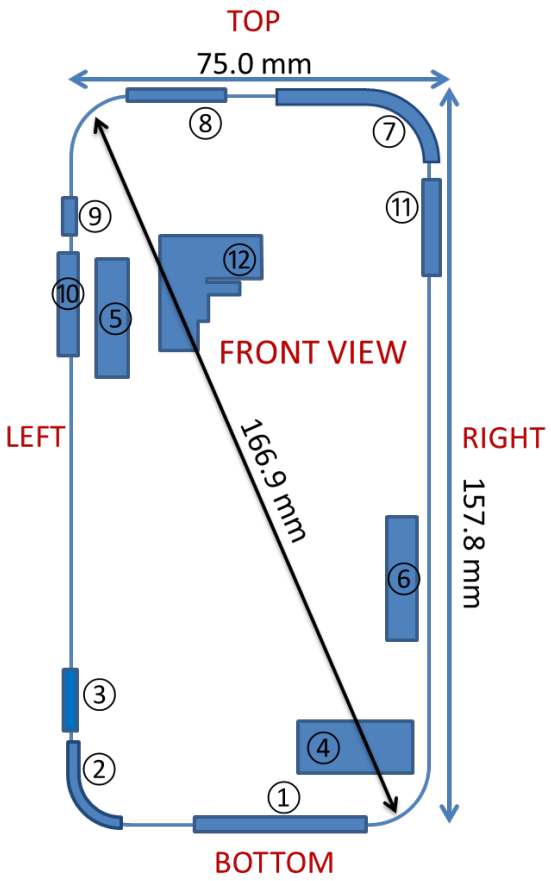
APPENDIX K: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS



① Main Band Antenna I Tx/Rx (Ant A)
1. GSM/GPRS/EDGE 850/1900 MHz
2. UMTS Band II/IV/V
3. LTE Band 2/4/5/12/13/14/25/26/30/66/71
4. LTE B29 (Rx Only)
5. NR Band n2/5/12/25/26/30/66/71
6. NR Band n29 (Rx only)

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

③ Main Band Antenna III Tx/Rx (Ant C)
1. NR Band n48/77 (SRS)
2. LTE Band 2/4/25/30/66 4x4 MIMO (Rx Only)
3. NR Band n2/25/30/66 4x4 MIMO (Rx Only)
4. LTE Band 48 (Rx Only)
5. NR Band n48/77 (Rx Only)

④ Main Band Antenna IV Tx/Rx (Ant D)
1. NR Band n41/48/77 (SRS)
2. LTE Band 41/48 4x4 MIMO (Rx Only)
3. NR Band n41/48/77 4x4 MIMO (Rx Only)

⑤ mmWave Tx/Rx (Ant M)
1. NR mm Wave Band n258/260/261

⑥ mmWave Tx/Rx (Ant N)
1. NR mm Wave Band n258/260/261

⑦ Sub Antenna I Tx/Rx (Ant E)
1. NR Band n41 (SRS)
2. LAA Band 46 (Rx Only)
3. GSM/GPRS/EDGE 850 MHz (Rx Only)
4. UMTS Band V (Rx Only)
5. LTE Band 5/12/13/14/26/29/71 (Rx Only)
6. NR Band n5/12/26/29/71 (Rx Only)
7. NR Band n30/41 4x4 MIMO (Rx Only)
8. LTE Band 30/41 4x4 MIMO (Rx Only)
9. 5 GHz WLAN Ant 2
10. 6 GHz WLAN Ant 2

⑧ Sub Antenna II Tx/Rx (Ant F)
1. LTE Band 2/4/7/25/30/38/41/66 (Tx Hopping)
2. NR Band n38/41/48/77
3. NR Band n2/7/25/30/66 (Tx Hopping)
4. GSM/GPRS/EDGE 1900 MHz (Rx Only)
5. UMTS Band II/IV (Rx Only)
6. LTE Band 2/4/7/25/30/38/41/66 (Rx Only)
7. LTE Band 48
8. NR Band n2/7/25/30/66 (Rx Only)
9. GPS L1 (Rx Only)

⑨ Sub Antenna IV Tx/Rx (Ant H)
1. 2.4 GHz WLAN Ant 1
2. 2.4 GHz Bluetooth Ant 1
3. LTE B2/4/25/66 4x4 MIMO (Rx Only)
4. NR Band n2/25/66 4x4 MIMO (Rx Only)
5. GPS L5
6. 5 GHz WLAN Ant 1
7. 6 GHz WLAN Ant 1
8. LAA Band 46 (Rx Only)

⑩ Sub Antenna V Tx/Rx (Ant I)
1. NR Band n48/77 (SRS)
2. LTE Band 48 4x4 MIMO (Rx Only)
3. NR Band n48/77 4x4 MIMO (Rx Only)
4. UWB Ant 1

⑪ Sub Antenna VI Tx/Rx (Ant J)
1. 2.4 GHz WLAN Ant 2
2. 2.4 GHz Bluetooth Ant 2

⑫ UWB Antenna Tx/Rx
1. UWB Ant 2

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

Figure K-1
DUT Antenna Locations

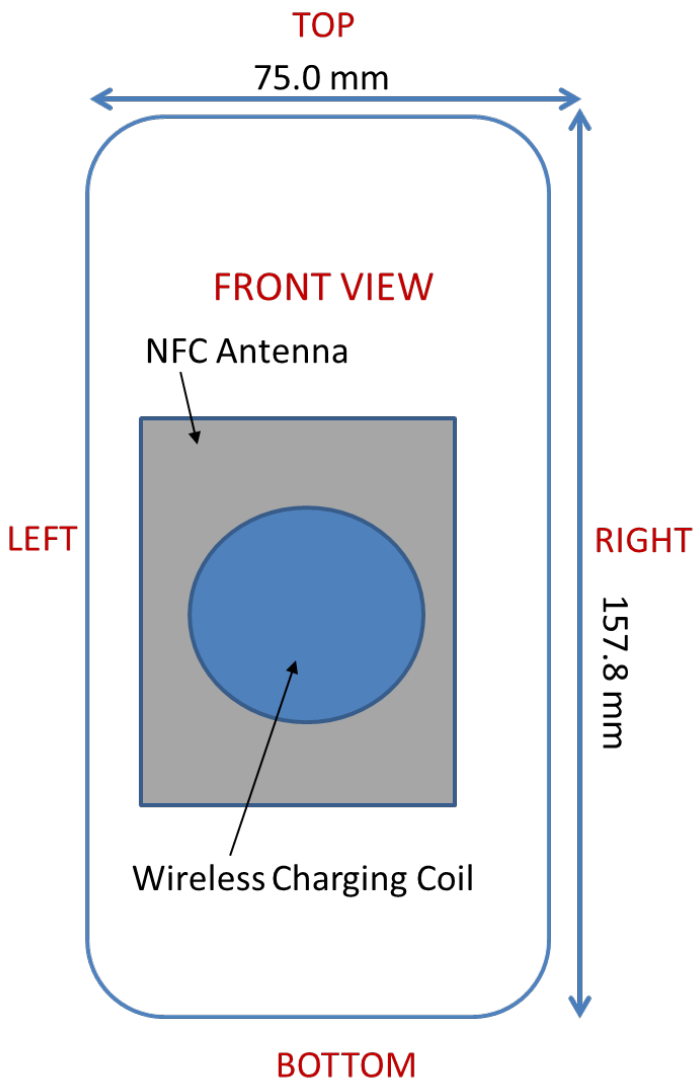
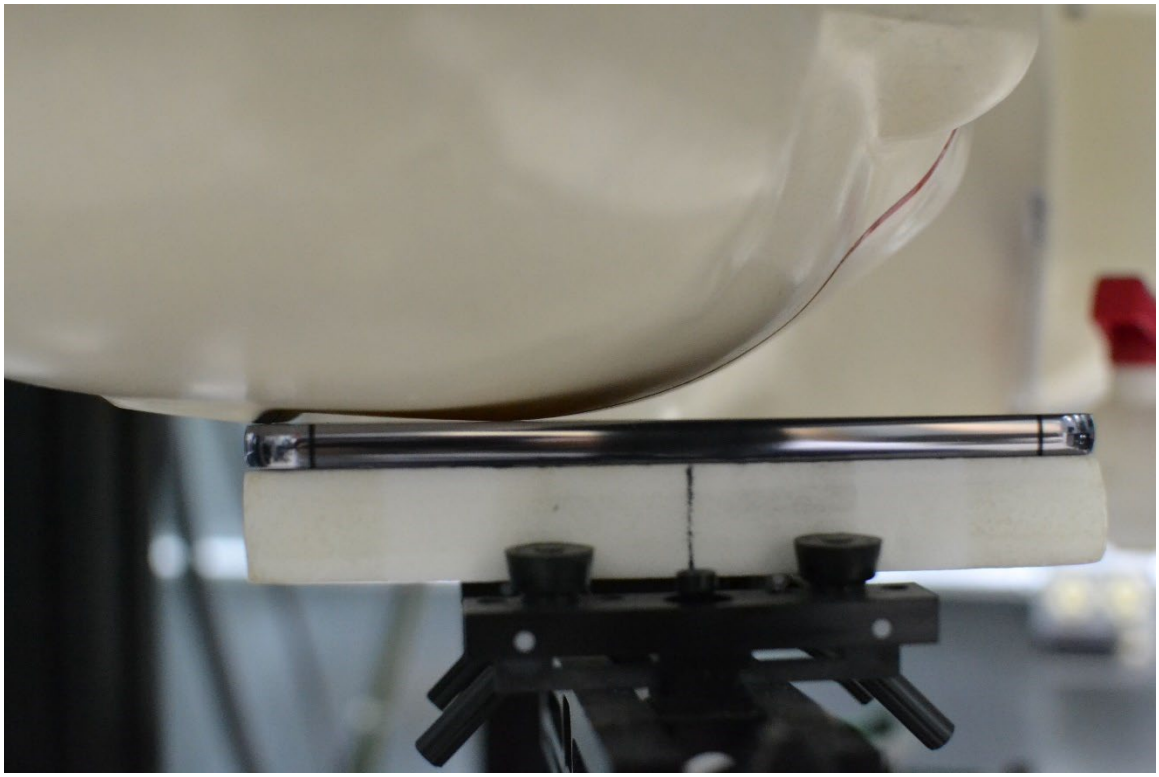
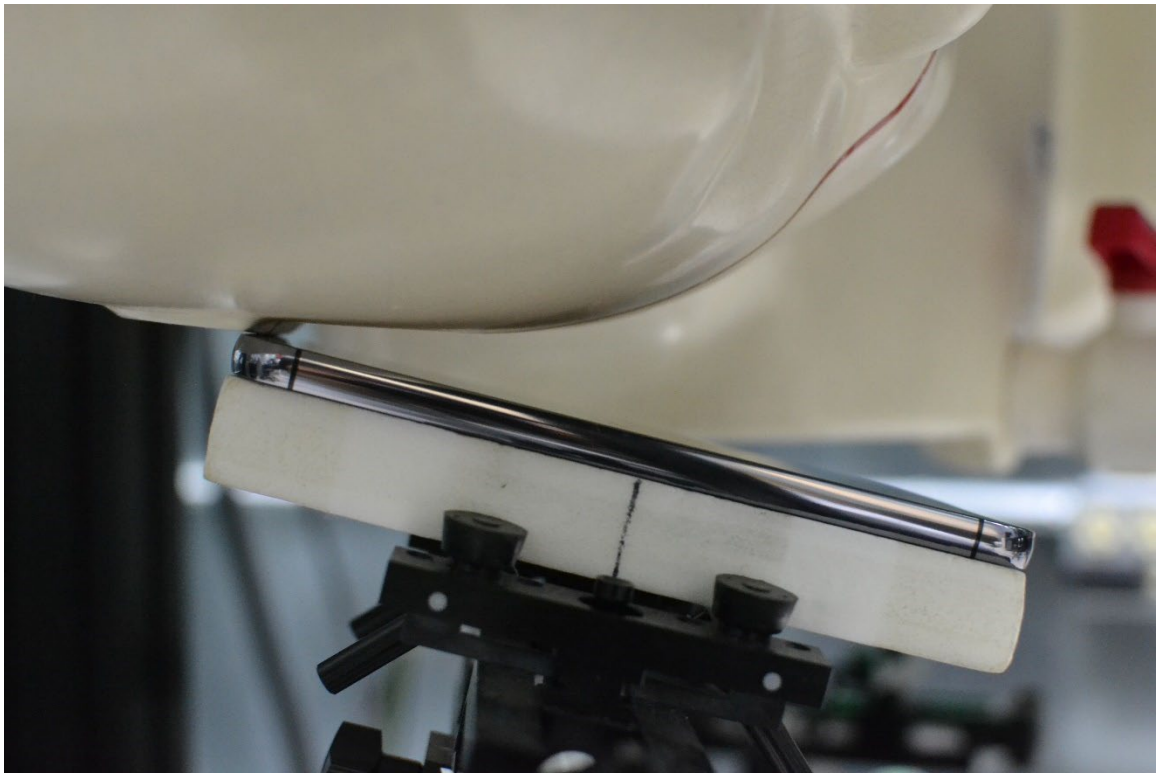


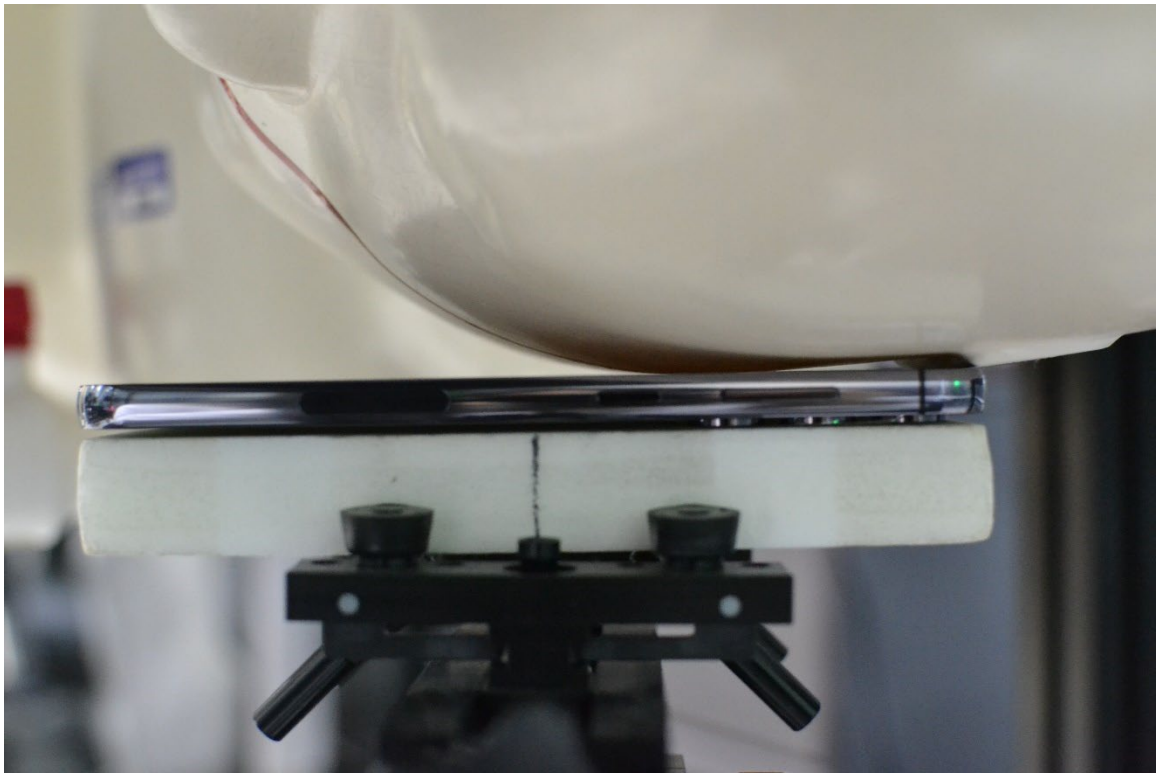
Figure K-2
NFC Antenna Locations



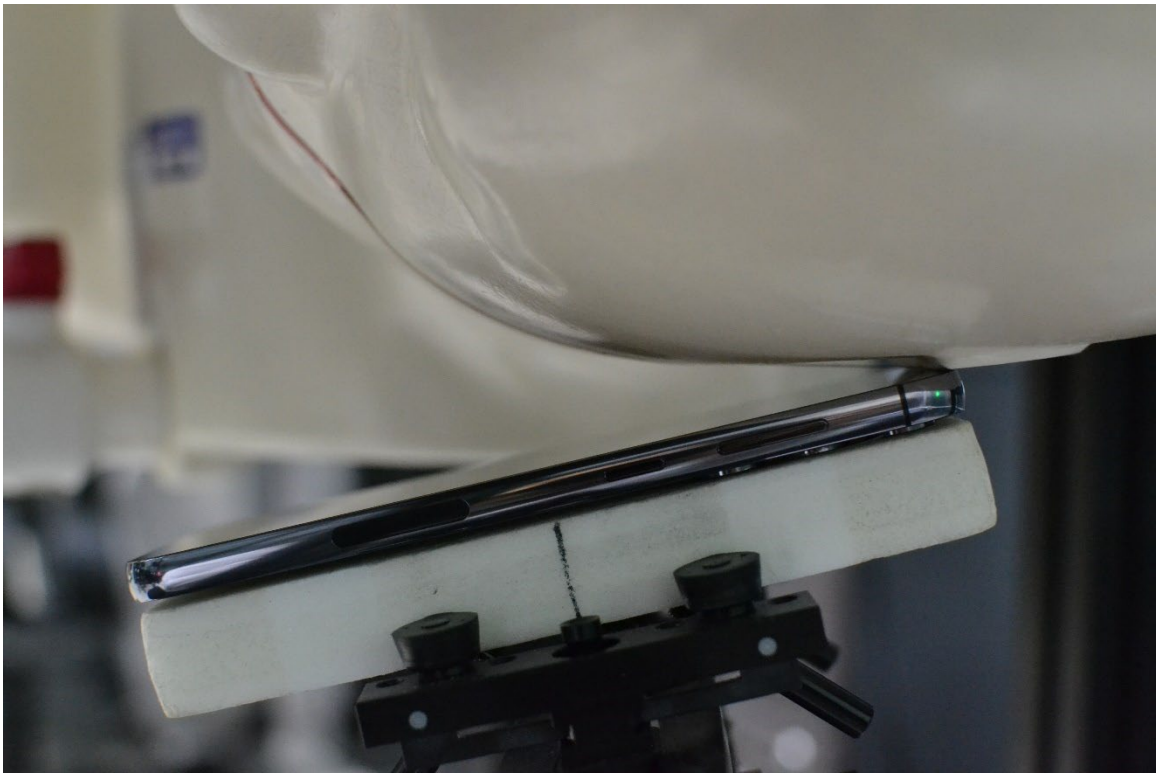
SAR Test Setup Photo 1 – Head, Right Cheek at 0mm



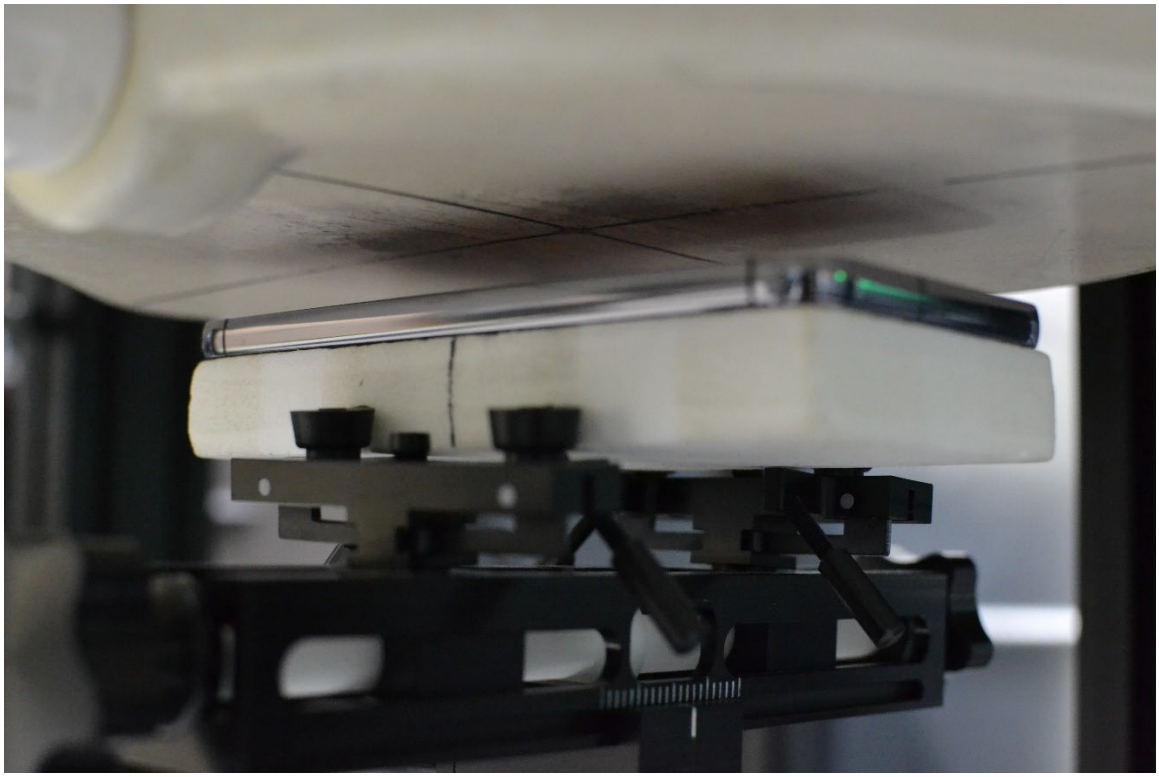
SAR Test Setup Photo 2 – Head, Right Tilt at 0mm



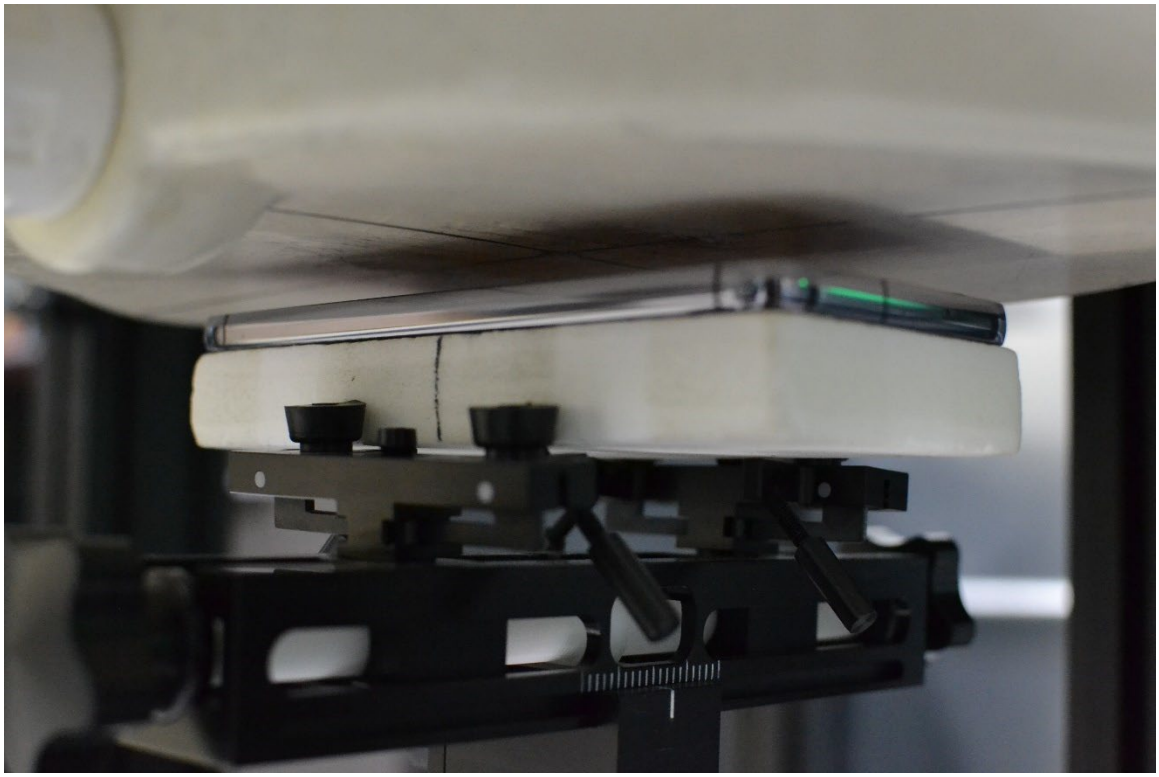
SAR Test Setup Photo 3 – Head, Left Cheek at 0mm



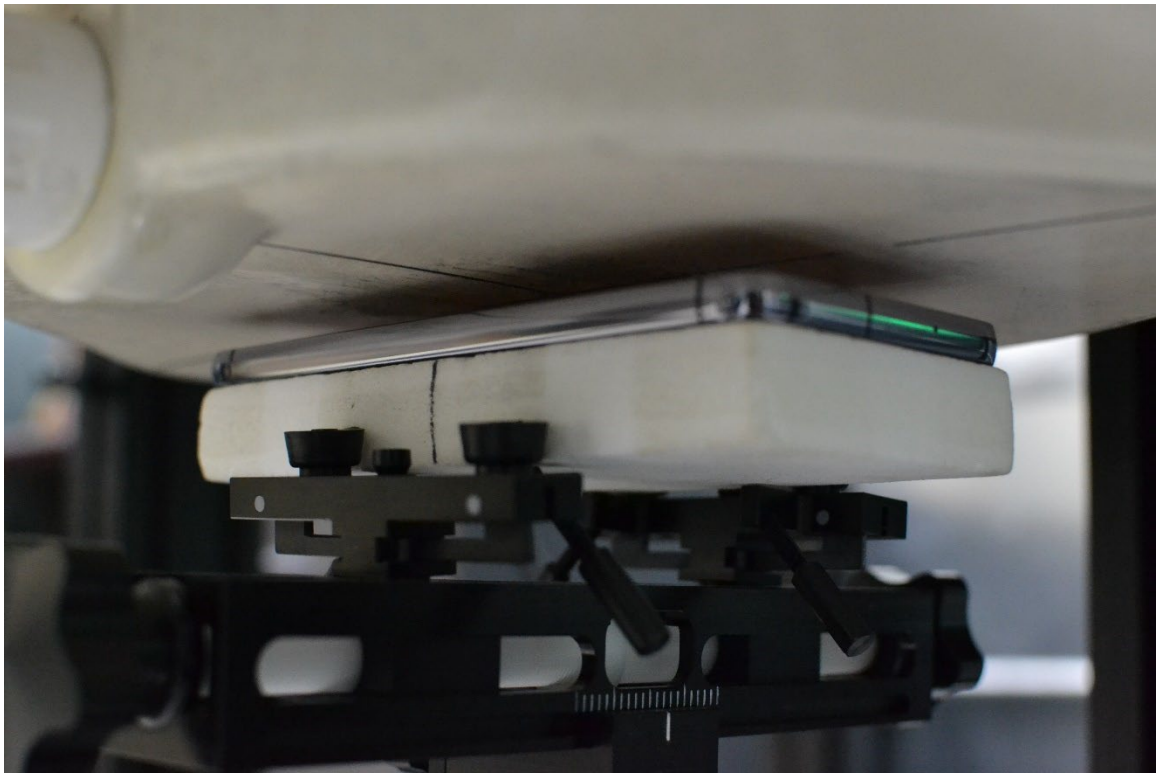
SAR Test Setup Photo 4 – Head, Left Tilt at 0mm



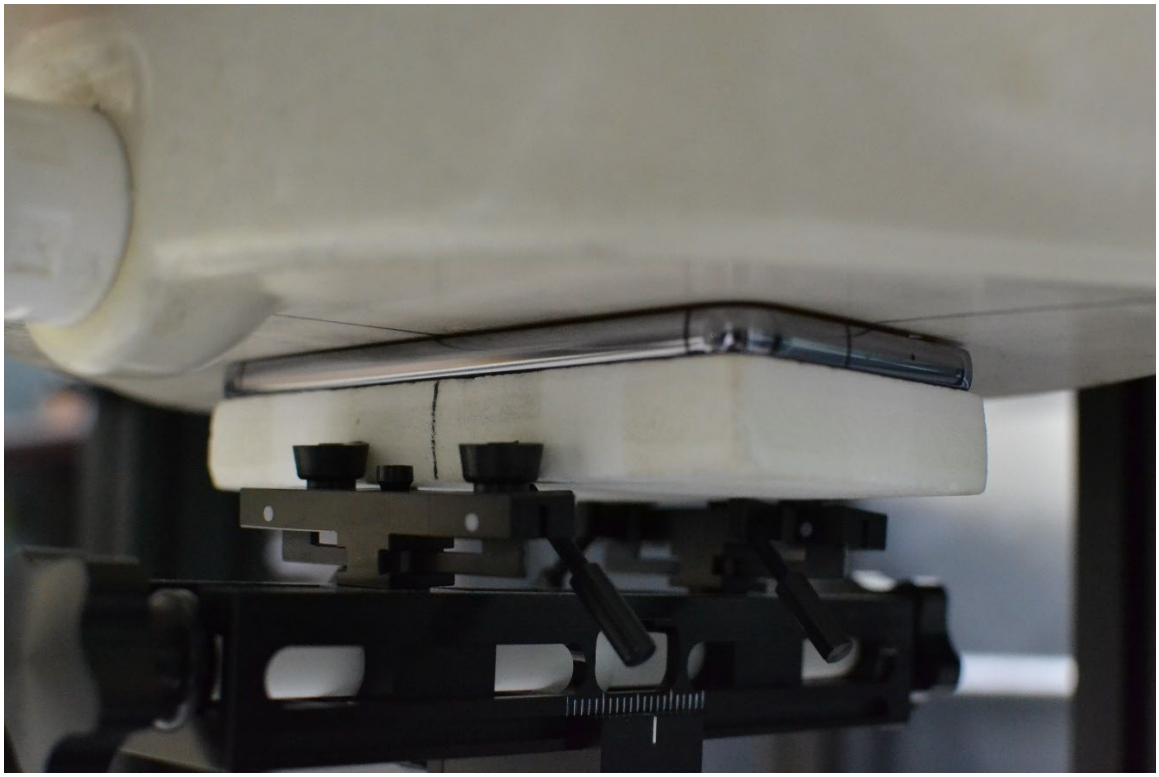
SAR Test Setup Photo 5 – Body-worn, Back Side at 15mm



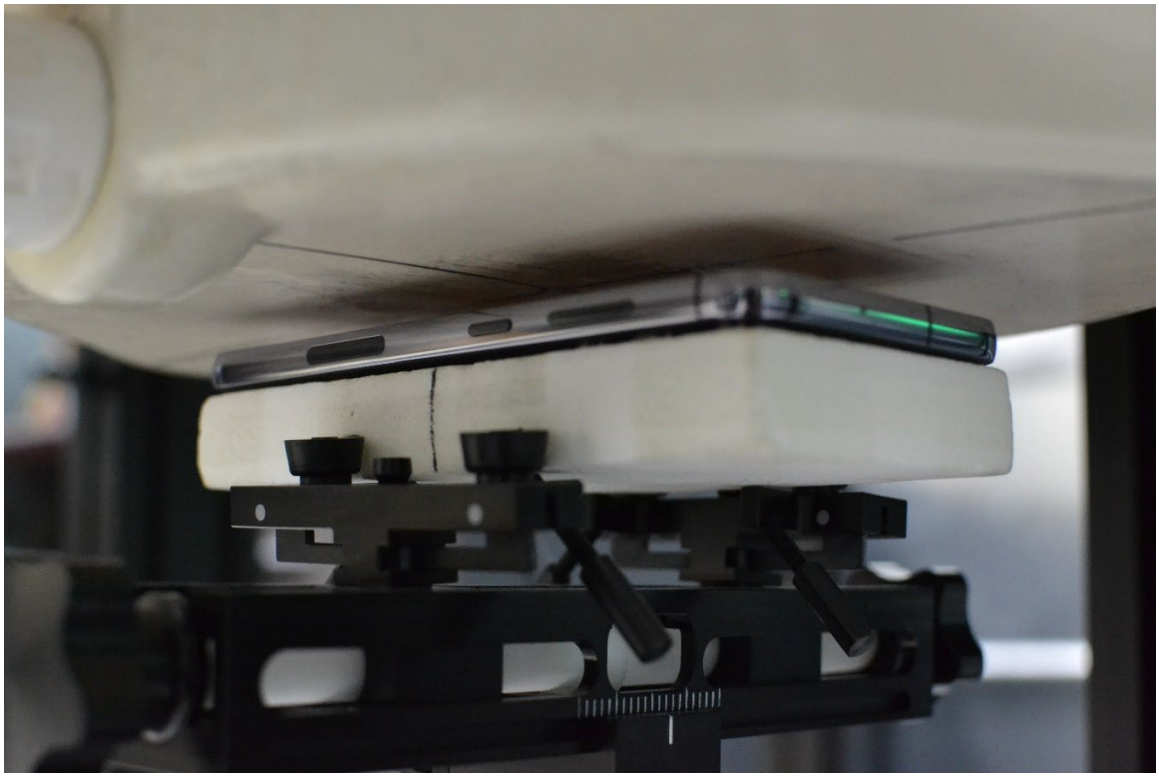
SAR Test Setup Photo 6 – Hotspot, Back Side at 10mm



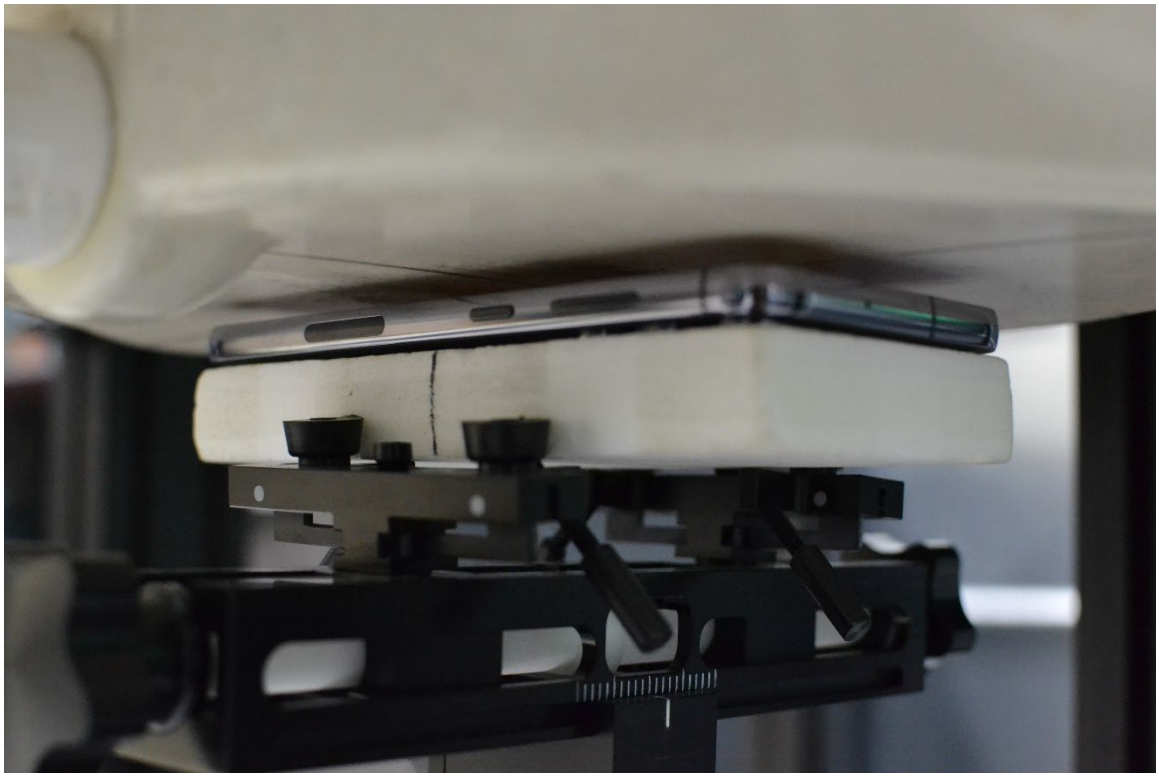
SAR Test Setup Photo 7 – Phablet, Back Side at 8mm



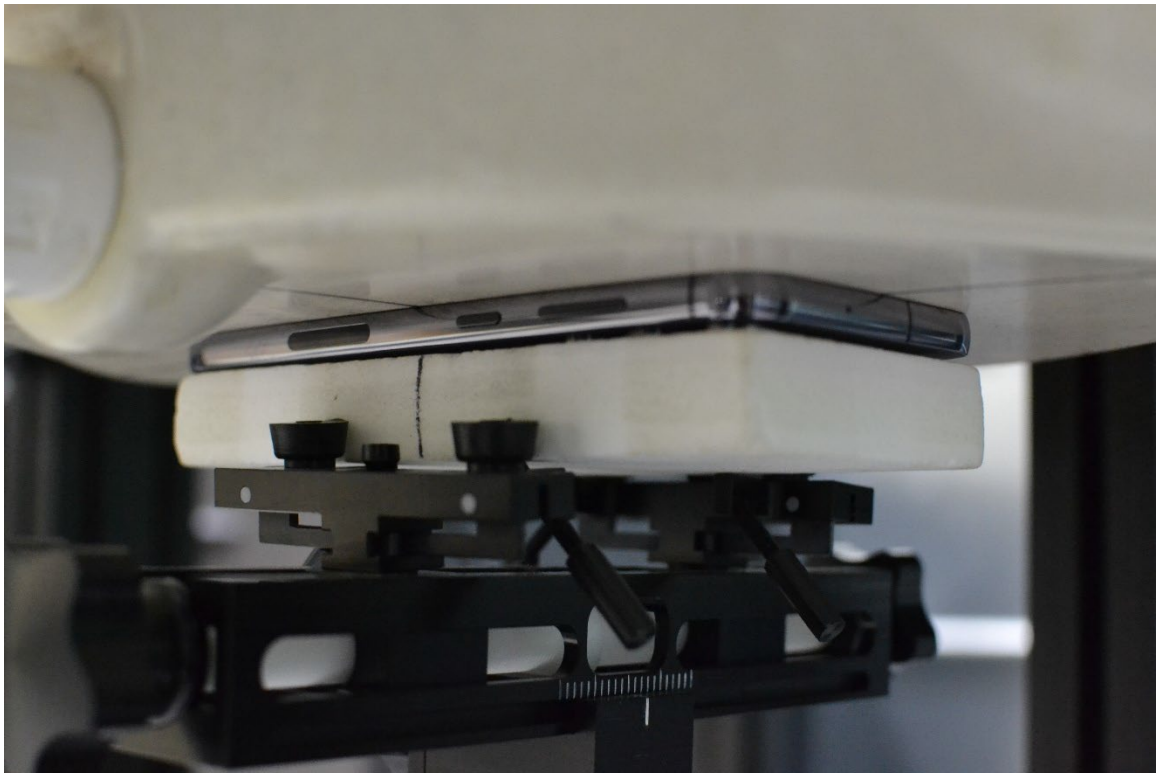
SAR Test Setup Photo 8 – Phablet, Back Side at 0mm



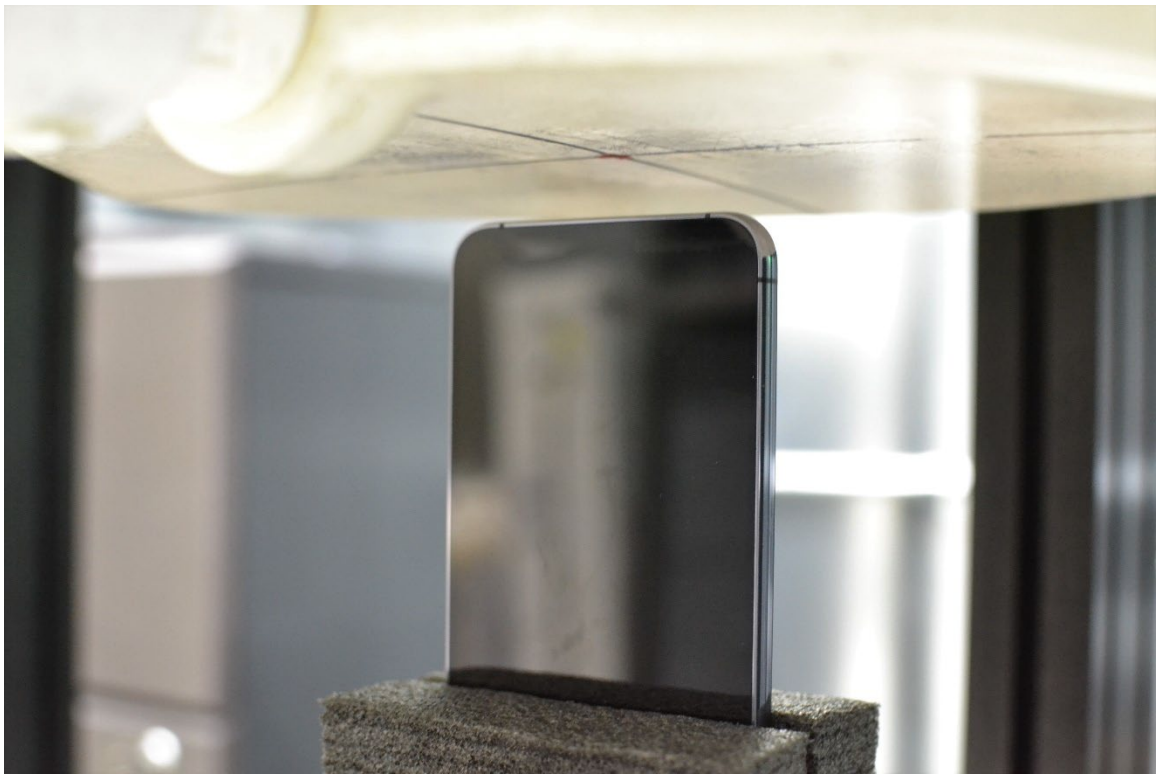
SAR Test Setup Photo 9 – Hotspot, Front Side at 10mm



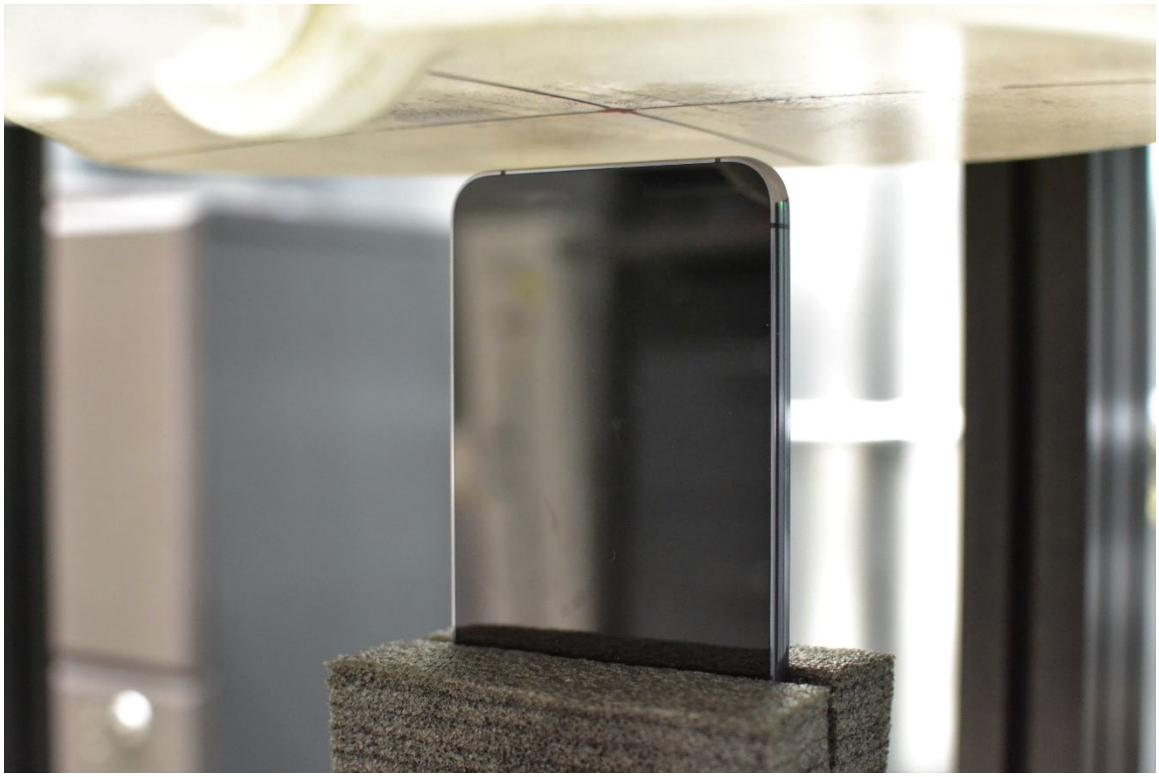
SAR Test Setup Photo 10 – Phablet, Front Side at 7mm



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

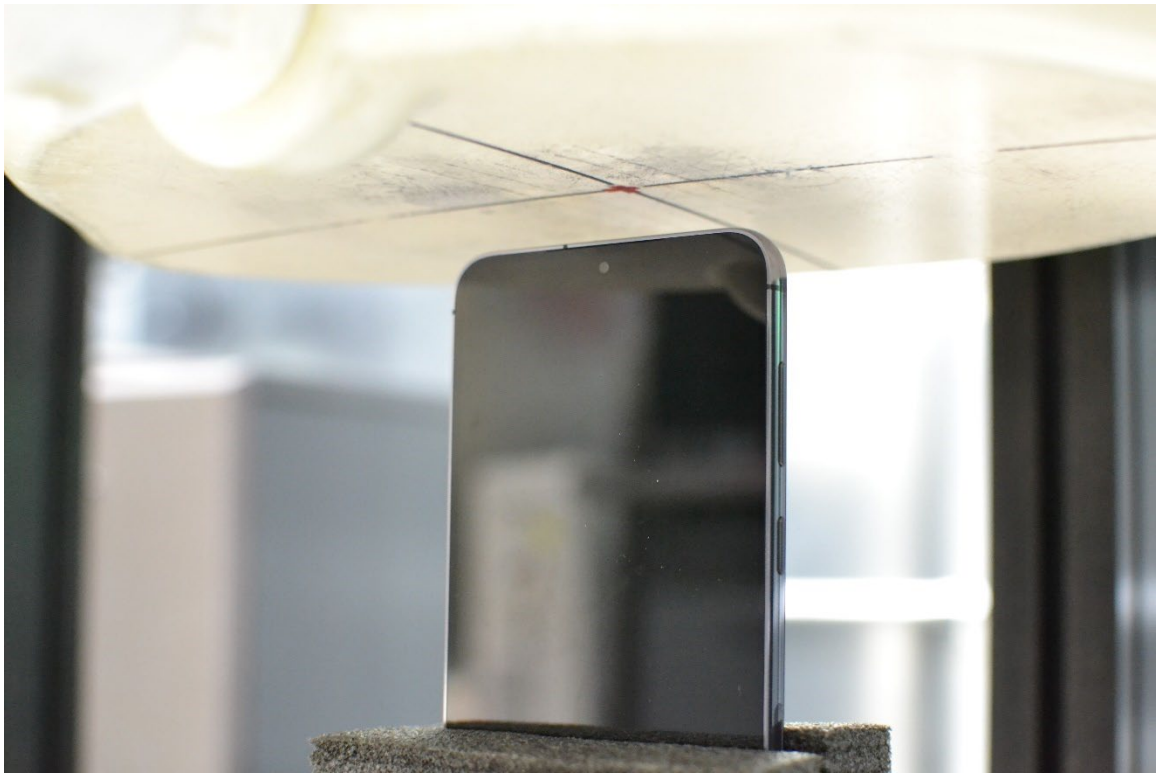


SAR Test Setup Photo 12 – Phablet, Bottom Edge at 12mm

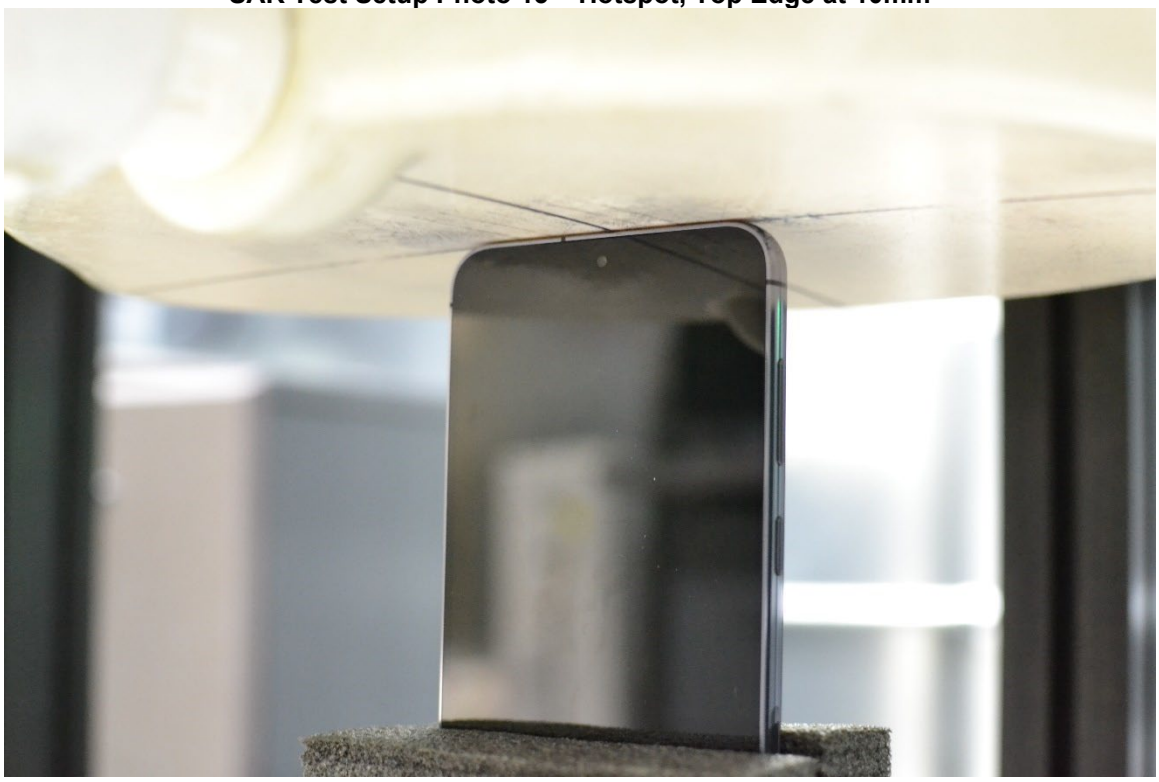


SAR Test Setup Photo 13 – Hotspot, Bottom Edge at 10mm

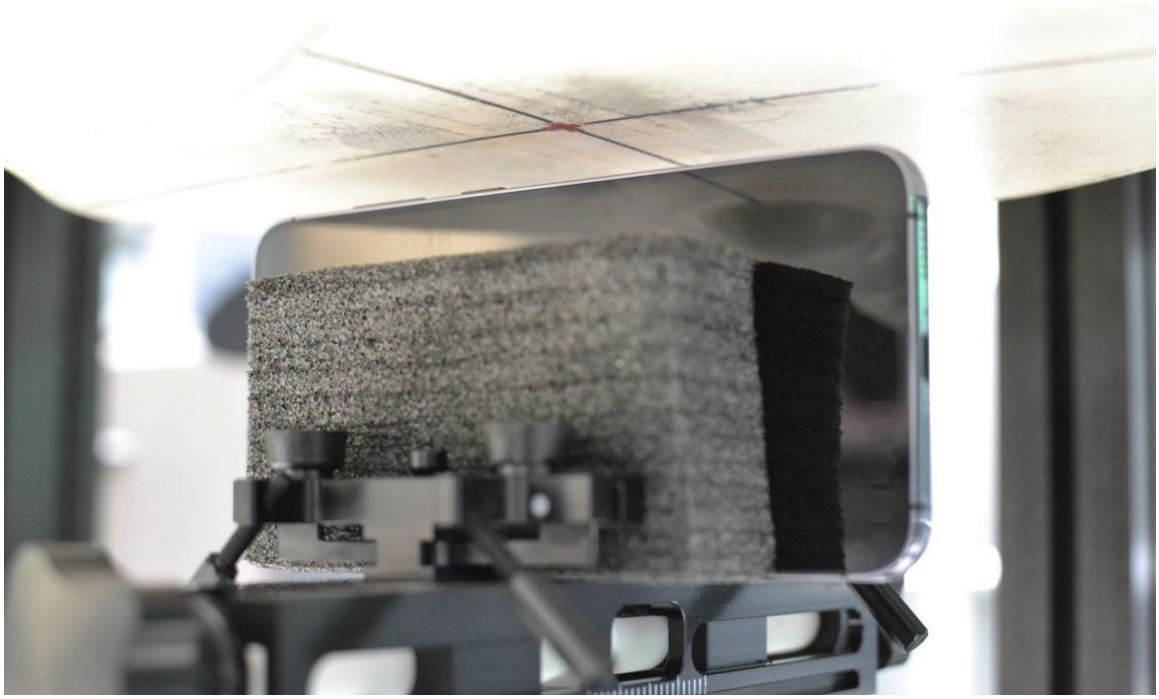
SAR Test Setup Photo 14 – Phablet, Bottom Edge at 0mm



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

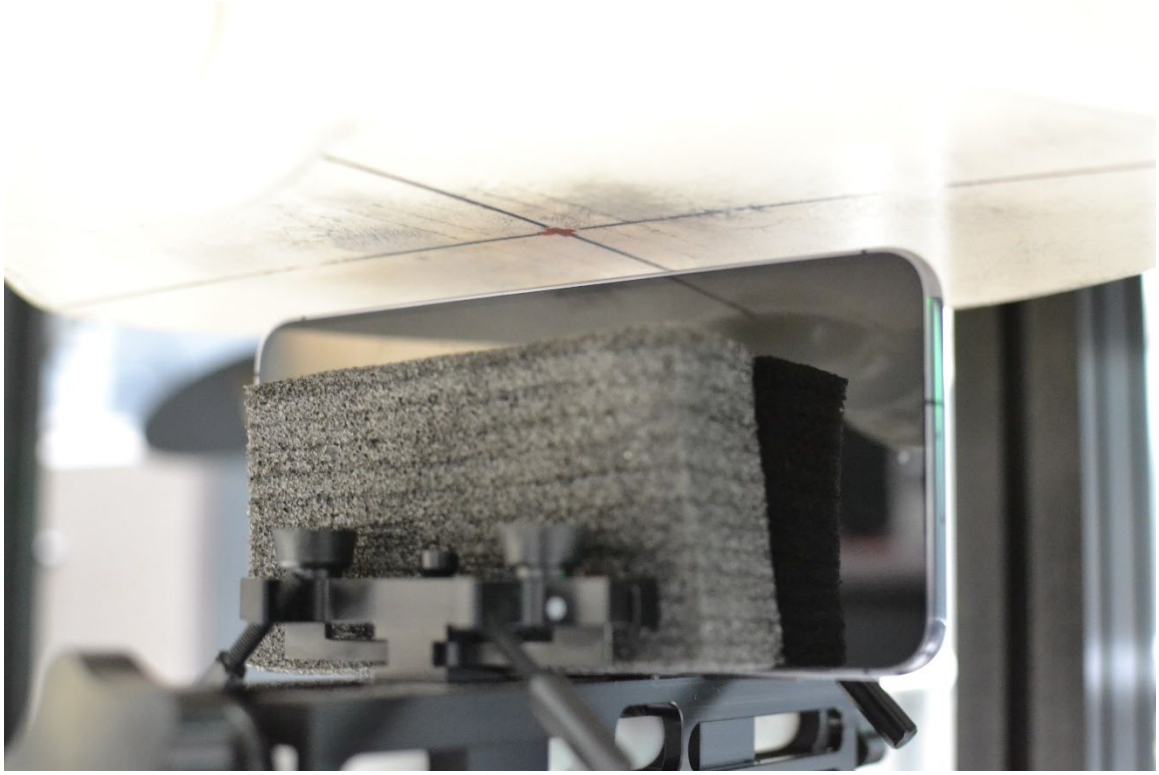


SAR Test Setup Photo 16 – Phablet, Top Edge at 0mm

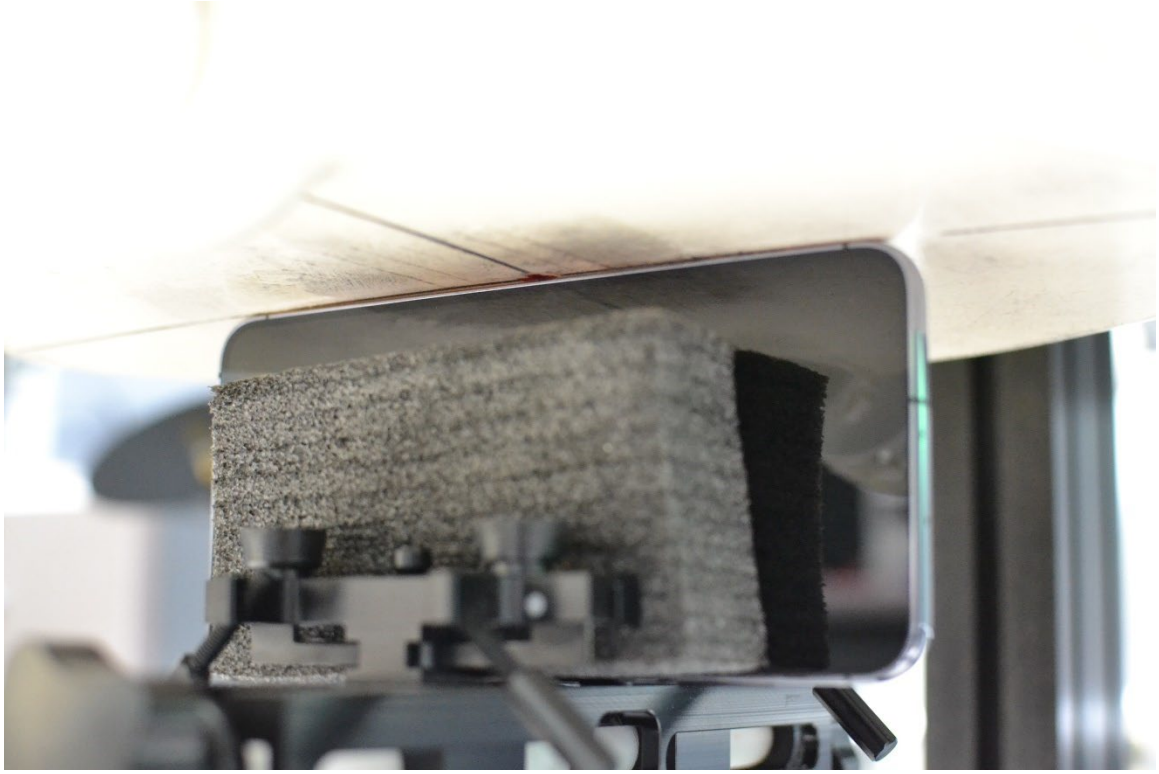


SAR Test Setup Photo 17 – Hotspot, Right Edge at 10mm

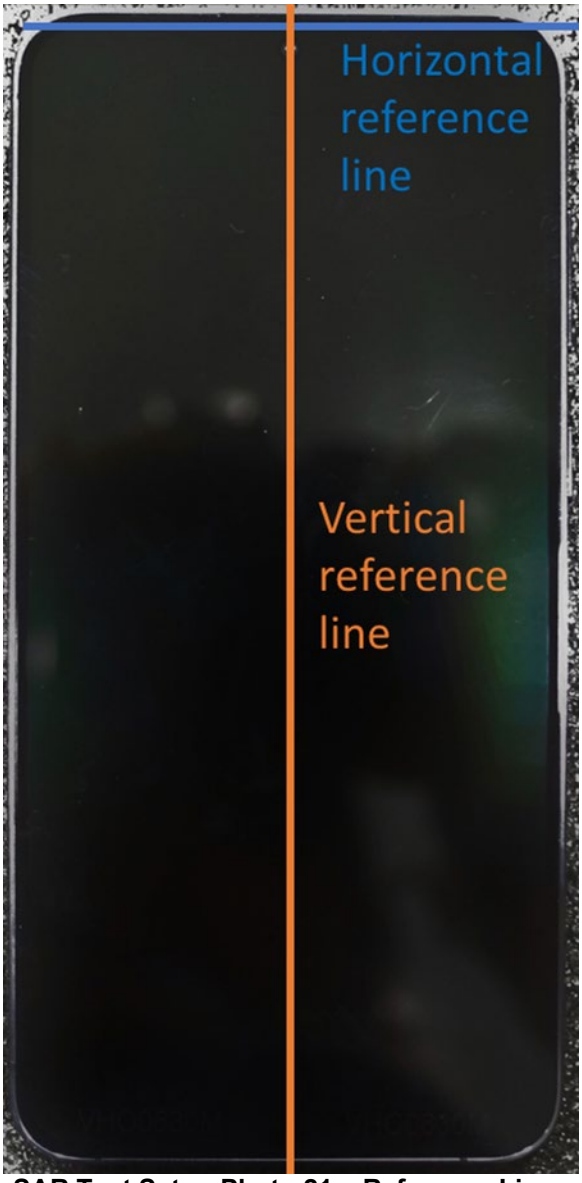
SAR Test Setup Photo 18 – Phablet, Right Edge at 0mm



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



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



SAR Test Setup Photo 21 – Reference Lines