# APPENDIX F: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS



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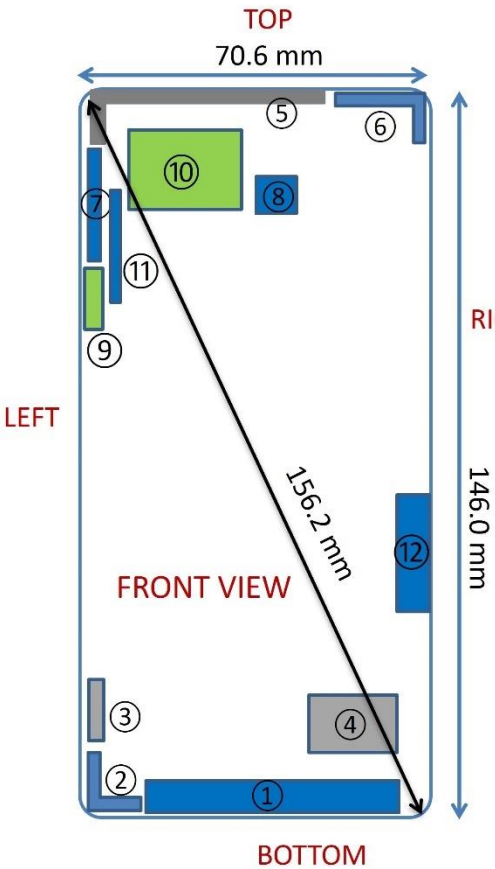


① Main Band Antenna I Tx/Rx (Ant A)
1. GSM/GPRS/EDGE 850/1900
2. UMTS Band II/IV/V
3. LTE Band 2/4/5/12/13/14/25/26/30/66/71
4. NR Band n2/5/12/25/30/66/71
5. LTE Band 29 Rx Only

② Main Band Antenna II Tx/Rx (Ant B)
1. LTE Band 7/30/38/41
2. NR Band n7/30
3. NR Band n41 Tx/Rx (SRS Only)
4. NR Band n38/41 Rx Only

③ Sub Antenna I Tx/Rx (Ant C)
1. NR Band n77 Tx/Rx (SRS Only)
2. LTE Band 2/4/25/30/66 MIMO Rx Only
3. NR Band n2/25/30/66 MIMO Rx Only
4. LTE Band 48 Rx Only
5. NR Band n77 Rx Only

④ Sub Antenna II (Ant D)
1. NR Band n41/77 Tx/Rx (SRS Only)
2. NR Band n41/77 MIMO Rx Only
3. LTE Band 41/48 MIMO Rx Only

⑤ Sub Antenna III (Ant E)
1. NR Band n41 Tx/Rx (SRS Only)
2. GSM/GPRS/EDGE 850 Rx Only
3. WCDMA B5 Rx Only
4. LTE Band 5/12/13/14/26/29/71 Rx Only
5. LTE Band 2/4/25/30/41/66 MIMO Rx Only
6. NR Band n5/12/71 Rx Only
7. NR Band n2/25/30/66/41 Rx Only

⑥ Sub Antenna IV Tx/Rx (Ant F)
1. NR Band n2/25/30/38/41/66 Tx/Rx
2. GSM/GPRS/EDGE 1900 Rx Only
3. WCDMA B2/4 Rx Only
4. LTE Band 2/4/7/25/30/38/41/66 Rx Only
5. NR Band n7 Rx Only
6. GPS L1 Rx Only

⑦ Sub Antenna V Tx/Rx (Ant G)
1. LTE Band 48 Tx/Rx
2. NR Band n77 Tx/Rx

⑧ Sub Antenna VI (Ant H)
1. NR Band n77 Tx/Rx (SRS Only)
2. LTE Band 48 MIMO Rx Only
3. NR Band n77 MIMO Rx Only

⑨ WIFI #1
1. 2.4 GHz WLAN/Bluetooth Tx/Rx
2. 5 GHz WLAN Tx/Rx
3. LTE Band 46 Rx Only

⑩ WIFI #2
1. 2.4 GHz WLANTx/Rx
2. 5 GHz WLAN Tx/Rx
3. LTE Band 46 Rx Only

⑪ (Ant M) NR mmW n258/260/261 Tx/Rx

⑫ (Ant N) NR mmW n258/260/261 Tx/Rx

Note: Exact antenna dimensions and separation distances are shown in the Technical Descriptions in the FCC Filing.

**Figure F-1**
**DUT Antenna Locations**

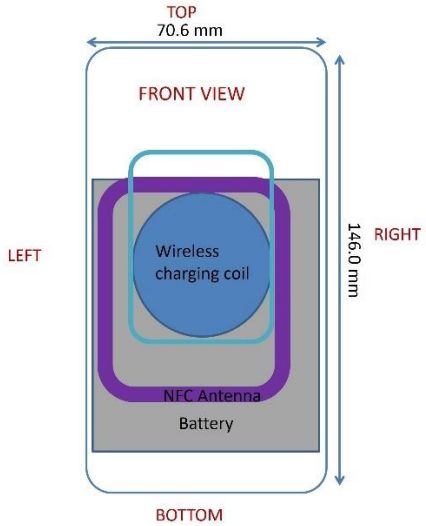


**Figure F-2**
**NFC Antenna Locations**


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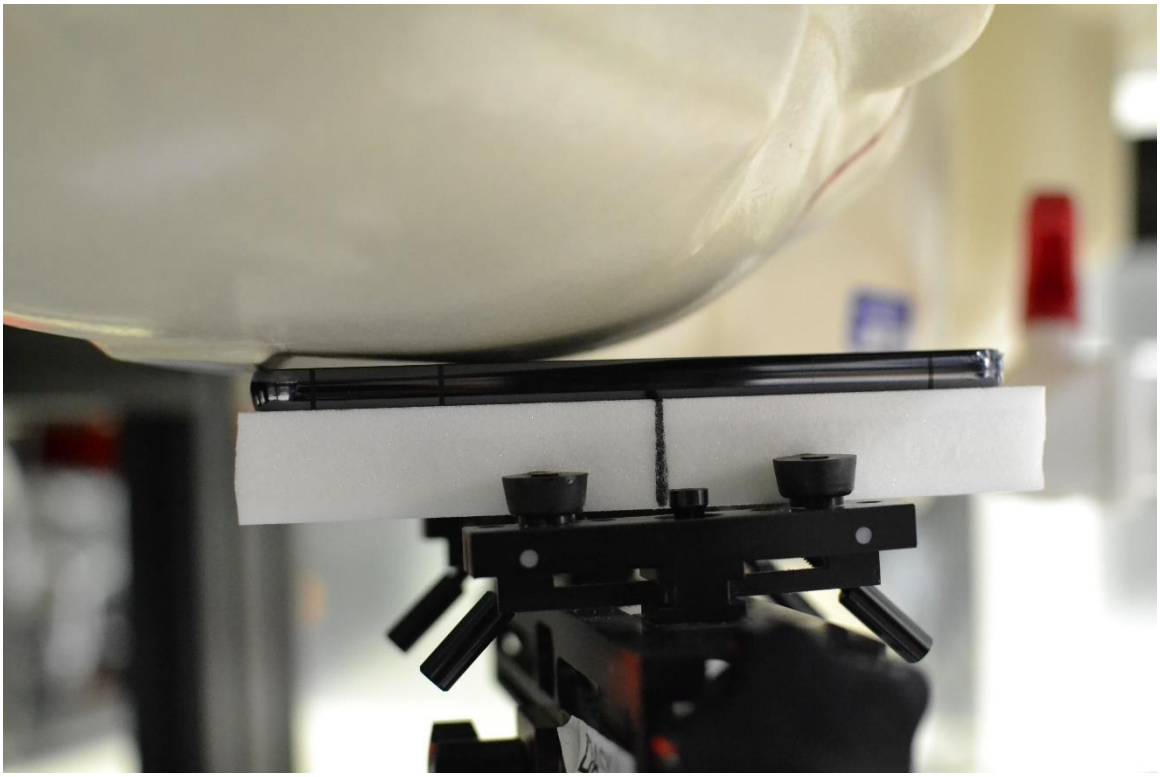
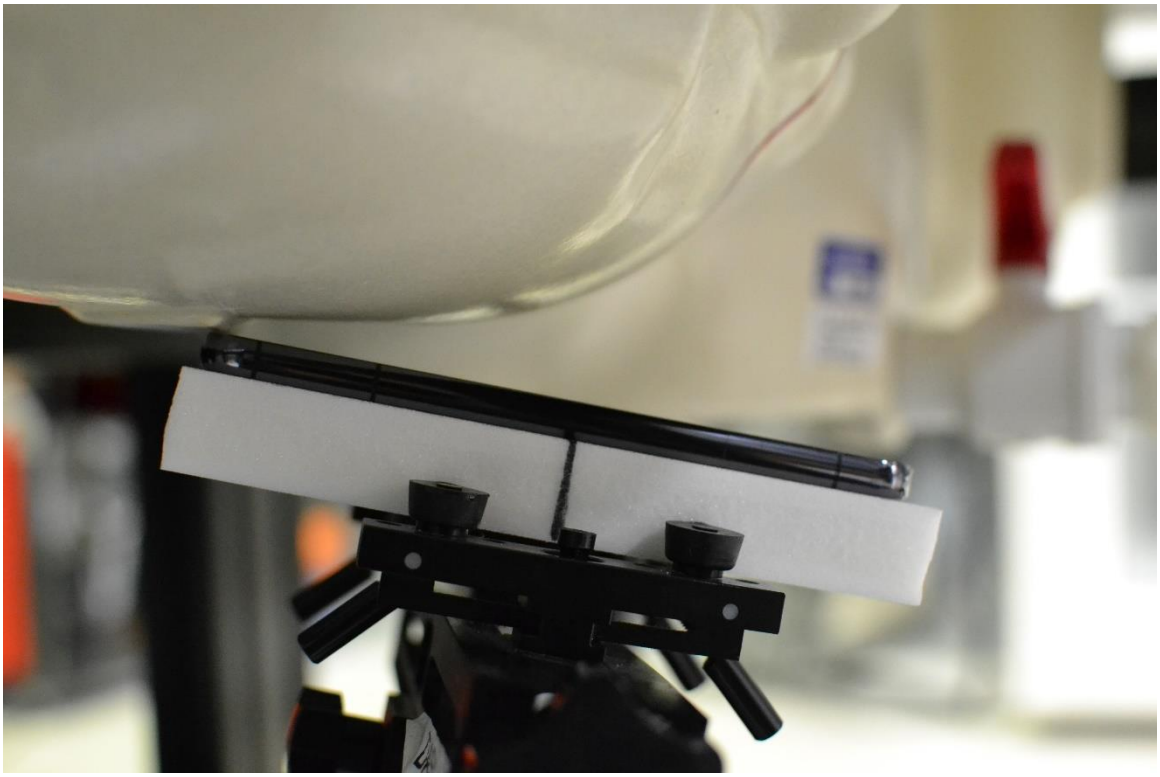


**SAR Test Setup Photo 1 – Head, Right Cheek, 0 mm**



**SAR Test Setup Photo 2 – Head, Right Tilt, 0 mm**



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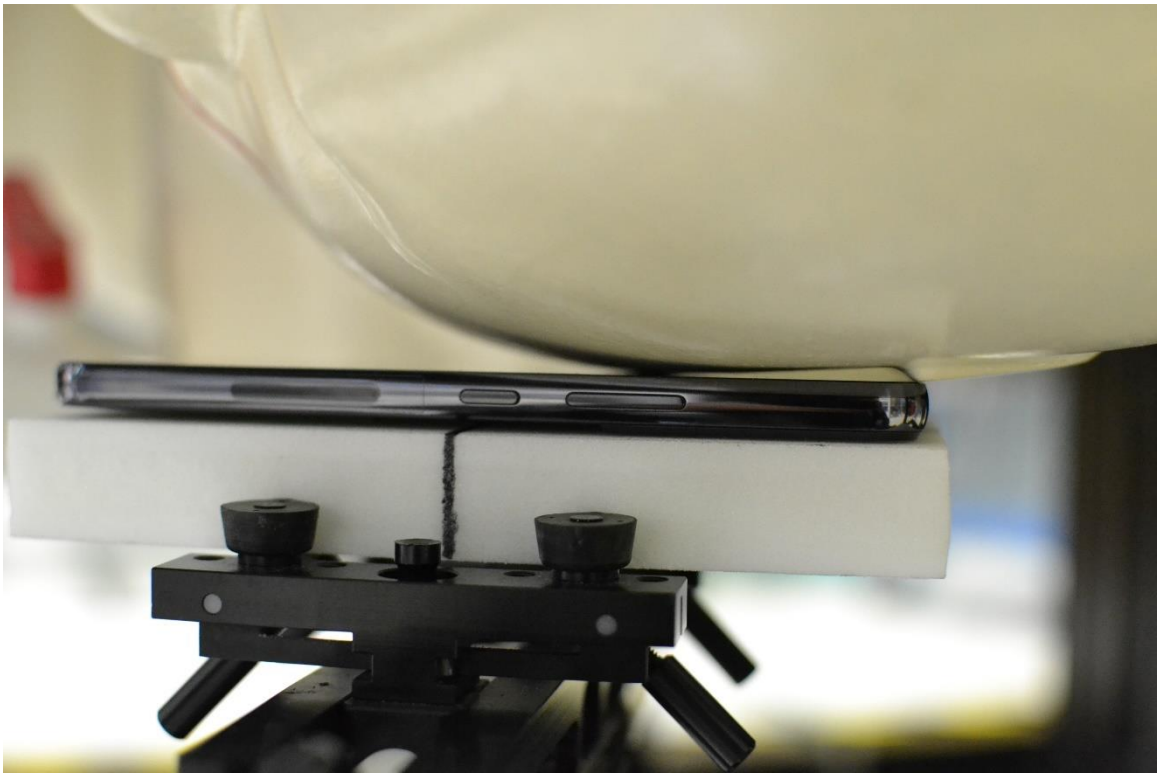
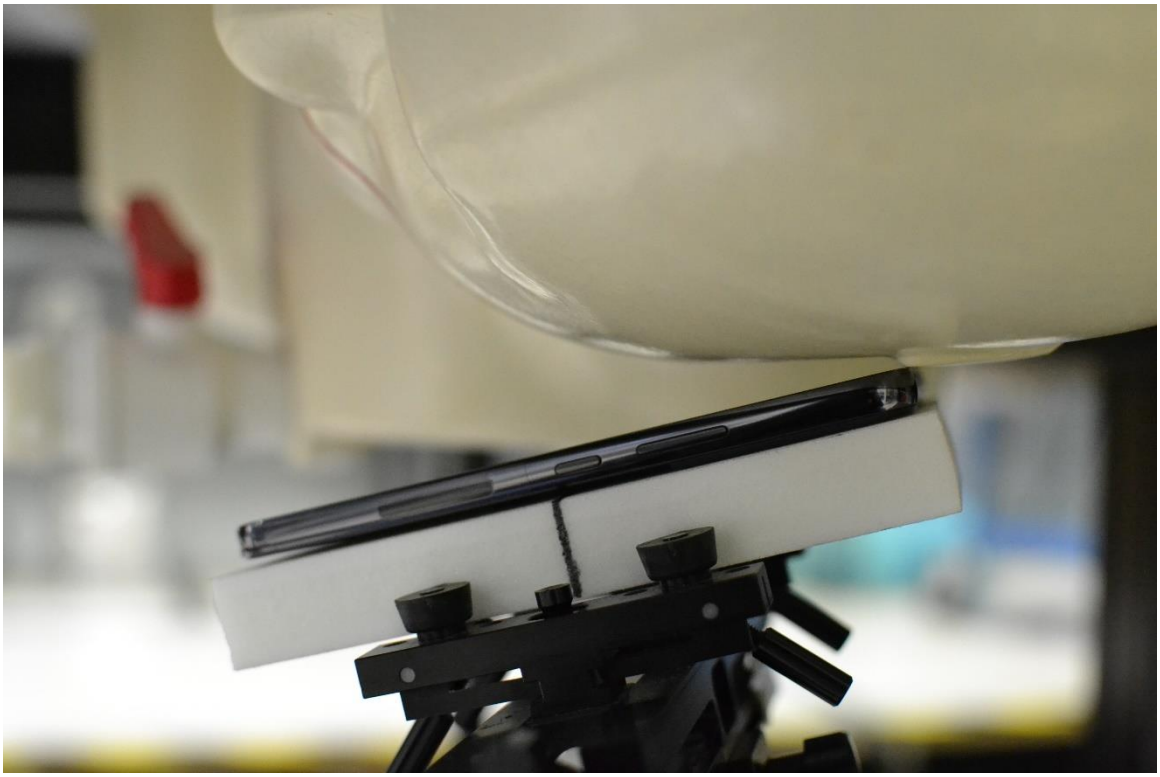


**SAR Test Setup Photo 3 – Head, Left Cheek, 0 mm**



**SAR Test Setup Photo 4 – Head, Left Tilt, 0 mm**



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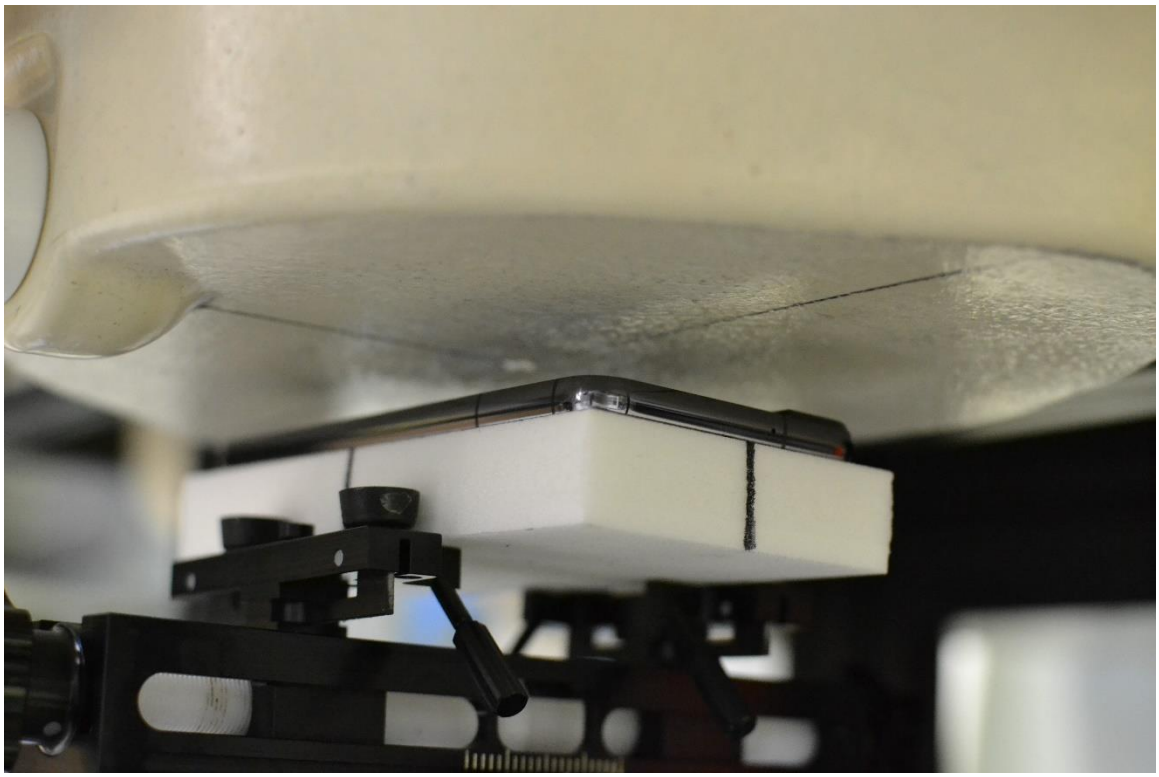
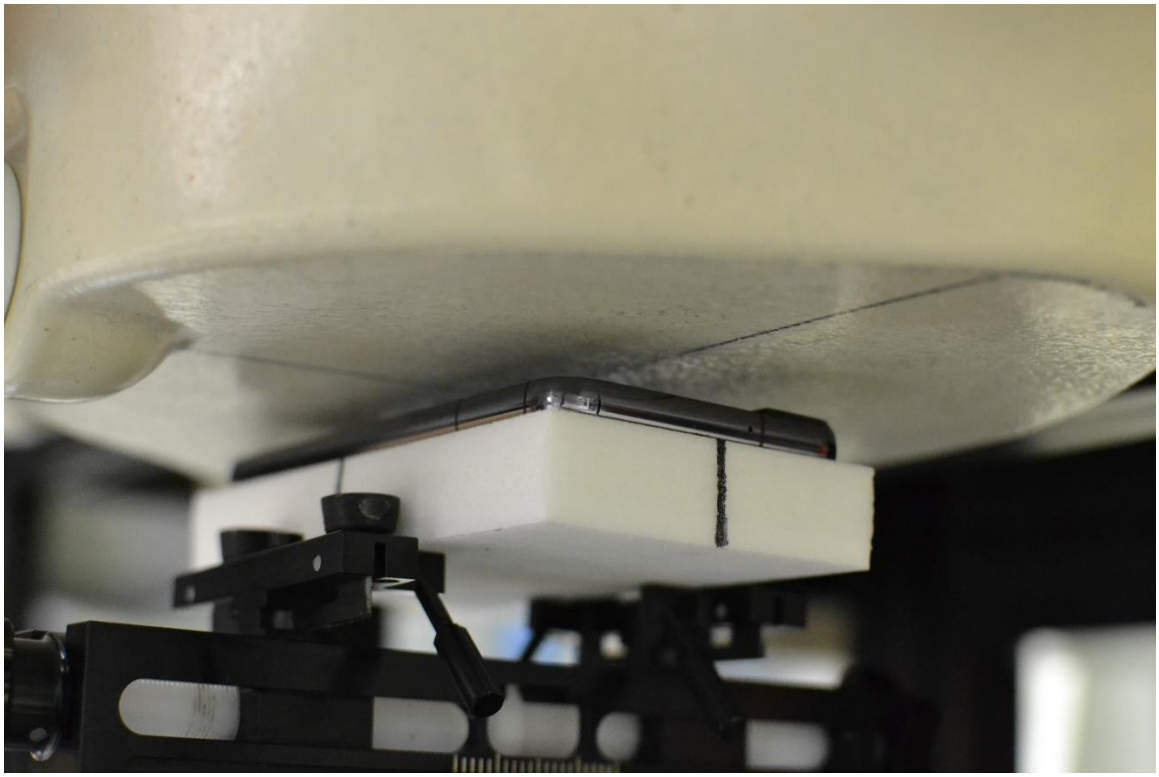


**SAR Test Setup Photo 5 – Body-worn, Back Side at 15mm**



**SAR Test Setup Photo 6 – Hotspot, Back Side at 10mm**



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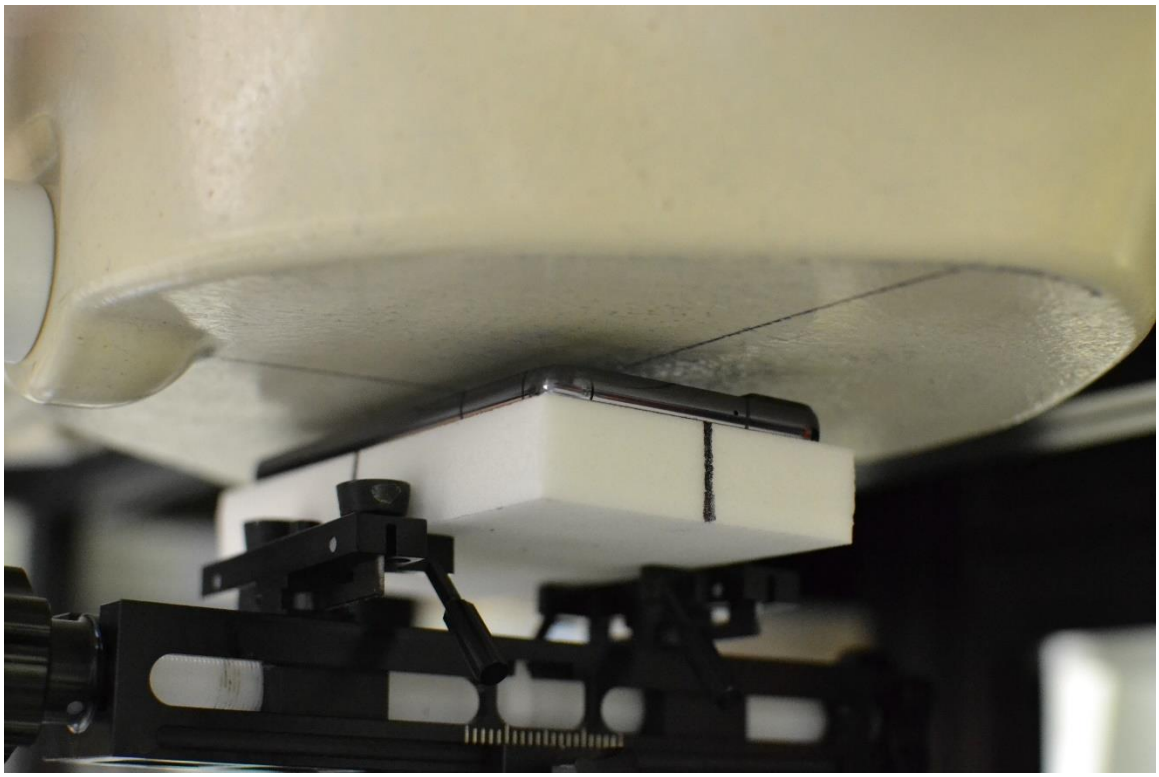
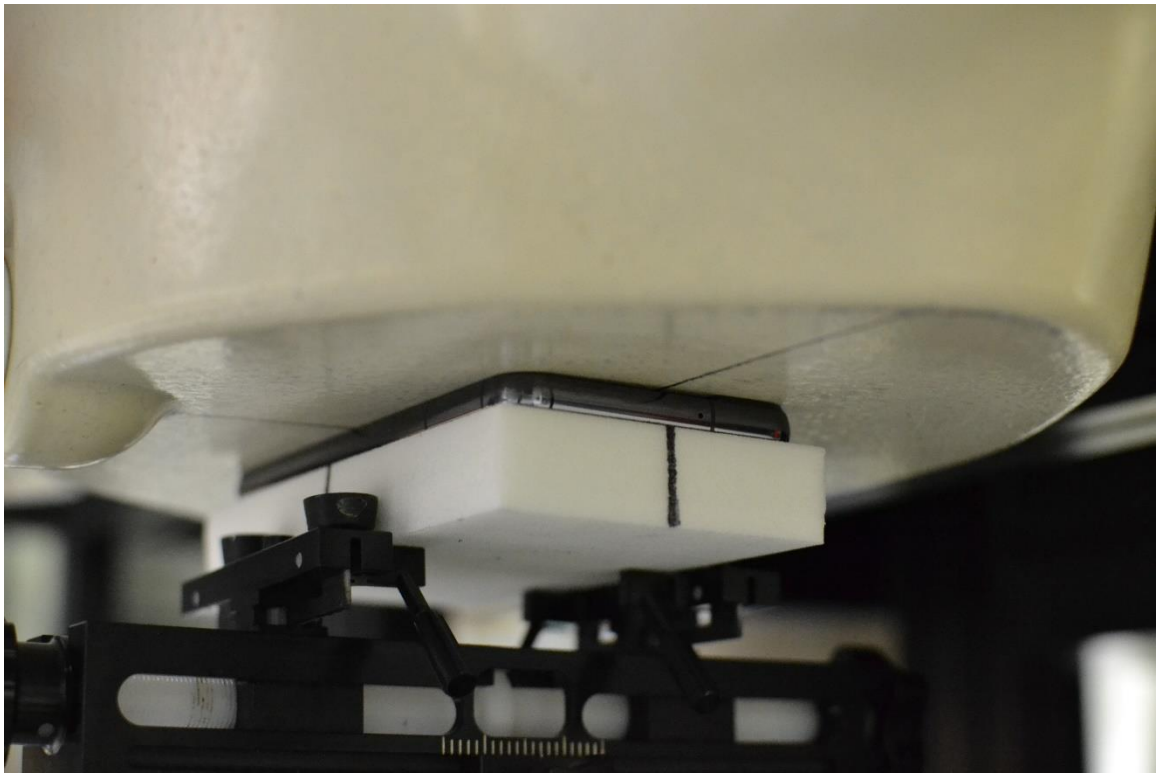


**SAR Test Setup Photo 7 – Phablet, Back Side at 8mm**



**SAR Test Setup Photo 8 – Phablet, Back Side at 0mm**



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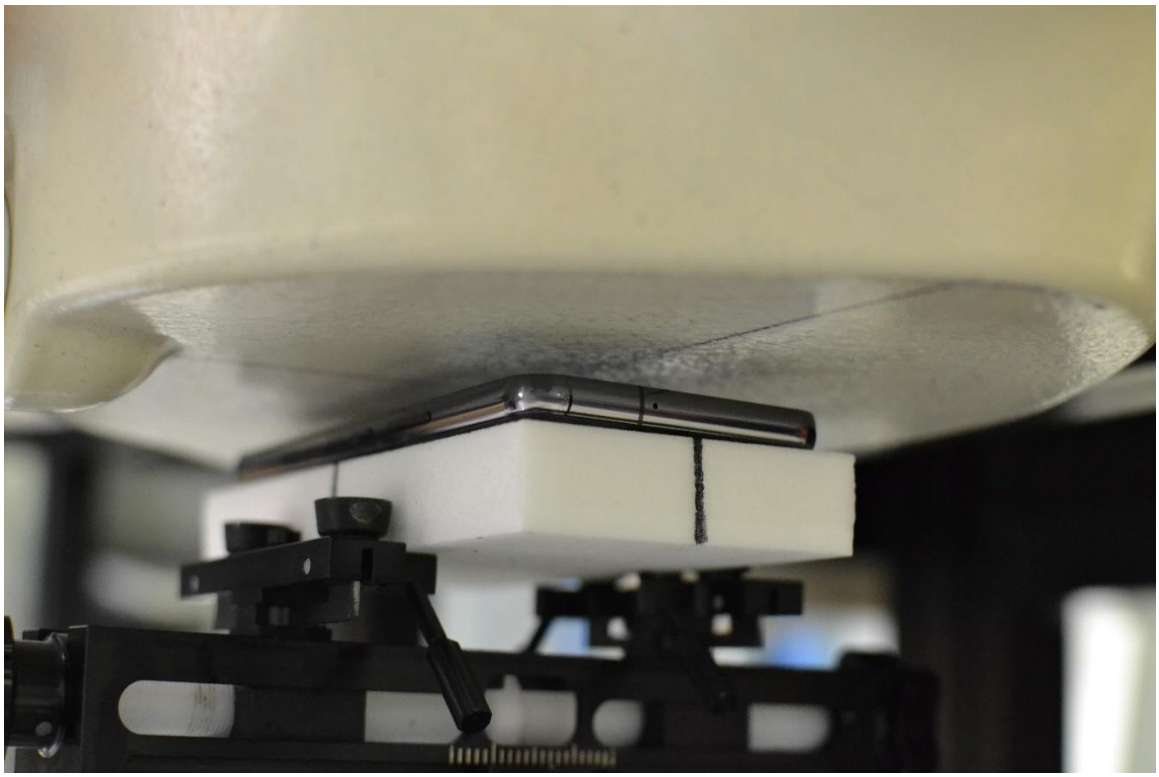
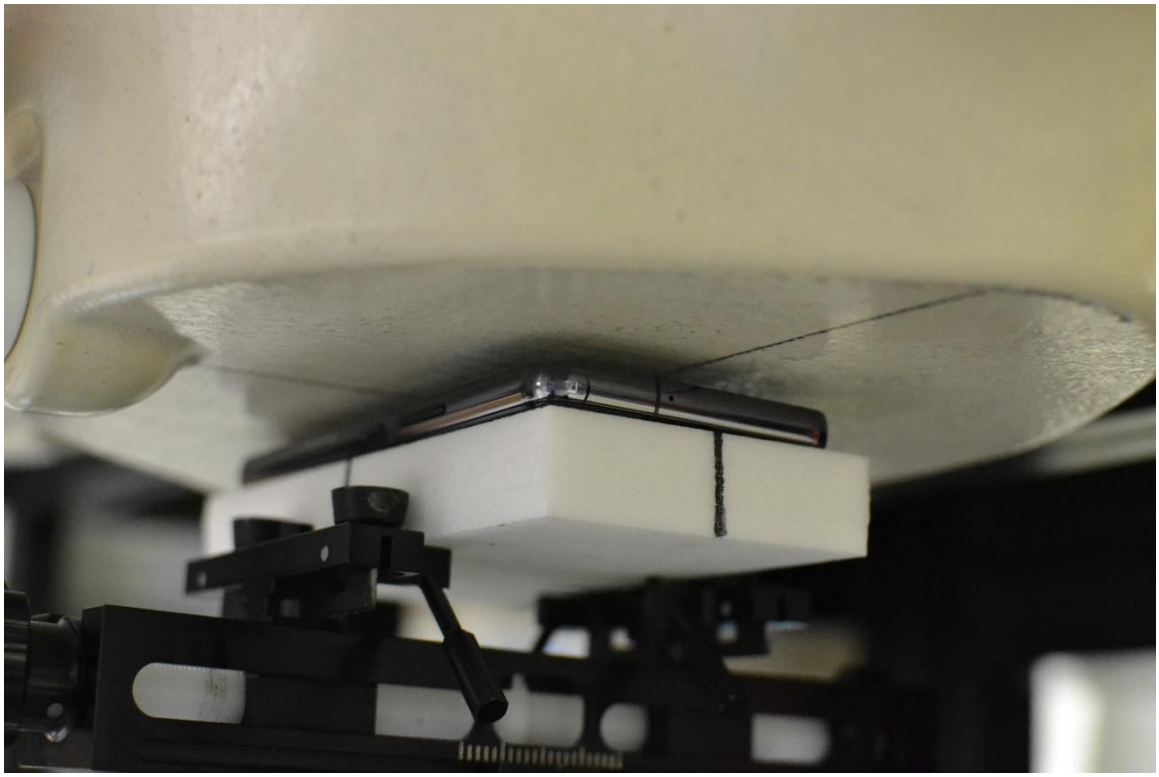


**SAR Test Setup Photo 9 – Hotspot, Front Side at 10mm**



**SAR Test Setup Photo 10 – Phablet, Front Side at 6mm**



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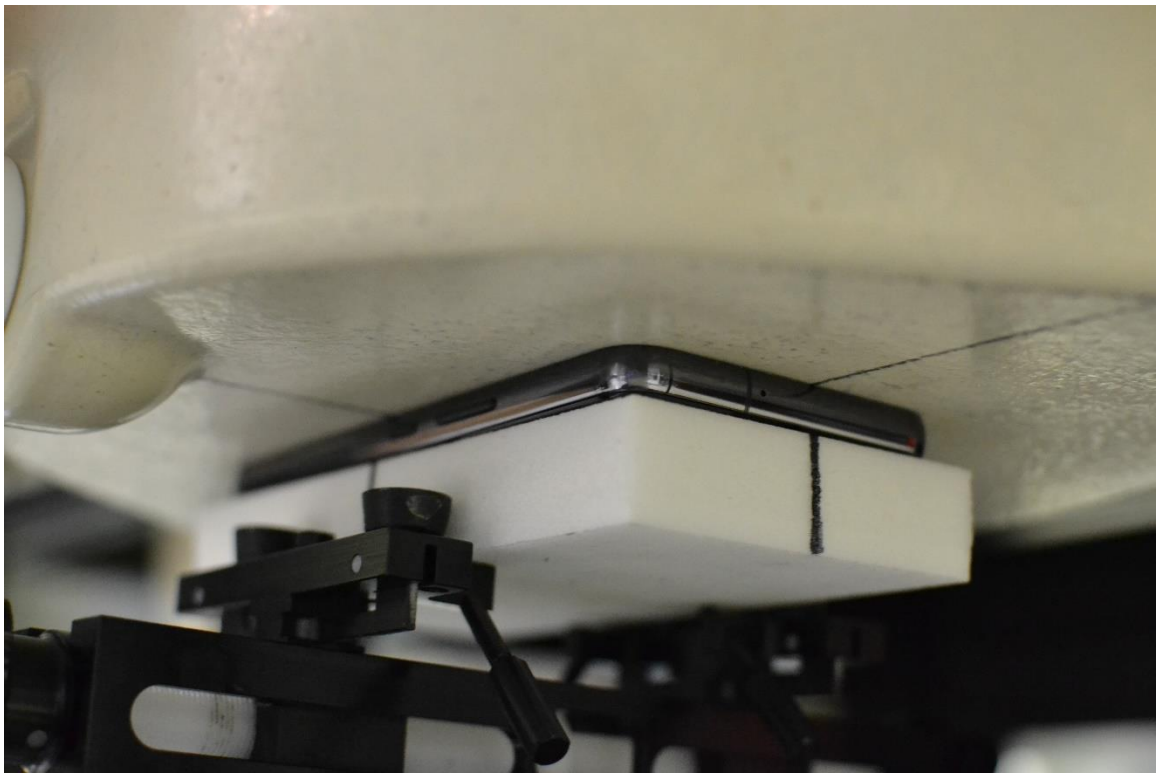
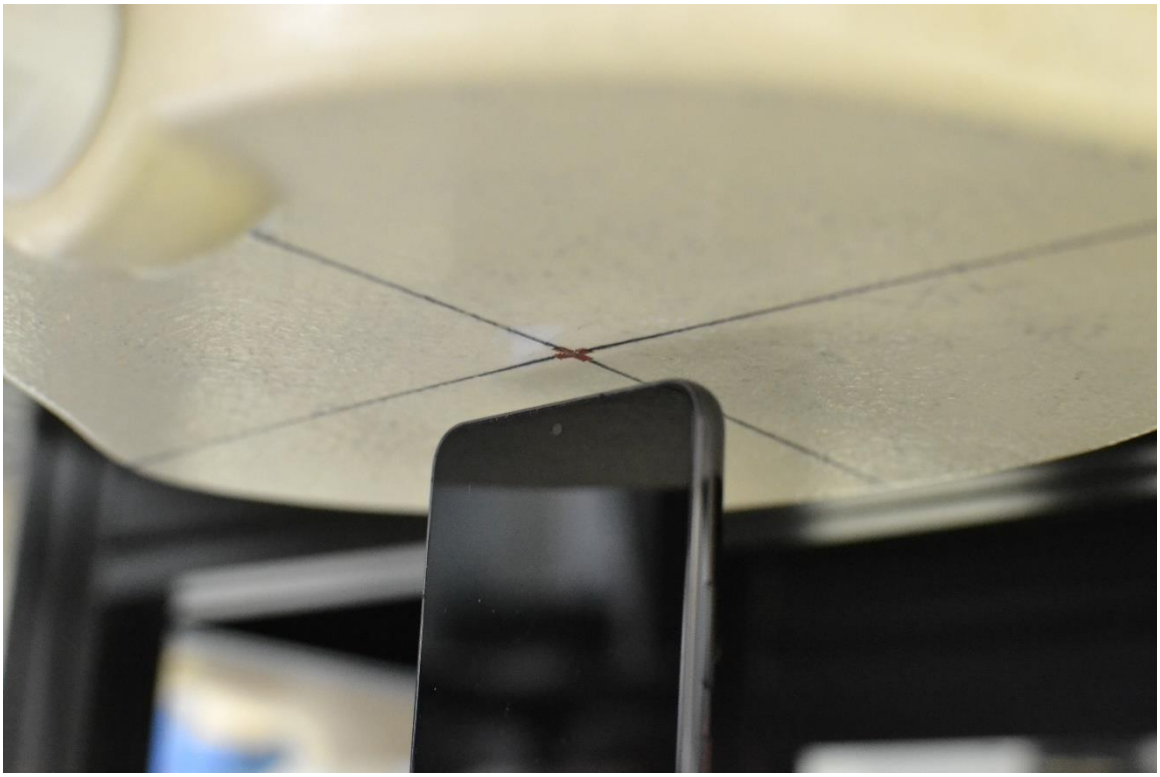


**SAR Test Setup Photo 11 – Phablet, Front Side at 0mm**



**SAR Test Setup Photo 12 – Hotspot,Top Edge at 10mm**



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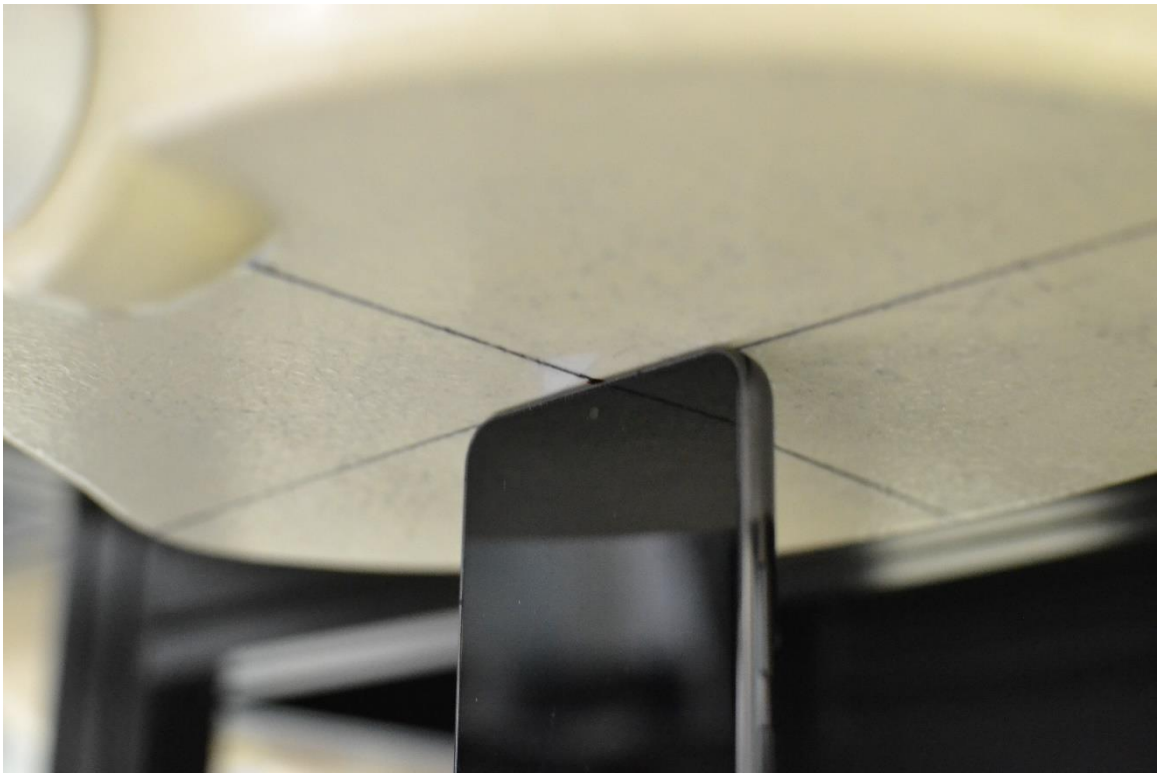
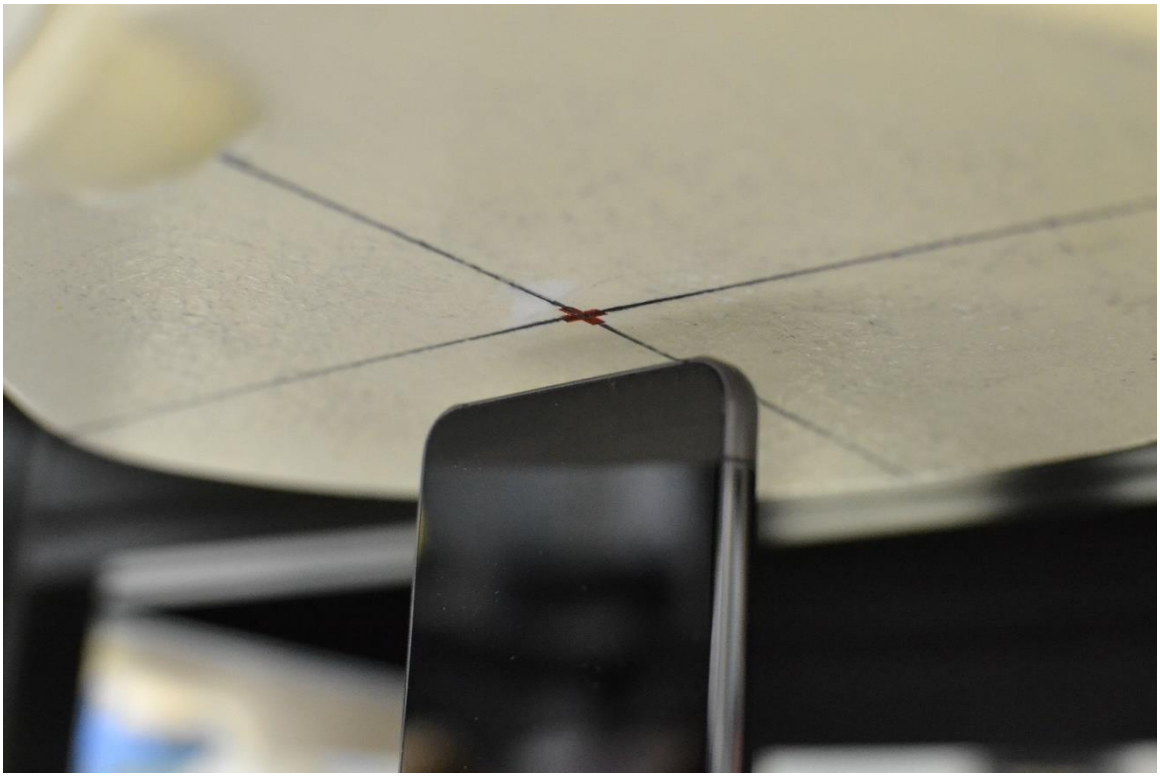


**SAR Test Setup Photo 13 – Phablet, Top Edge at 0mm**



**SAR Test Setup Photo 14 – Phablet, Bottom Edge at 11mm**



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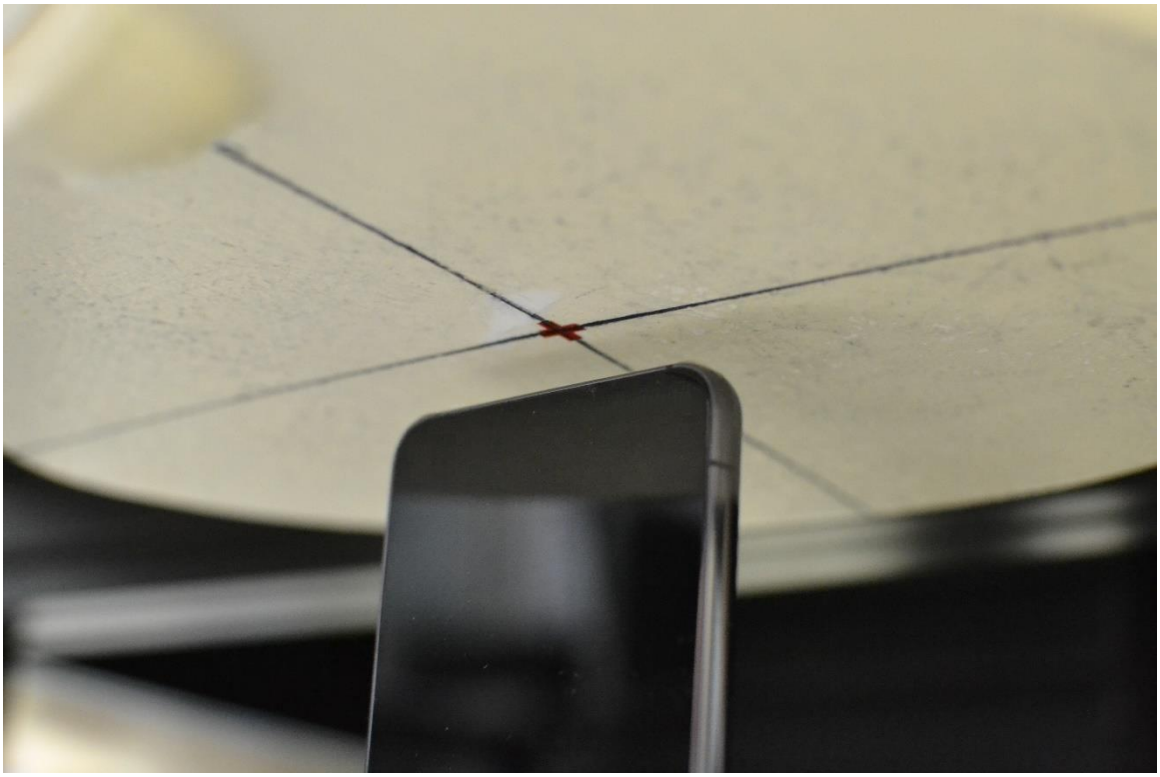
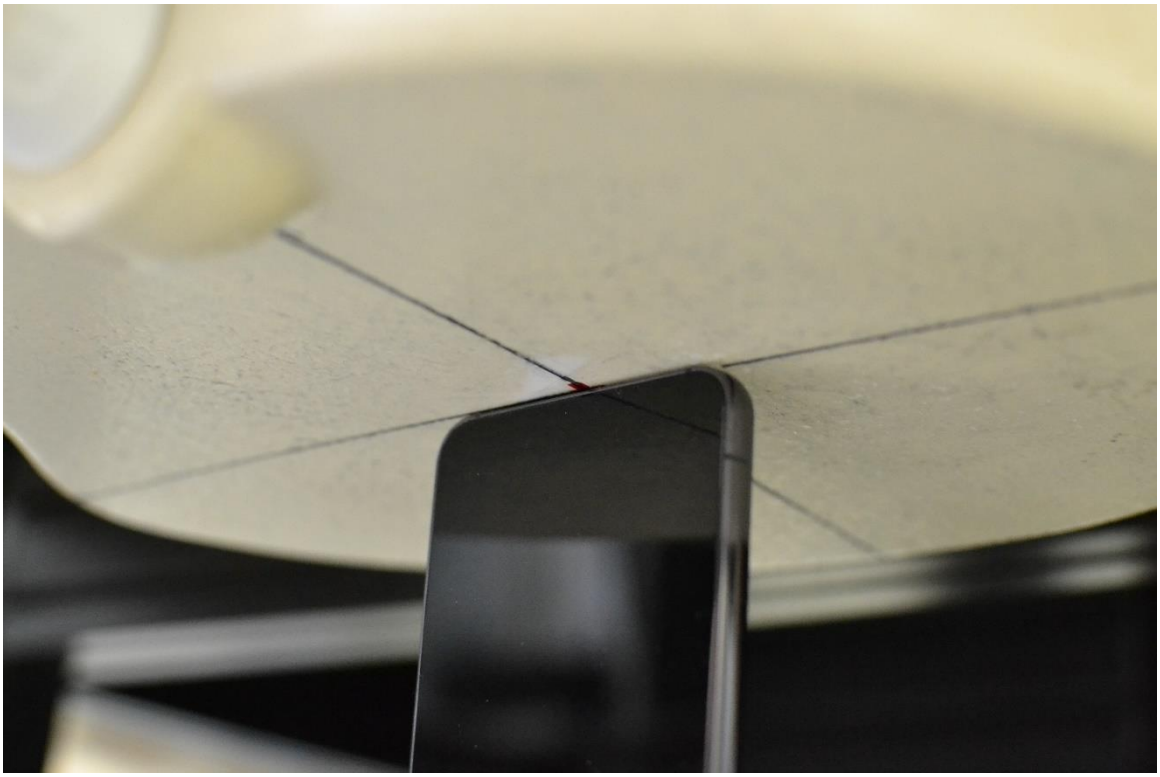


**SAR Test Setup Photo 15 – Hotspot, Bottom Edge at 10mm**



**SAR Test Setup Photo 16 – Phablet, Bottom Edge at 0mm**



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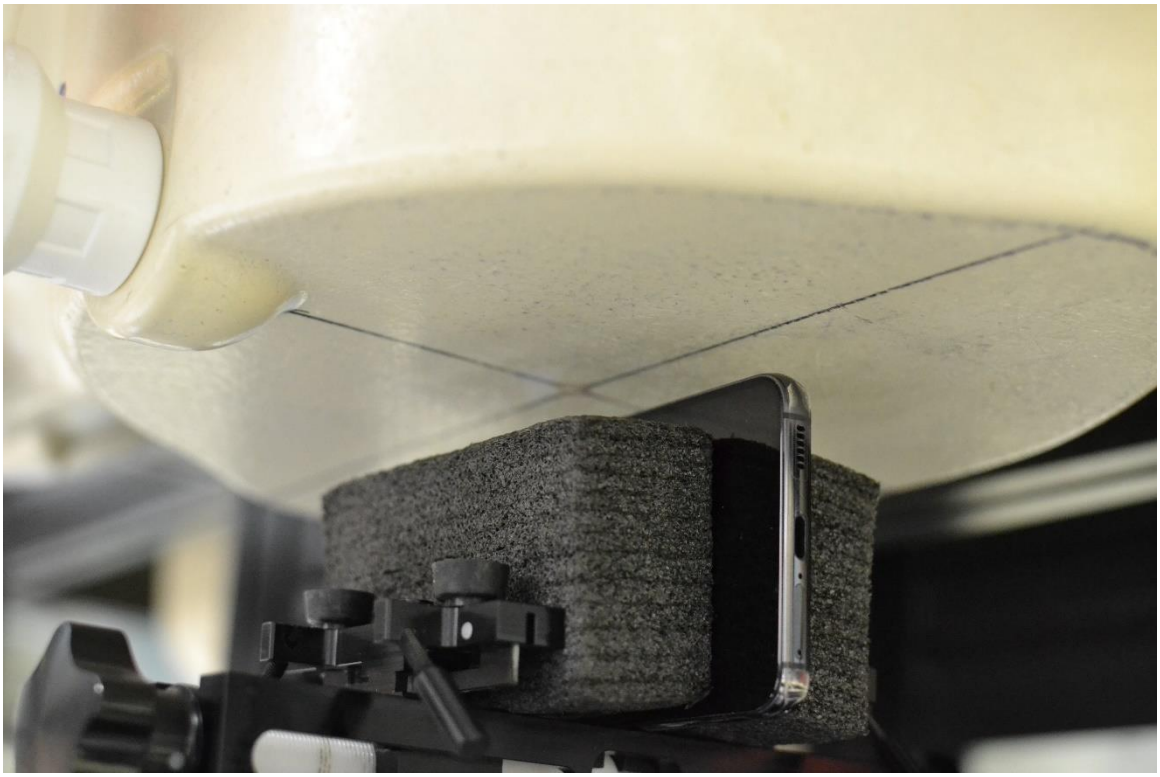
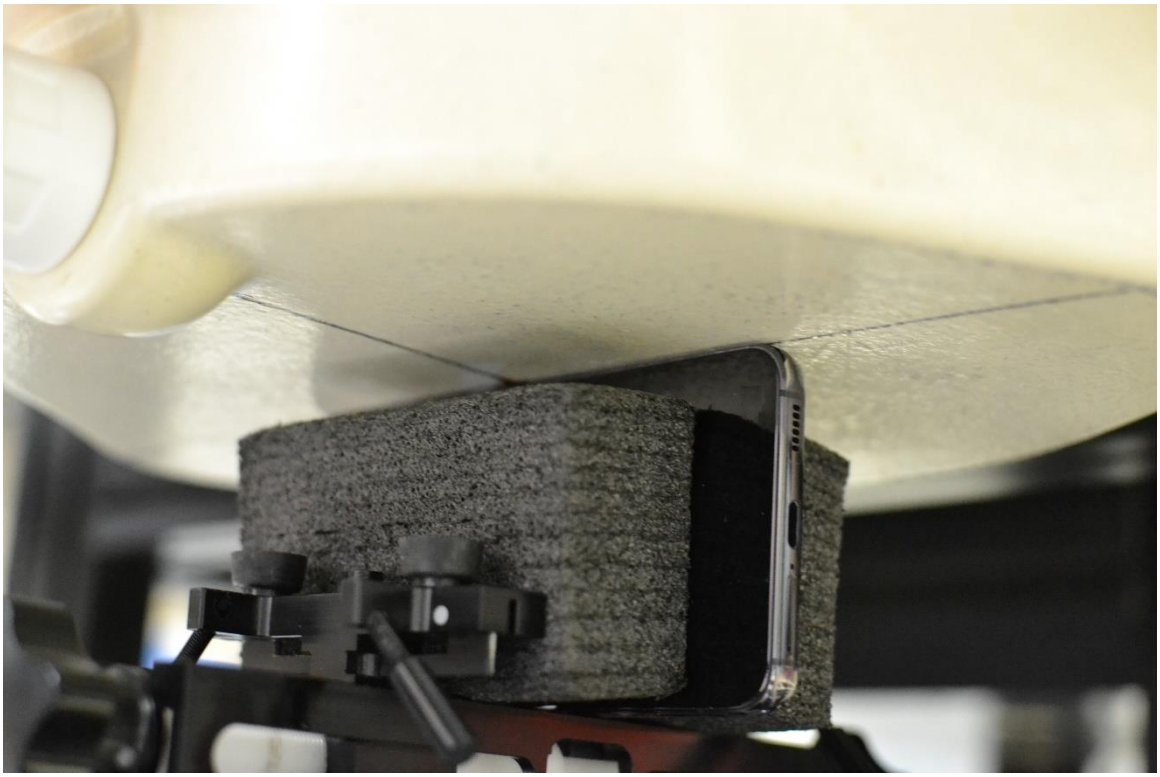


**SAR Test Setup Photo 17 – Hotspot, Right Edge at 10mm**



**SAR Test Setup Photo 18 – Phablet, Right Edge at 0mm**



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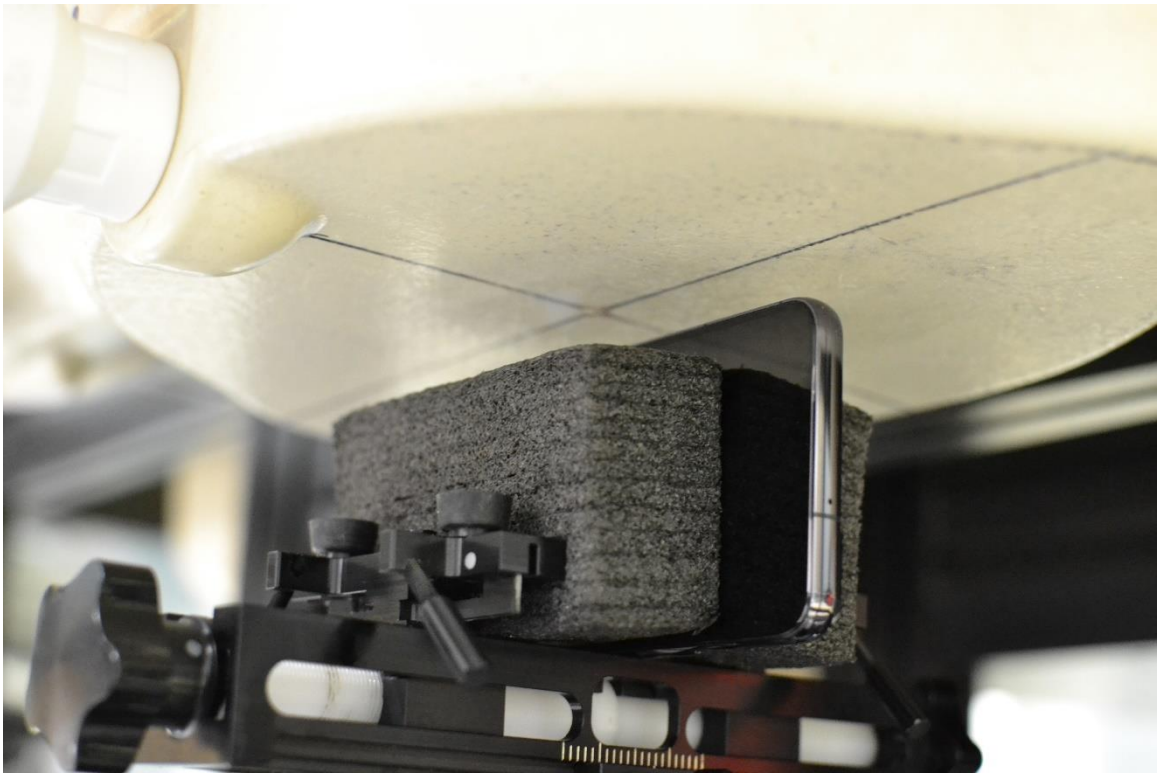
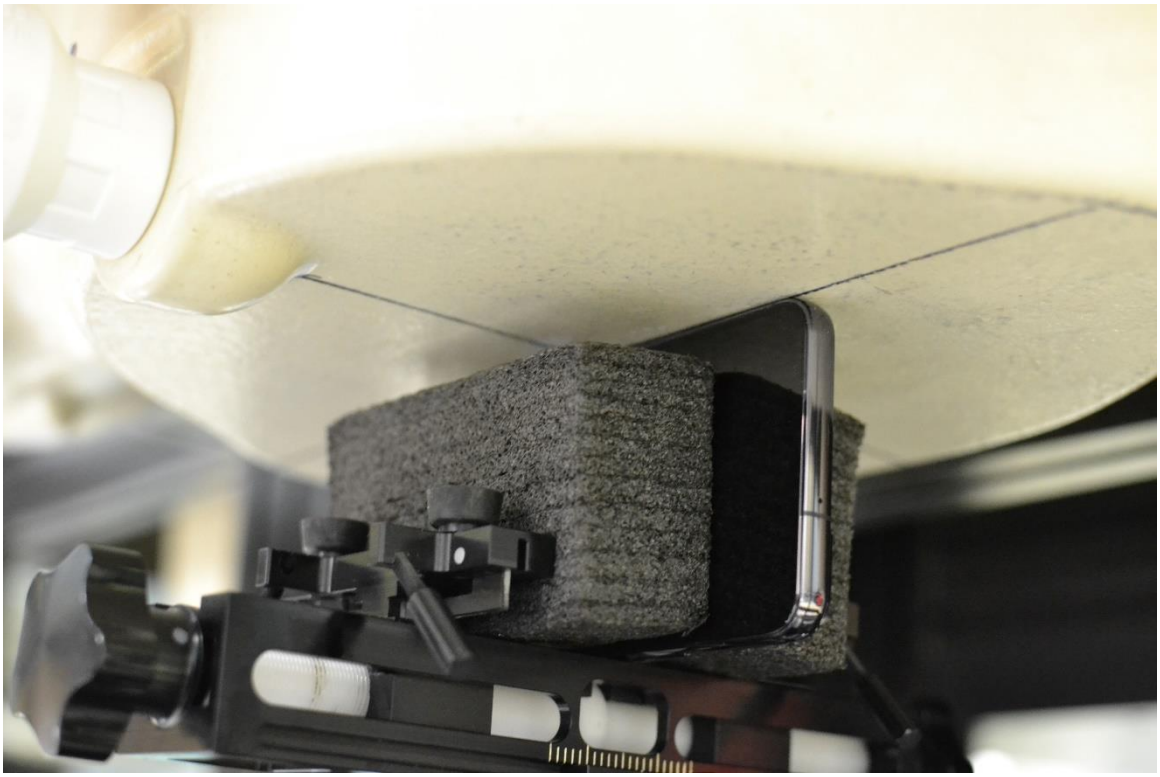


**SAR Test Setup Photo 19 – Hotspot, Left Edge at 10mm**



**SAR Test Setup Photo 20 – Phablet, Left Edge at 0mm**



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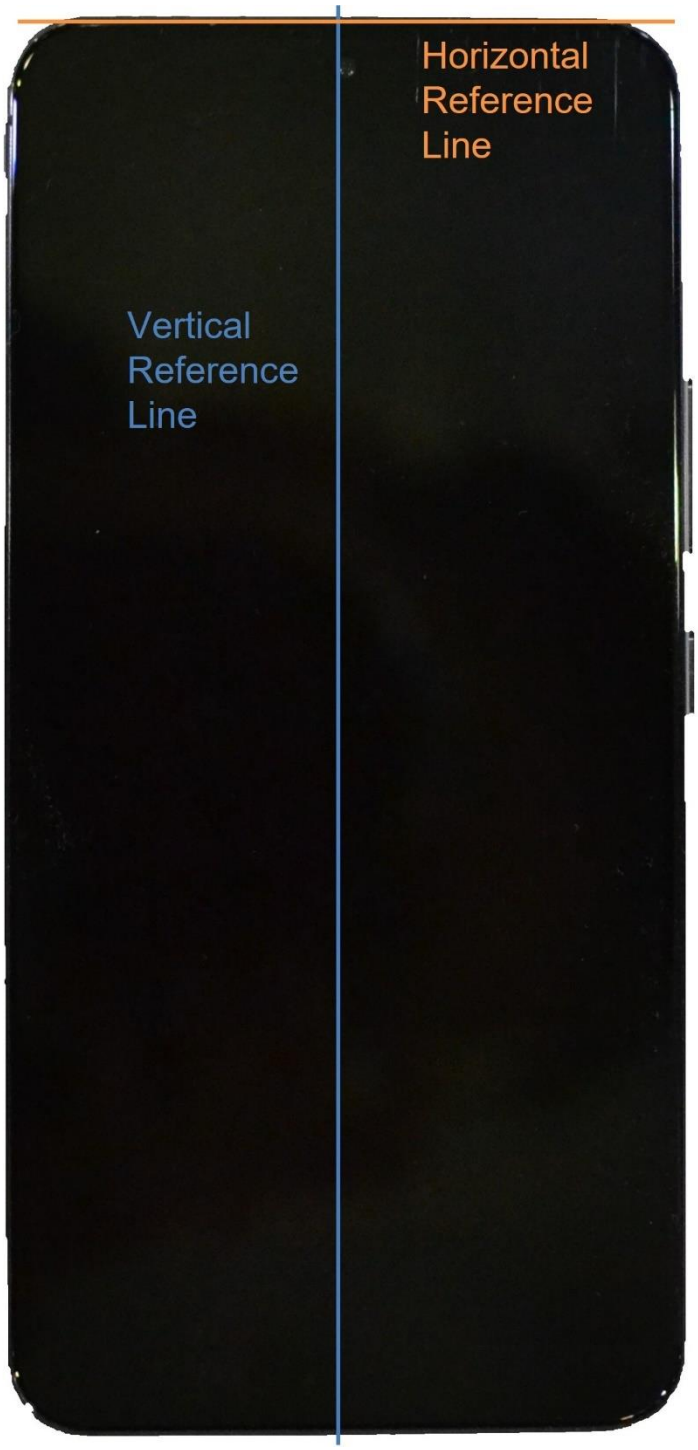


**SAR Test Setup Photo 21 – Reference Lines**



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