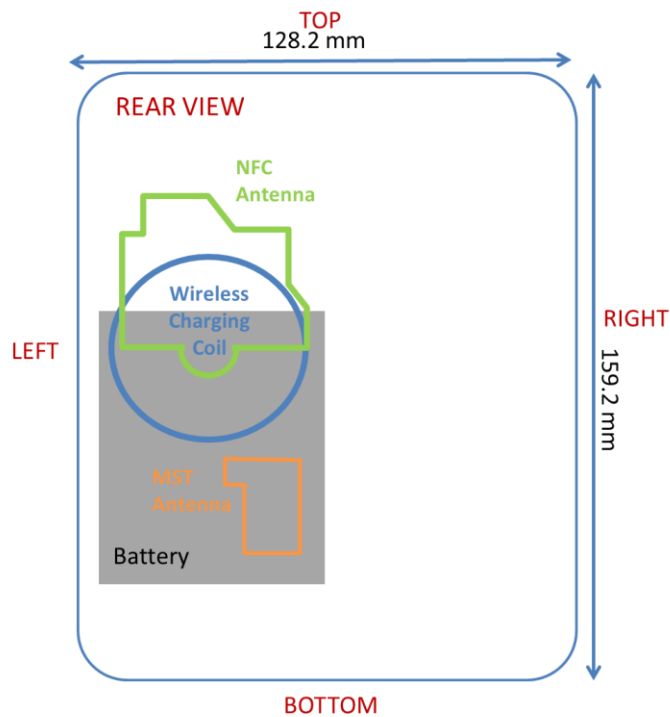
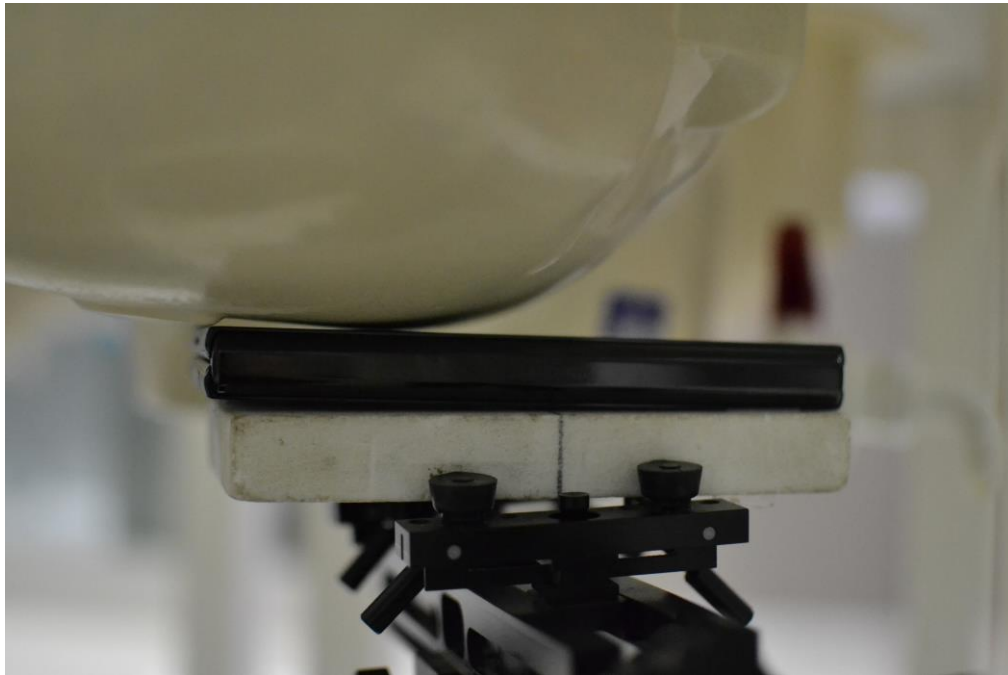
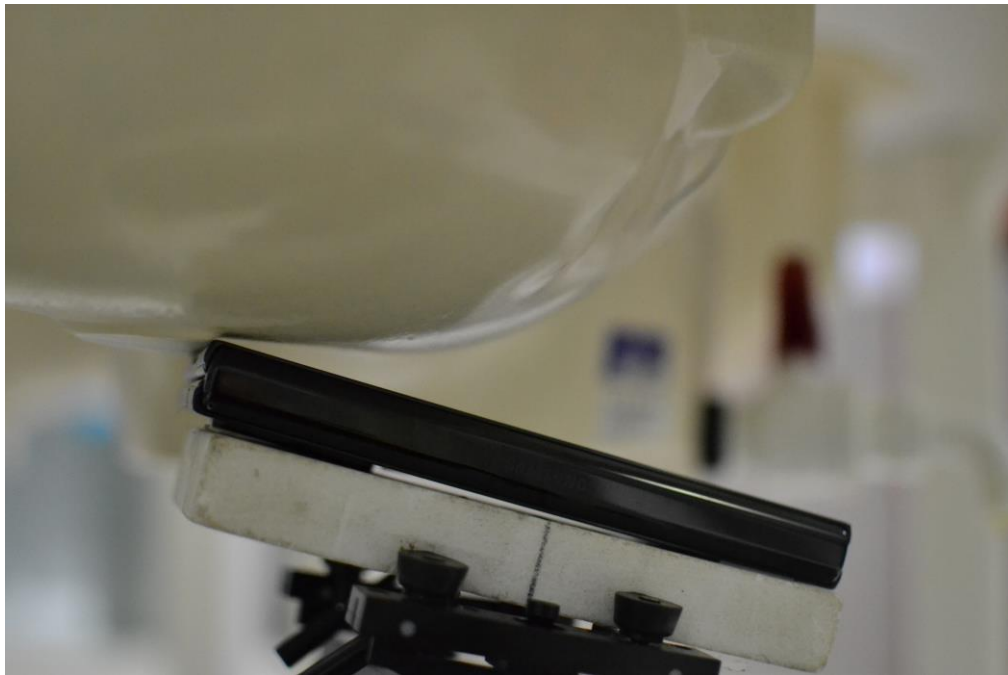


Figure E-4
NFC Antenna Locations Open Configuration (UMPC)


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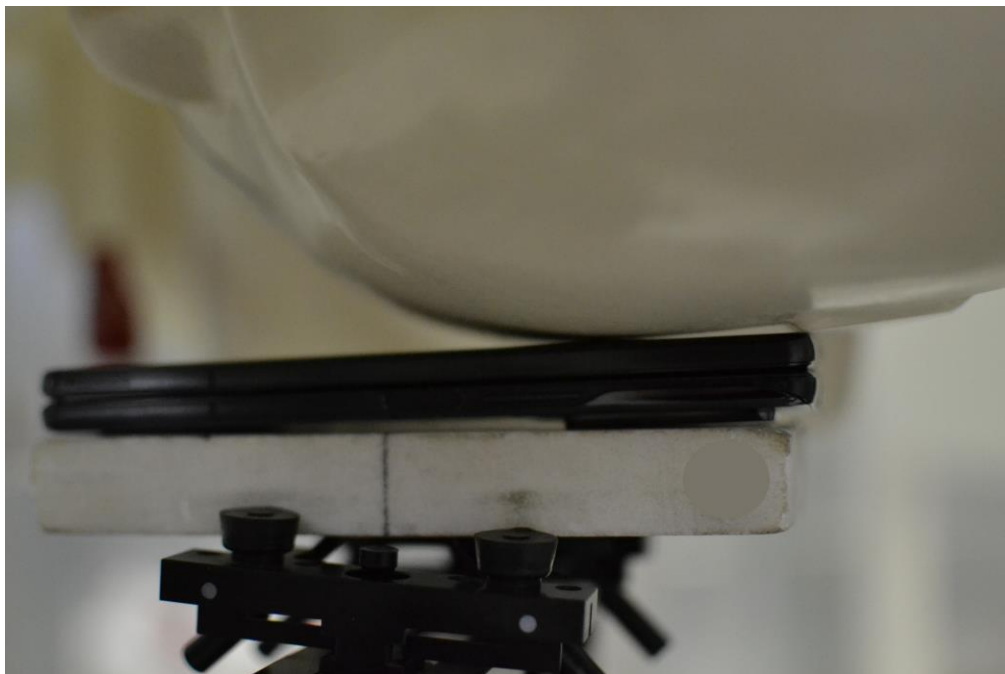


SAR Test Setup Photo 1– Closed Configuration (Handset) Right Cheek

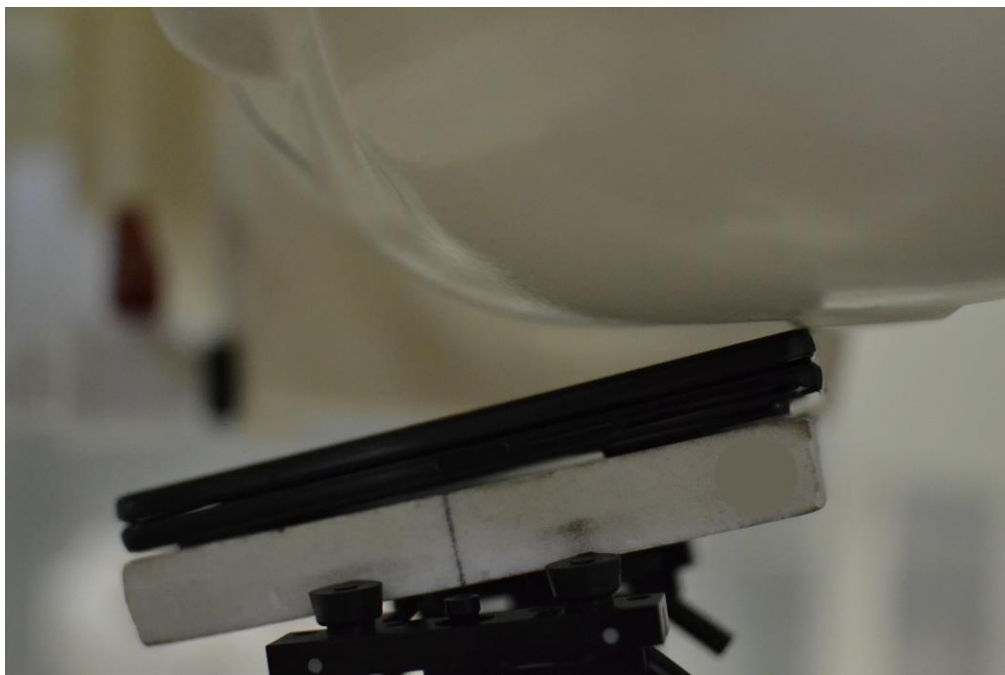


SAR Test Setup Photo 2– Closed Configuration (Handset) Right Tilt



FCC ID: A3LSMF916J	 SAR EVALUATION REPORT	Approved by: Quality Manager
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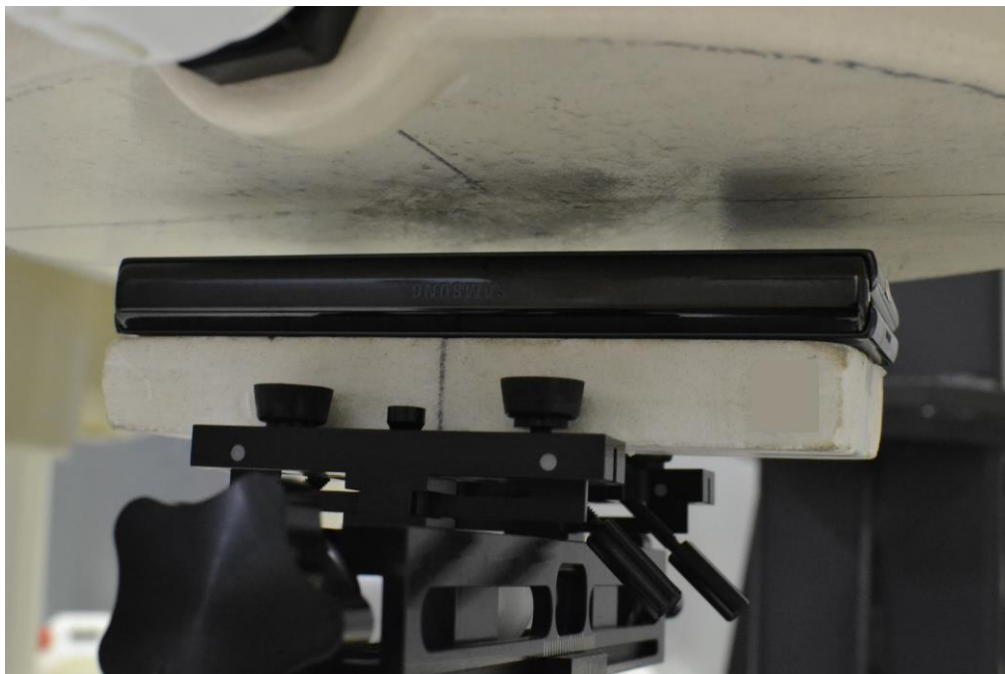


SAR Test Setup Photo 3– Closed Configuration (Handset) Left Cheek



SAR Test Setup Photo 4– Closed Configuration (Handset) Left Tilt


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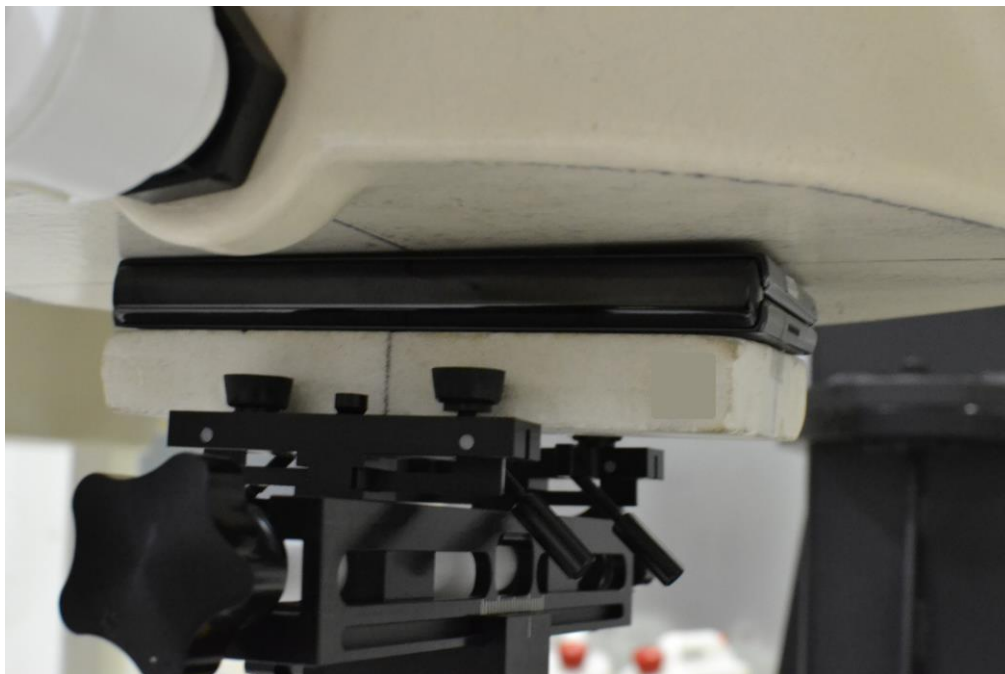


SAR Test Setup Photo 5– Closed Configuration (Handset) Back Side at 15 mm

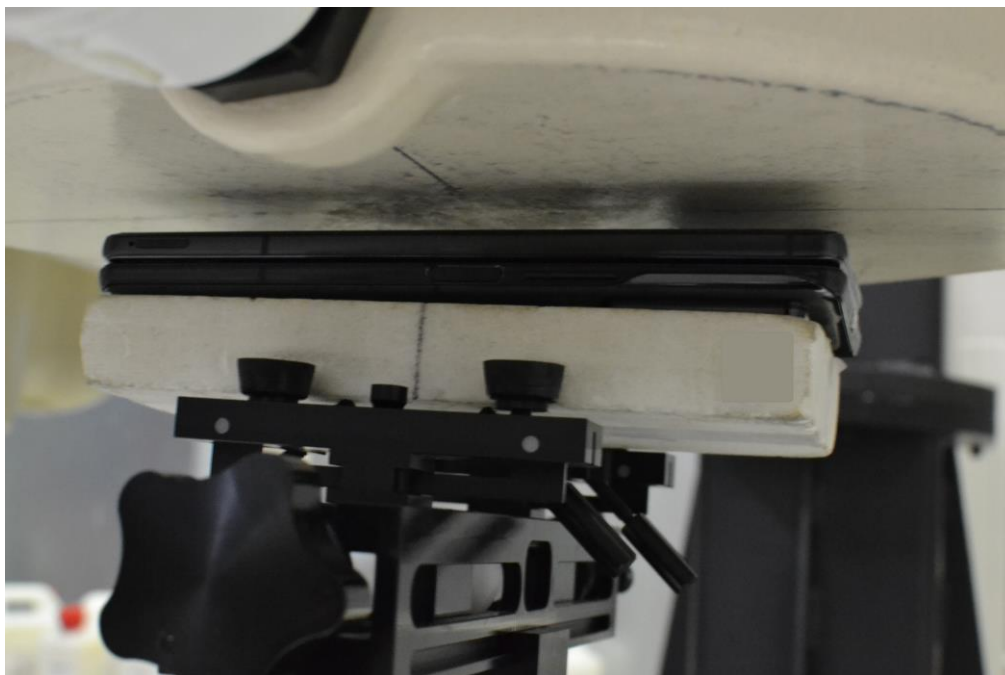


SAR Test Setup Photo 6– Closed Configuration (Handset) Back Side at 10 mm


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SAR Test Setup Photo 7– Closed Configuration (Handset) Back Side at 0 mm



SAR Test Setup Photo 8– Closed Configuration (Handset) Front Side at 10 mm


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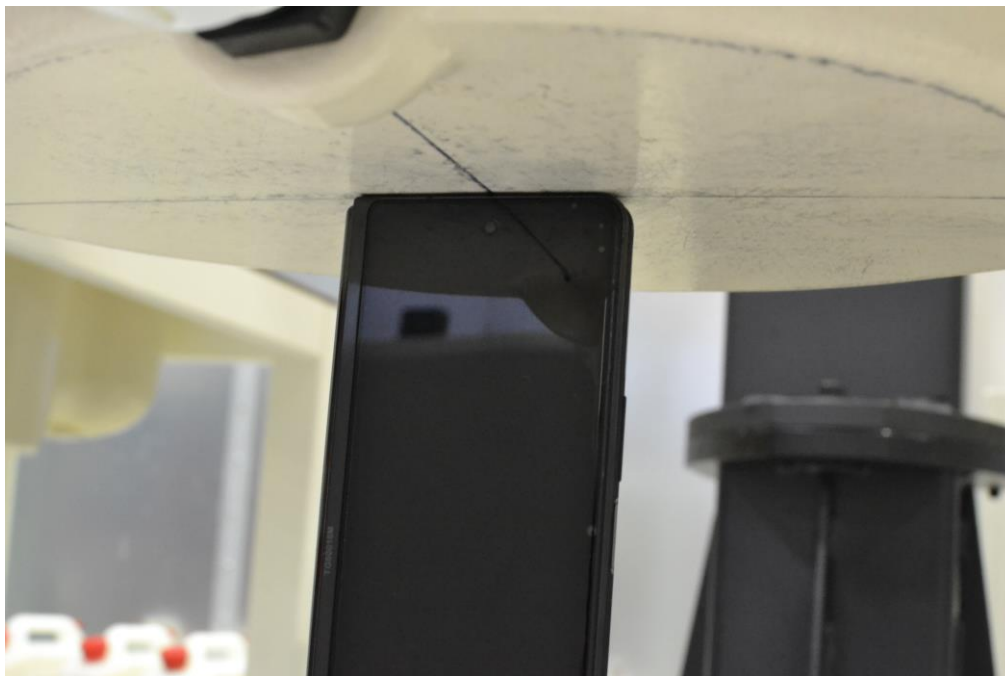


SAR Test Setup Photo 9– Closed Configuration (Handset) Front Side at 0 mm

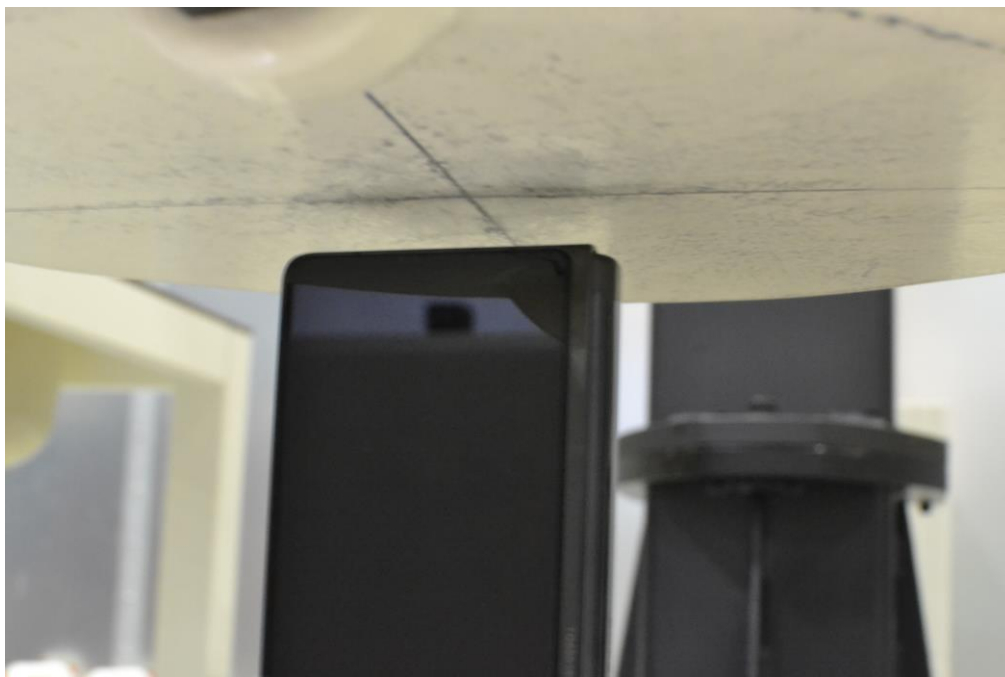


SAR Test Setup Photo 10– Closed Configuration (Handset) Top Edge at 10 mm


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SAR Test Setup Photo 11– Closed Configuration (Handset) Top Edge at 0 mm

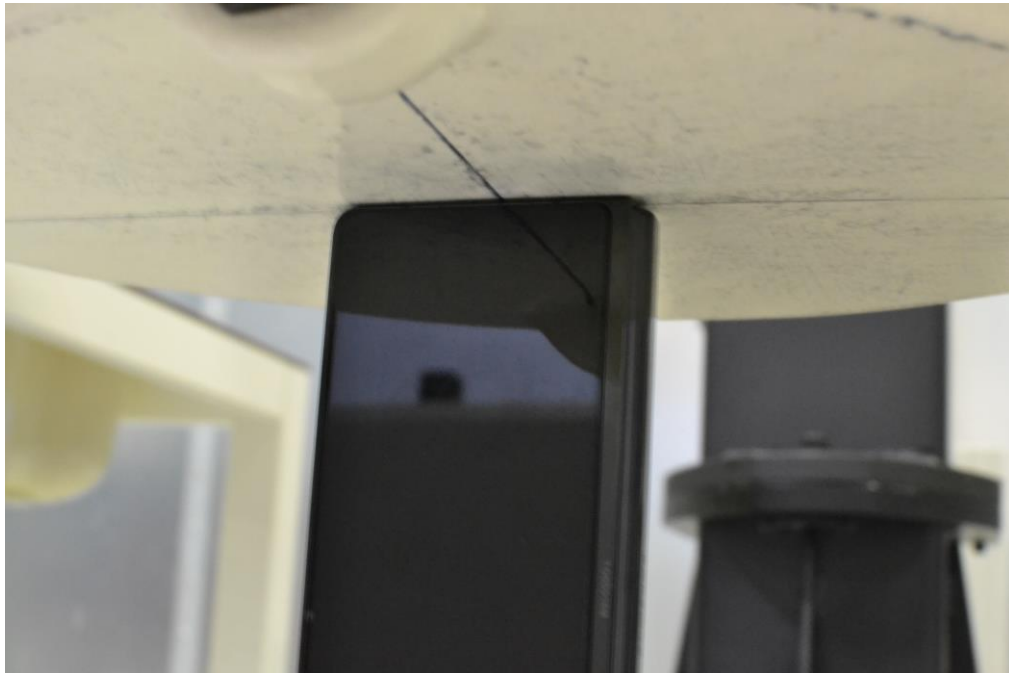


SAR Test Setup Photo 12– Closed Configuration (Handset) Bottom Edge at 12 mm


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SAR Test Setup Photo 13– Closed Configuration (Handset) Bottom Edge at 10 mm

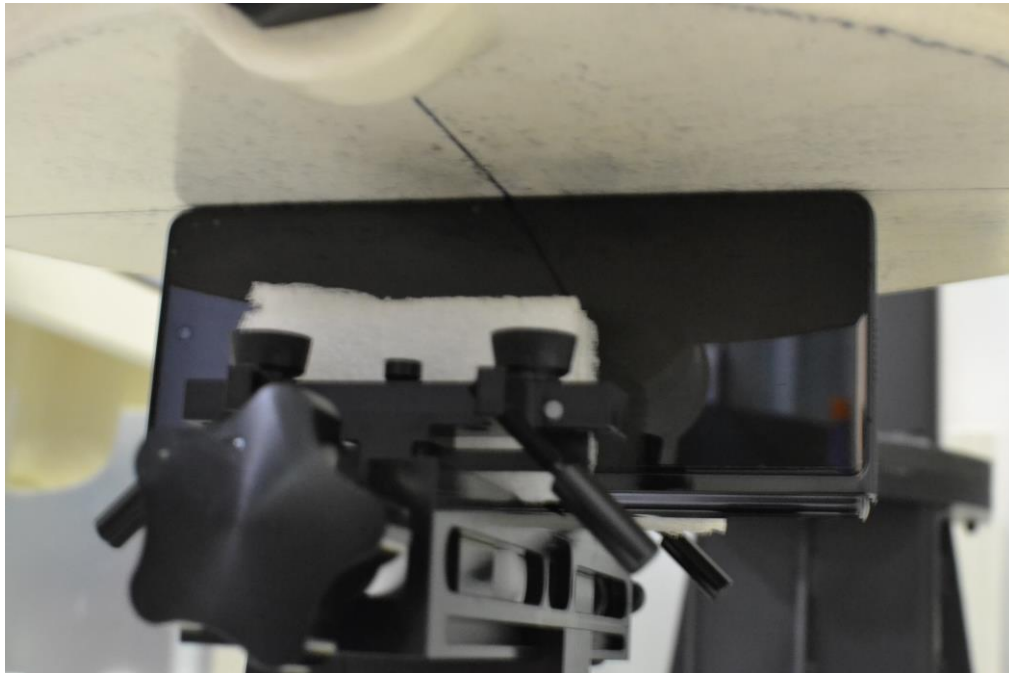


SAR Test Setup Photo 14– Closed Configuration (Handset) Bottom Edge at 0 mm


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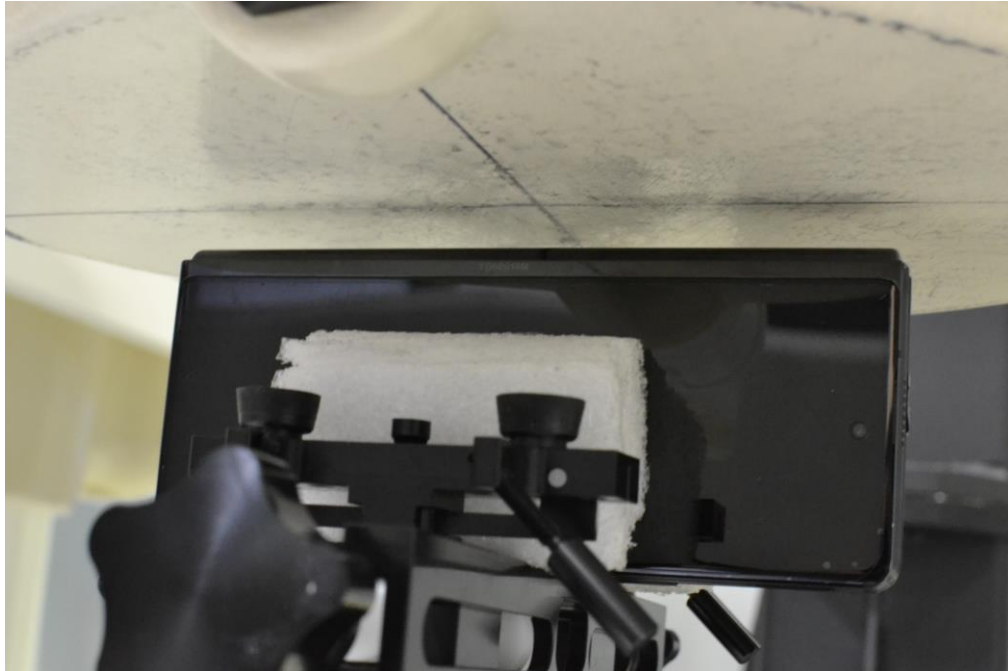


SAR Test Setup Photo 15– Closed Configuration (Handset) Right Edge at 10 mm



SAR Test Setup Photo 16– Closed Configuration (Handset) Right Edge at 0 mm


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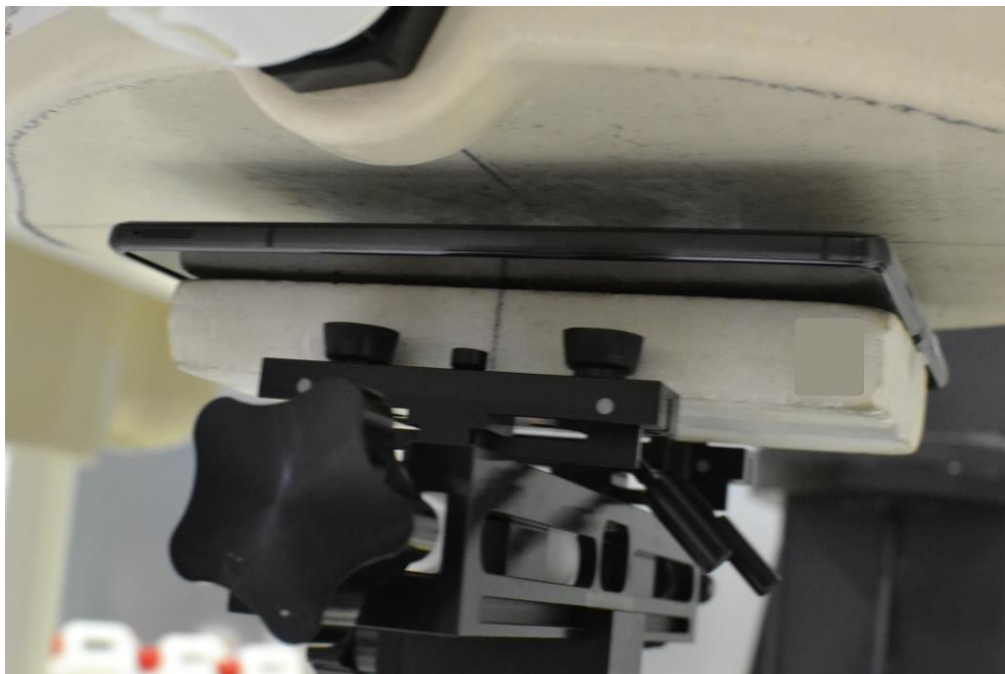


SAR Test Setup Photo 17– Closed Configuration (Handset) Left Edge at 10 mm

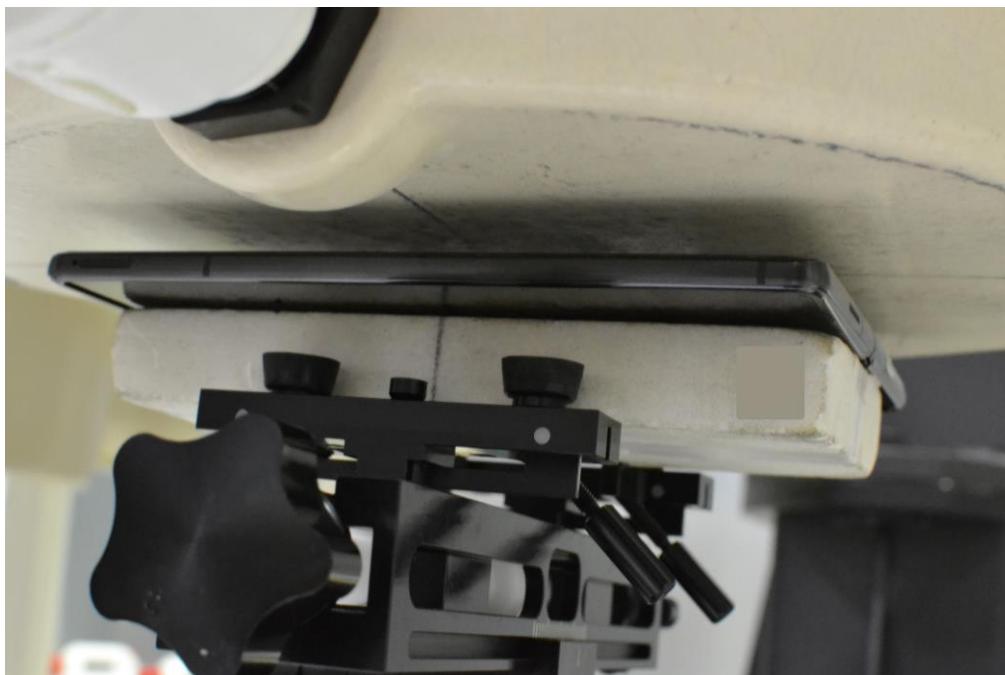


SAR Test Setup Photo 18– Closed Configuration (Handset) Left Edge at 0 mm



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SAR Test Setup Photo 19– Open Configuration (UMPC) Back Side at 12 mm

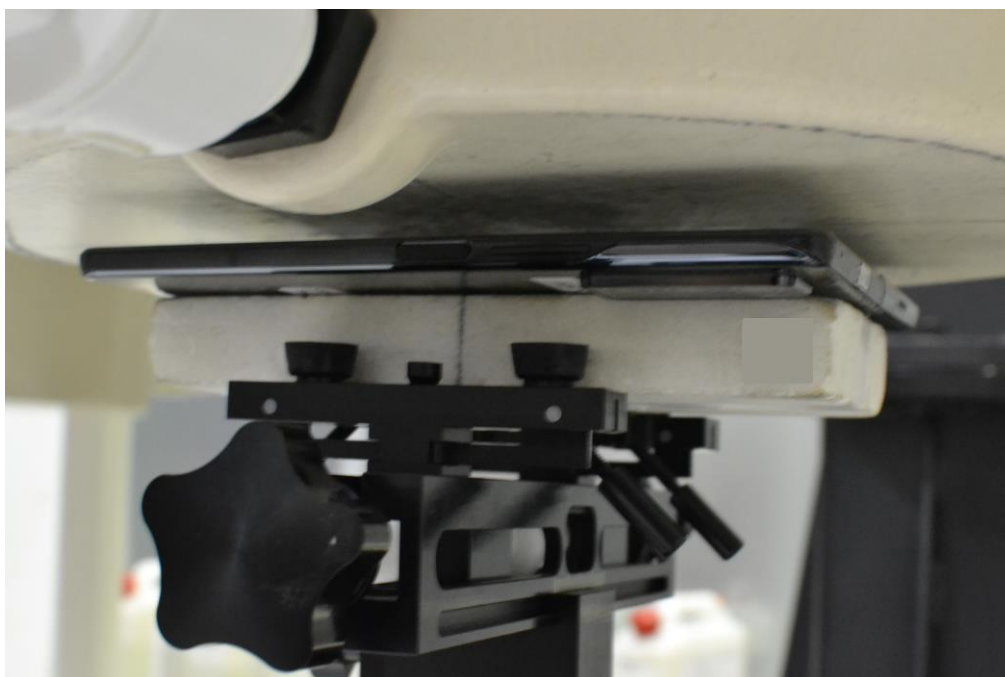


SAR Test Setup Photo 20– Open Configuration (UMPC) Back Side at 10 mm


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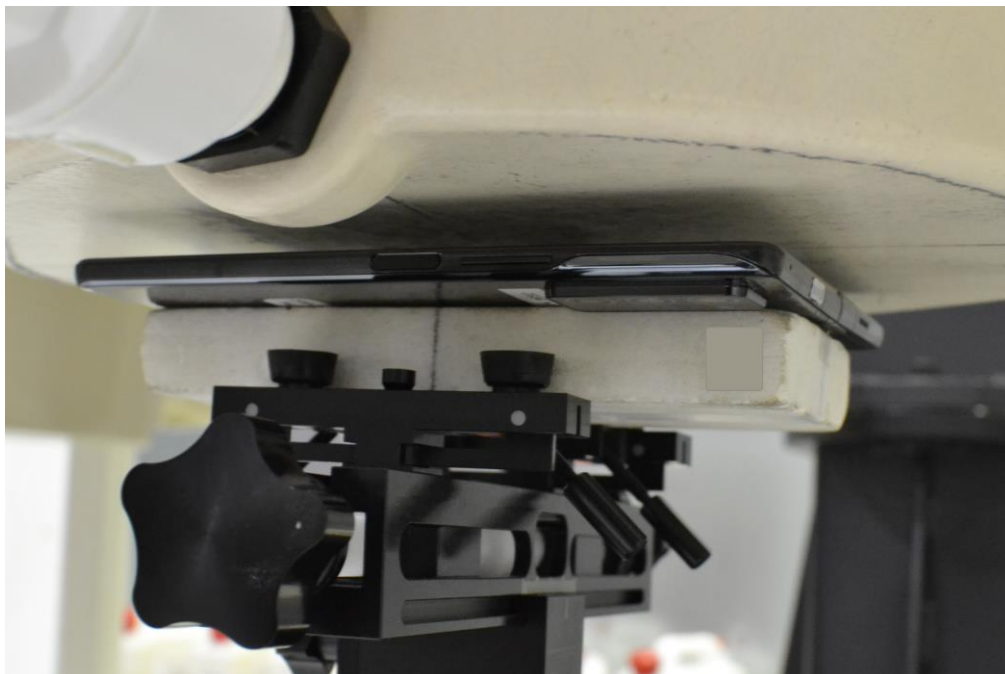


SAR Test Setup Photo 21– Open Configuration (UMPC) Back Side at 0 mm

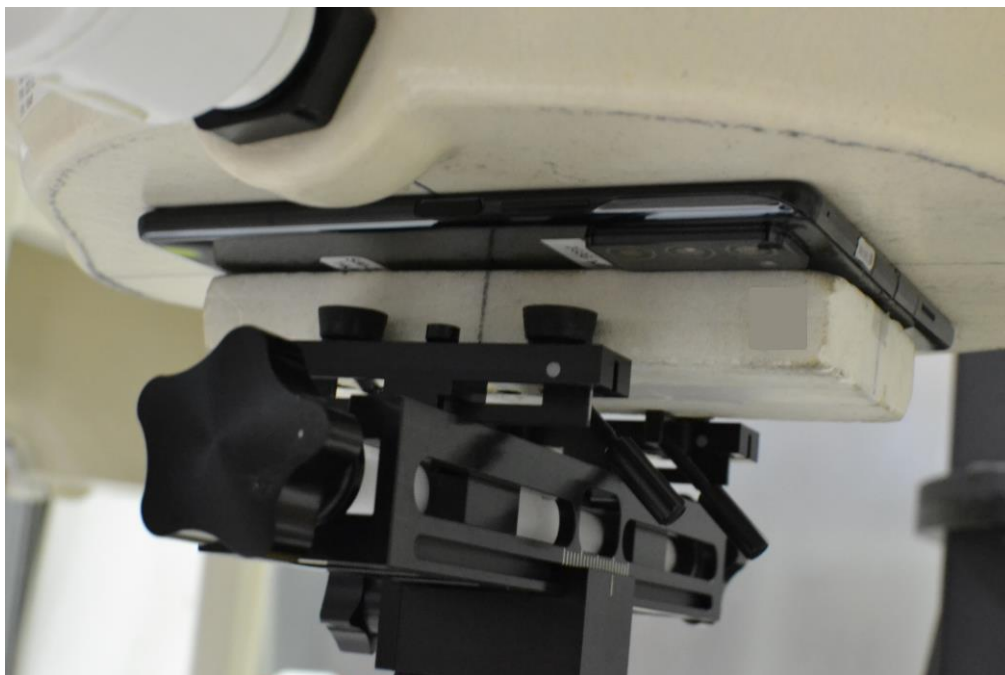


SAR Test Setup Photo 22– Open Configuration (UMPC) Front Side at 10 mm


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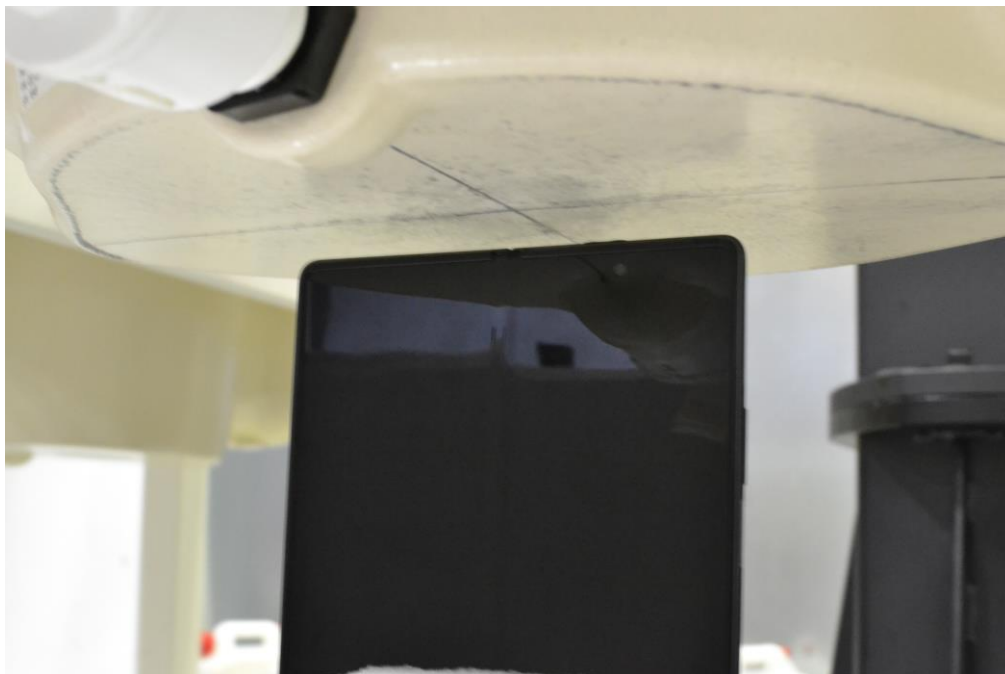


SAR Test Setup Photo 23– Open Configuration (UMPC) Front Side at 9 mm

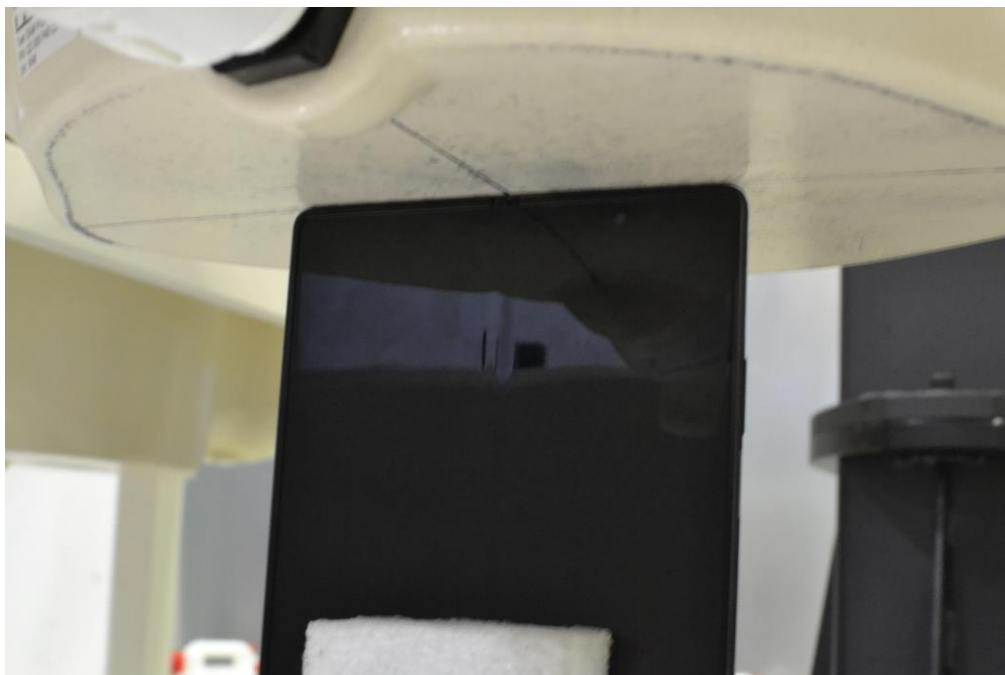


SAR Test Setup Photo 24– Open Configuration (UMPC) Front Side at 0 mm


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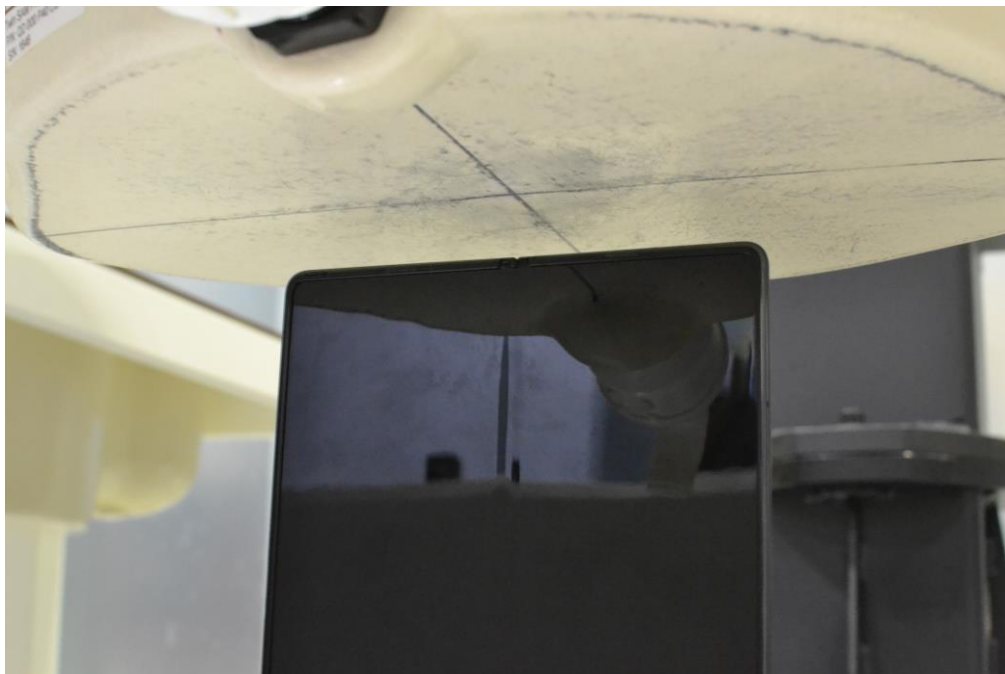


SAR Test Setup Photo 25– Open Configuration (UMPC) Top Edge at 10 mm

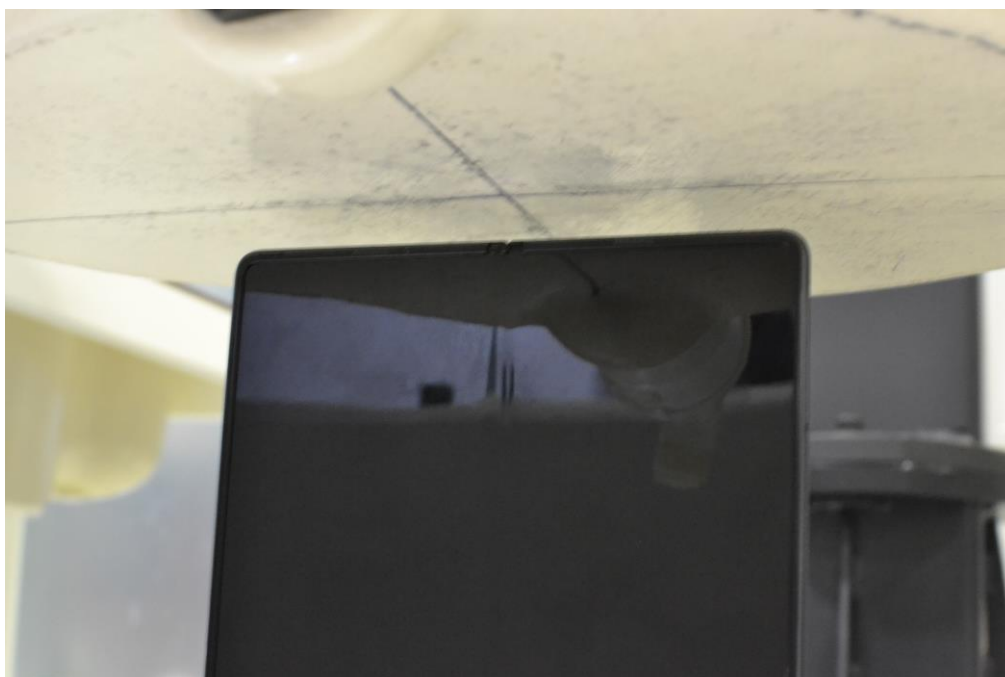


SAR Test Setup Photo 26– Open Configuration (UMPC) Top Edge at 0 mm


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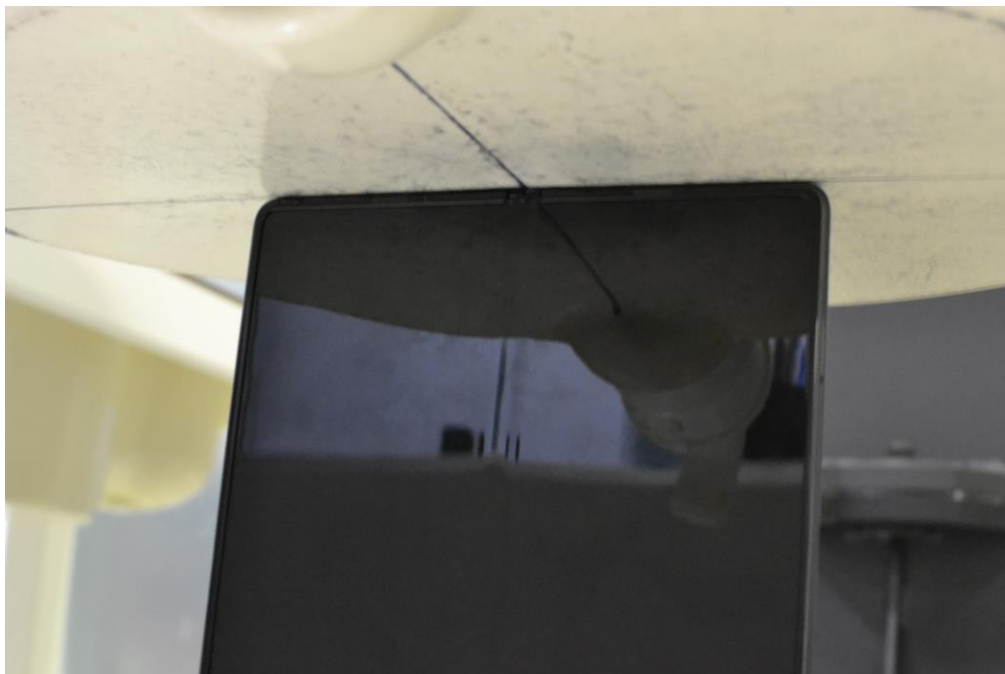


SAR Test Setup Photo 27– Open Configuration (UMPC) Bottom Edge at 16 mm

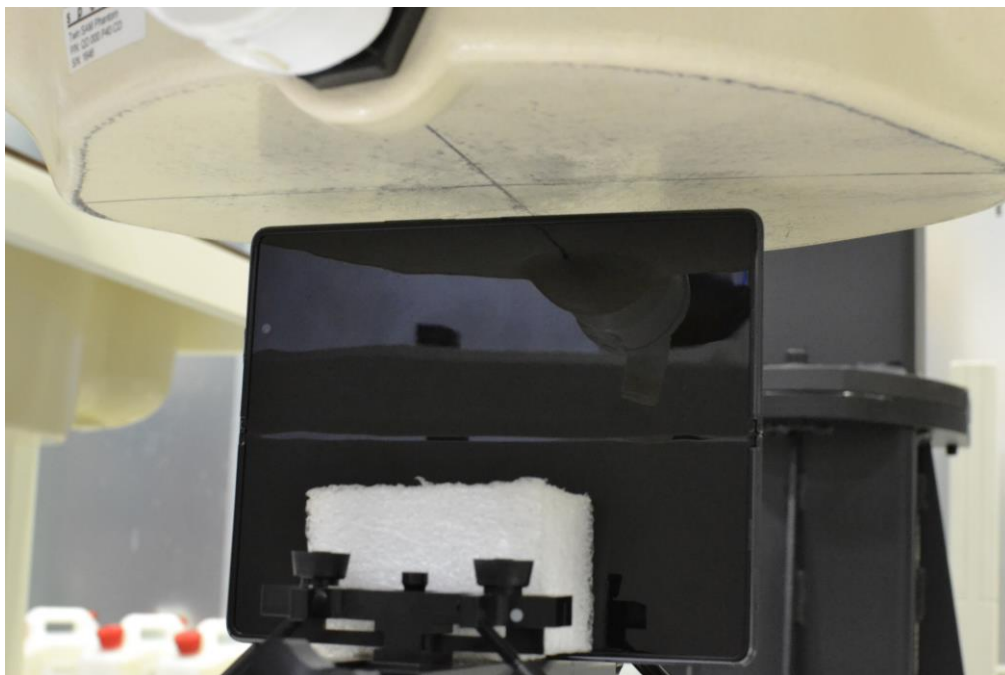


SAR Test Setup Photo 28– Open Configuration (UMPC) Bottom Edge at 10 mm



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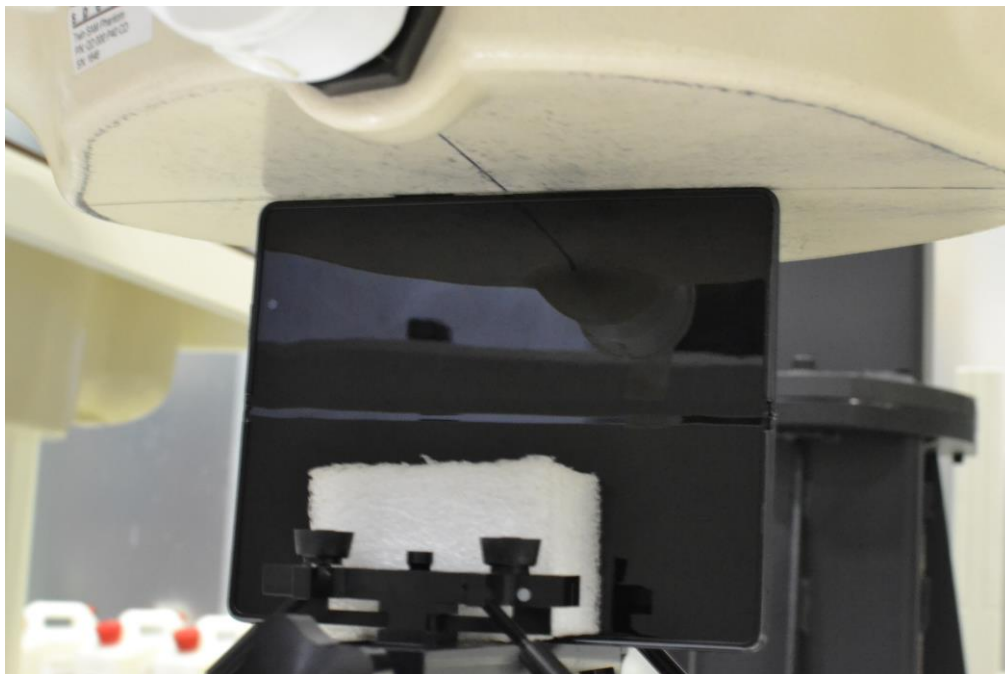


SAR Test Setup Photo 29– Open Configuration (UMPC) Bottom Edge at 0 mm

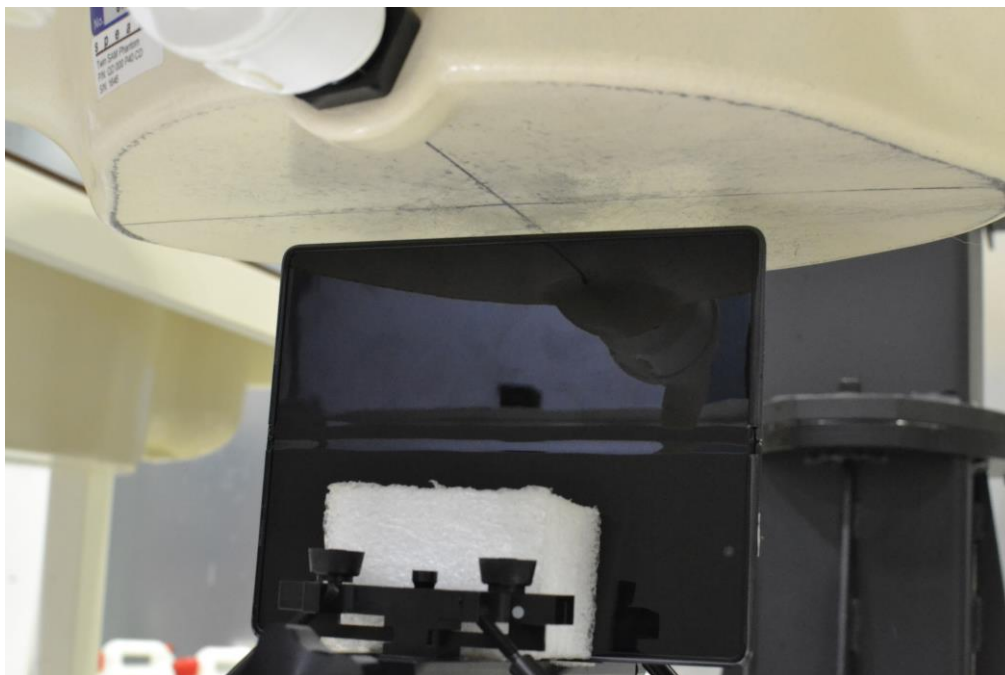


SAR Test Setup Photo 30– Open Configuration (UMPC) Right Edge at 10 mm



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SAR Test Setup Photo 31– Open Configuration (UMPC) Right Edge at 0 mm

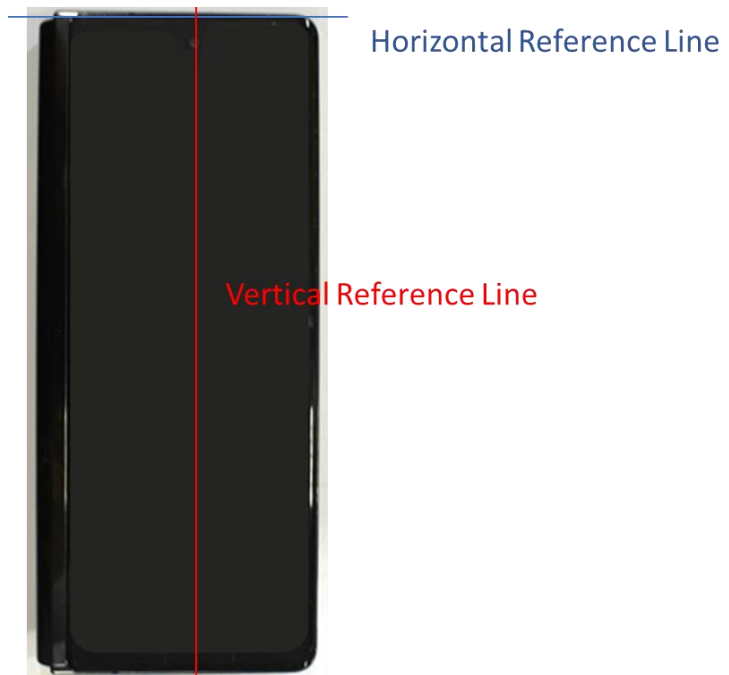


SAR Test Setup Photo 32– Open Configuration (UMPC) Left Edge at 10 mm


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SAR Test Setup Photo 33– Open Configuration (UMPC) Left Edge at 0 mm



SAR Test Setup Photo 34– Closed Configuration (Handset) Horizontal and Vertical Reference Lines

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