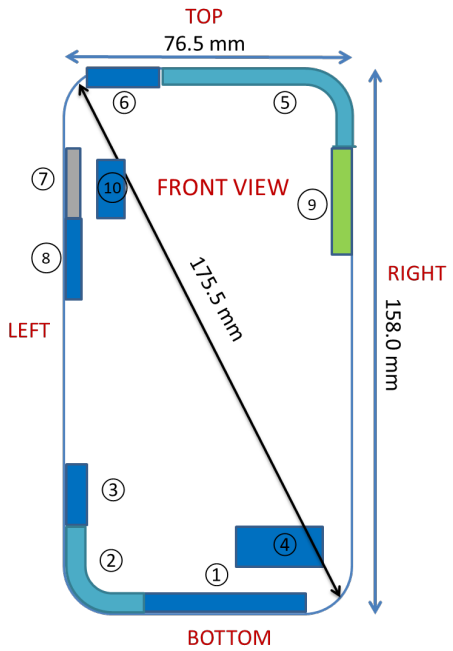
APPENDIX K: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS

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



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. NR Band n2/5/12/25/26/30/66/71
5. LTE Band 29 Rx only
6. NR Band n29 Rx only

② Main Band Antenna II Tx/Rx (Ant B)
1. LTE Band 7/38/41
2. NR Band n41

③ Main Band Antenna III Tx/Rx (Ant C)
1. NR Band n77 (SRS)
2. LTE Band 2/4/25/30/66 (PRx MIMO Only)
3. NR Band n2/25/30/66 (PRx MIMO Only)
4. LTE Band 48 (DRx Only)
5. NR Band n48/77 (DRx Only)

④ Main Band Antenna IV Tx/Rx (Ant D)
1. NR Band n41/77 (SRS)
2. LTE Band 7/41 (PRx MIMO Only)
3. NR Band n41 (PRx MIMO Only)
4. LTE Band 48 (DRx MIMO Only)
5. NR Band n48/77 (DRx MIMO Only)

⑤ Sub Antenna I Tx/Rx (Ant E)
1. NR Band n41 (SRS)
2. GSM/GPRS/EDGE 850 (DRx Only)
3. UMTS Band V (DRx Only)
4. LTE Band 5/12/13/14/26/29/71 (DRx Only)
5. NR Band n5/12/26/29/71 (DRx Only)
6. LTE Band 7/30/41 (DRx MIMO Only)
7. NR Band n30/41 (DRx MIMO Only)
8. 5G/6G Wi-Fi Ant 2

⑥ Sub Antenna II Tx/Rx (Ant F)
1. LTE Band 48
2. NR Band n48/77
3. NR Band n41 (SRS)
4. GSM/GPRS/EDGE 1900 MHz (DRx Only)
5. UMTS Band II/IV (DRx Only)
6. LTE Band 2/4/7/25/30/38/41/66 (DRx Only)
7. NR Band n2/25/30/41/66 (DRx Only)
8. GPS L1
9. LTE Band 2/4/7/25/30/38/41/66 (Tx Hopping)
10. NR Band n2/25/30/66 (Tx Hopping)

⑦ Sub Antenna IV Rx Only (Ant H)
1. LTE Band 2/4/25/66 (DRx MIMO Only)
2. NR Band n2/25/66 (DRx MIMO Only)
3. 2.4G/5G/6G Wi-Fi Ant 1
4. Bluetooth Ant 1
5. GPS L5

⑧ Sub Antenna V Tx/Rx (Ant I)
1. NR Band n77 (SRS)
2. LTE Band 48 (PRx MIMO Only)
3. NR Band n48/77 (PRx MIMO Only)

⑨ Sub Antenna VI Tx/Rx (Ant J)
1. 2.4G Wi-Fi Ant 2
2. Bluetooth Ant 2

⑩ mmWave Tx/Rx (Ant M)
1. NR mmW n258/260/261

Figure K-1
DUT Antenna Locations

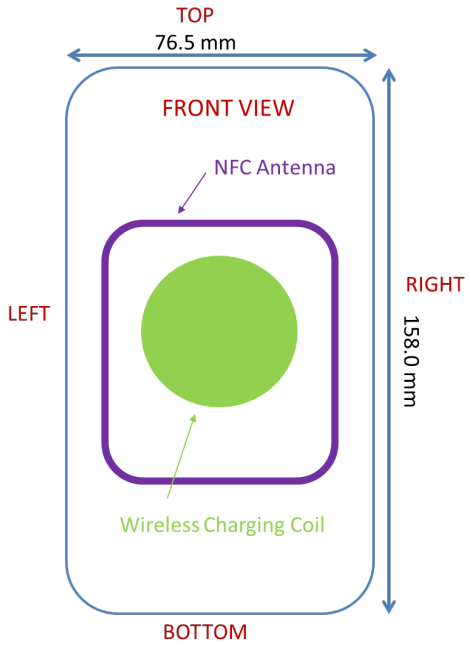
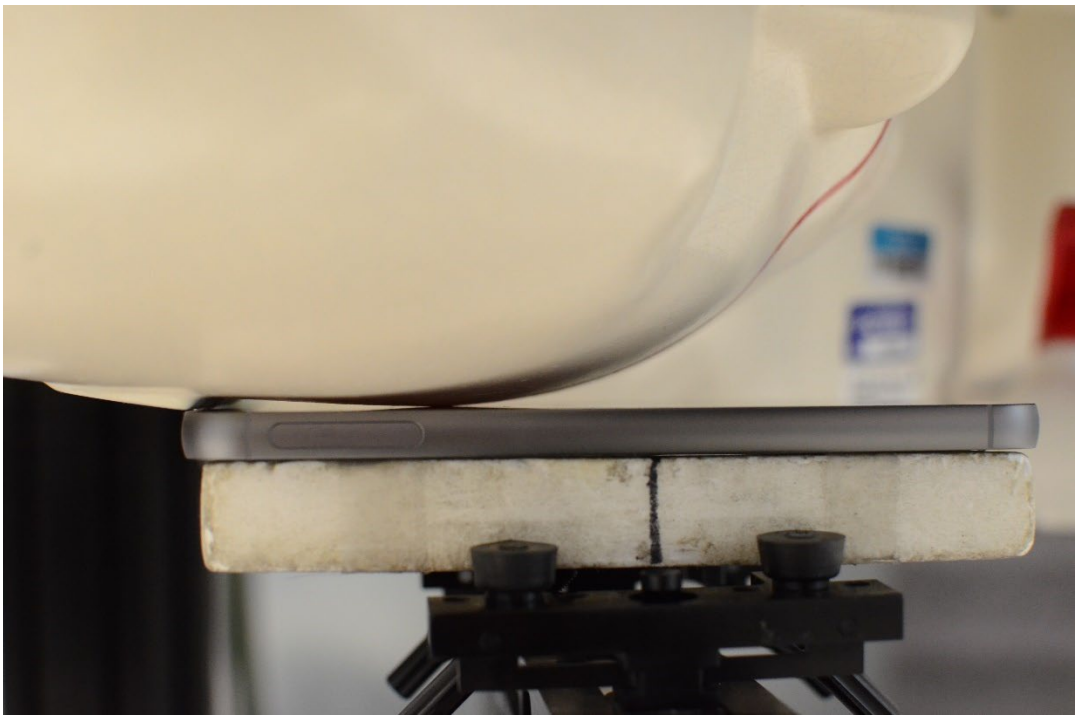
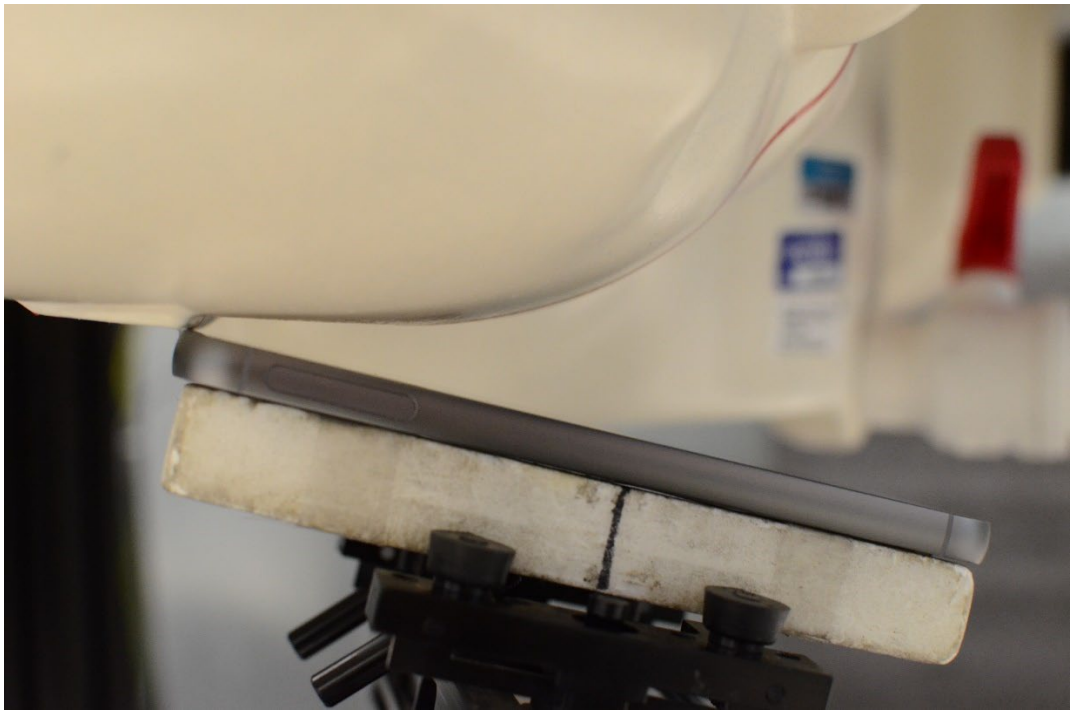


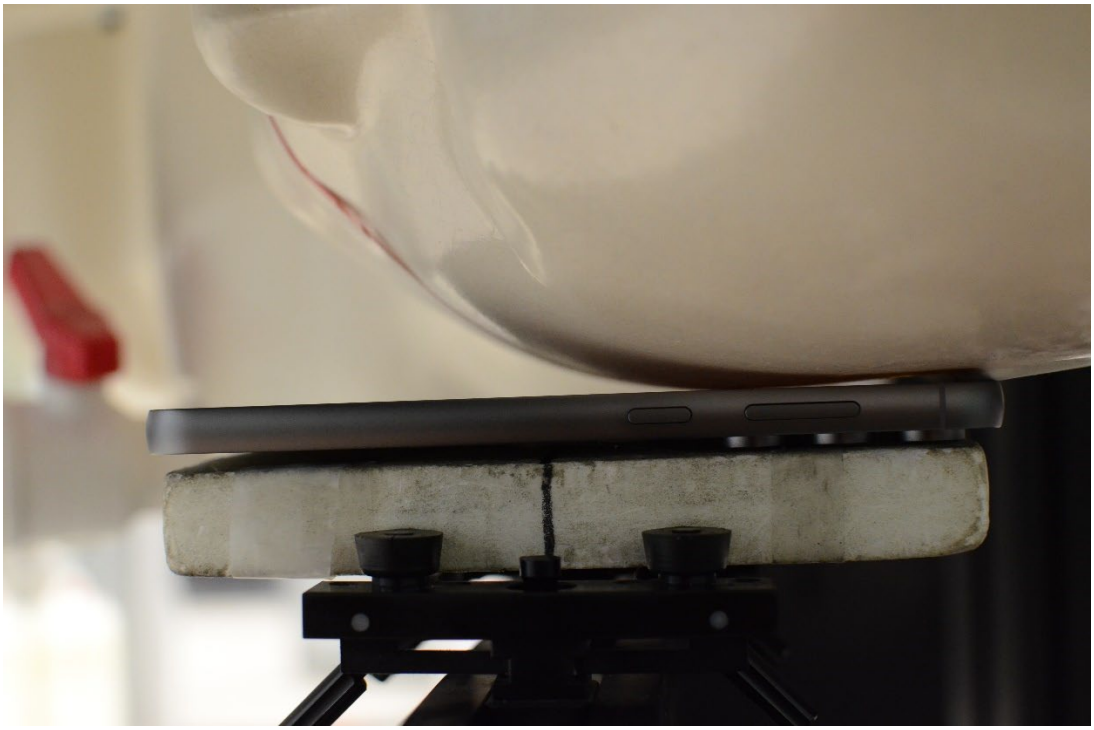
Figure K-2
NFC Antenna Locations



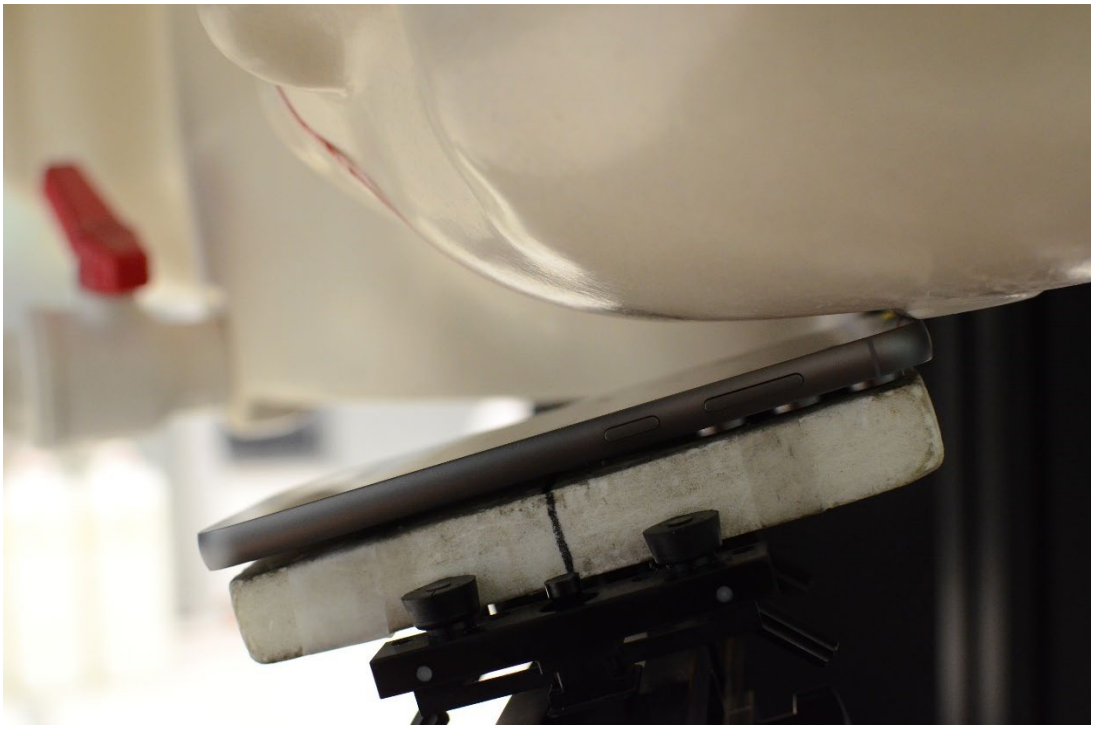
SAR Test Setup Photo 1 – Head, Right Cheek at 0mm



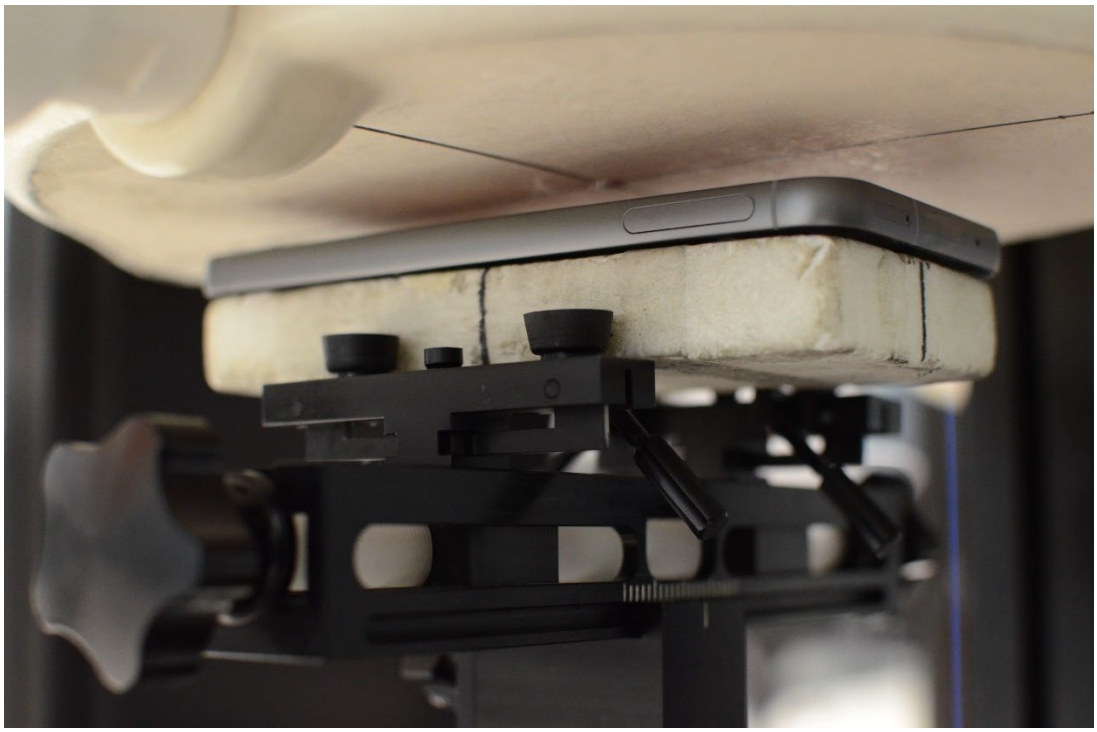
SAR Test Setup Photo 2 – Head, Right Tilt at 0 mm



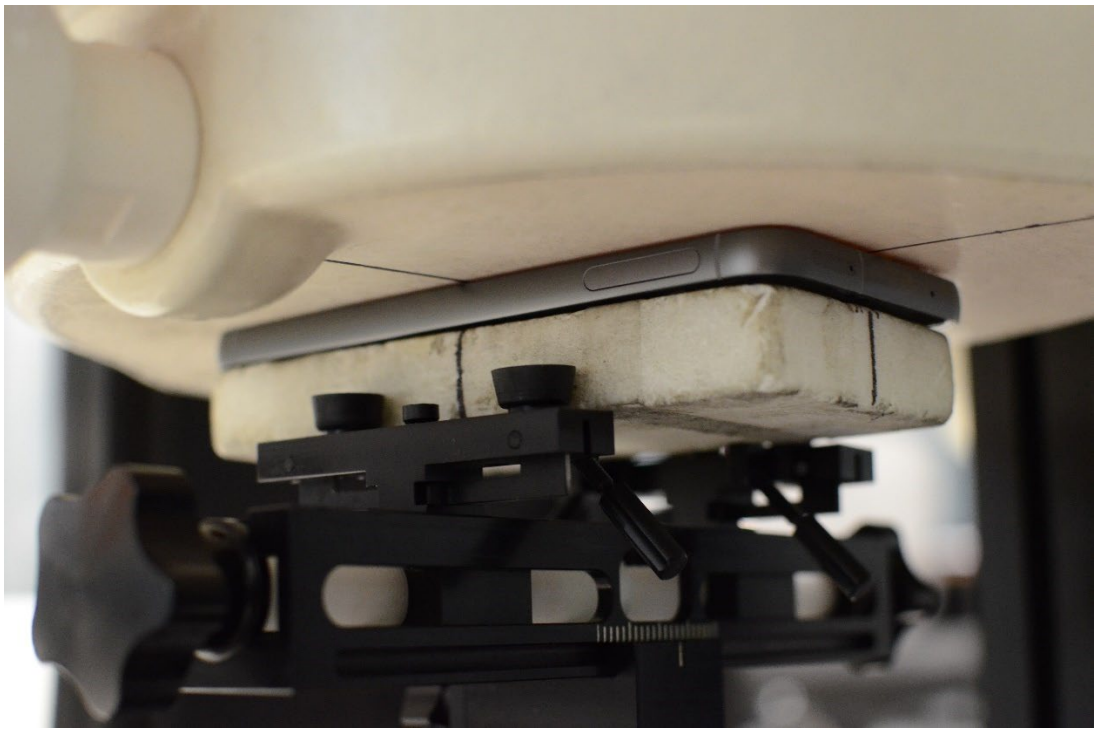
SAR Test Setup Photo 3 – Head, Left Cheek at 0 mm



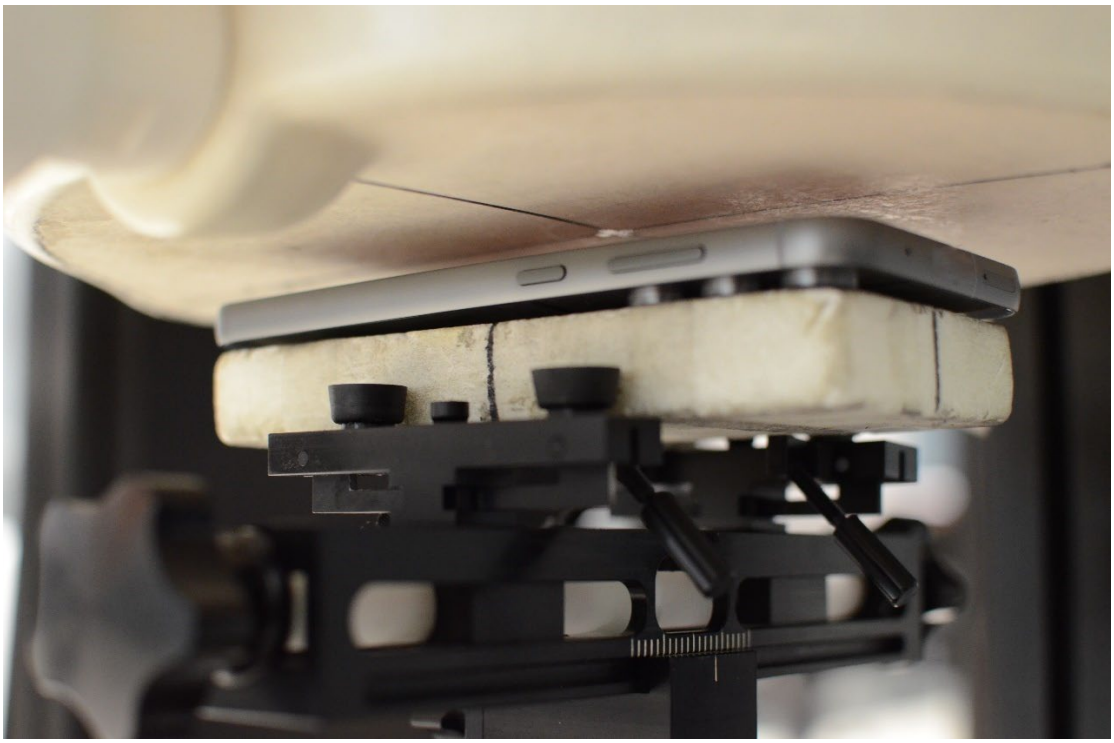
SAR Test Setup Photo 4 – Head, Left Tilt at 0 mm



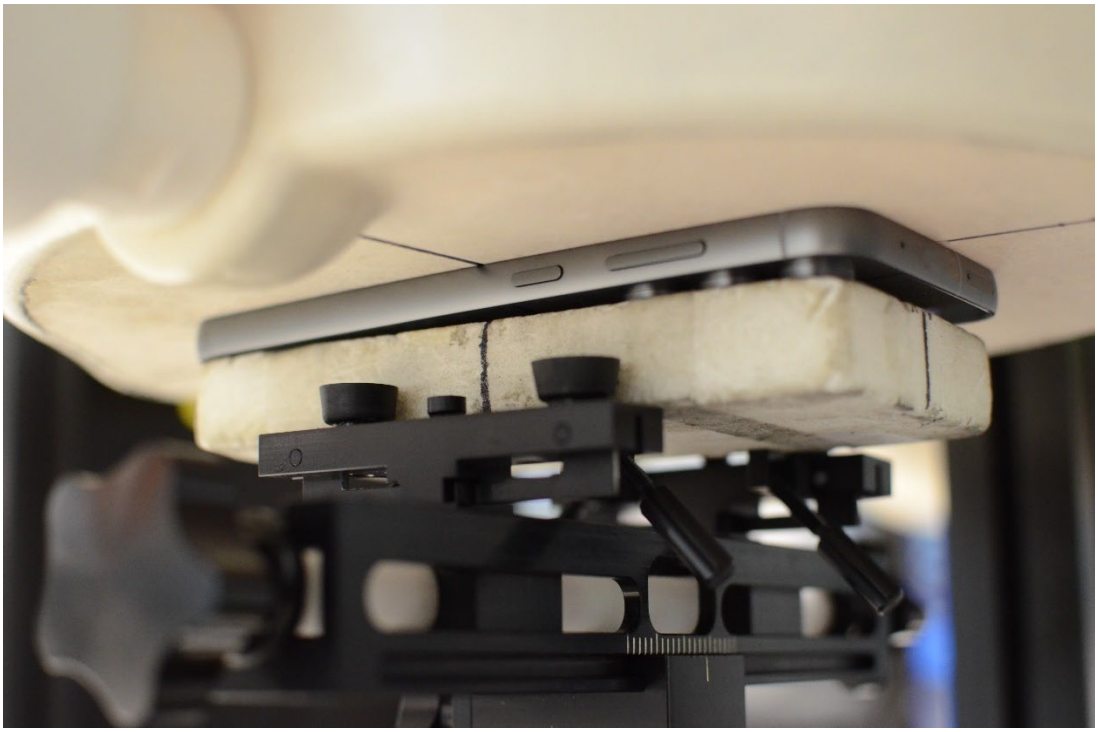
SAR Test Setup Photo 5 – Body-worn/Hotspot, Back Side at 10 mm



SAR Test Setup Photo 6 – Phablet, Back Side at 0 mm

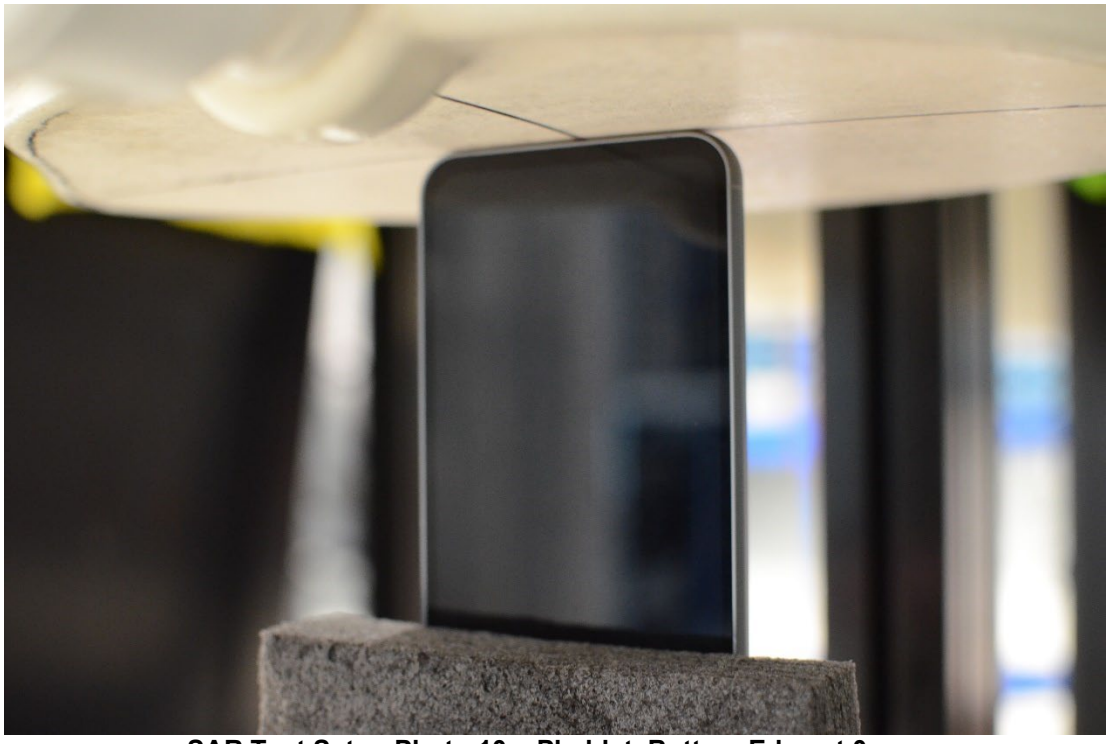


SAR Test Setup Photo 7 – Hotspot, Front Side at 10 mm



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

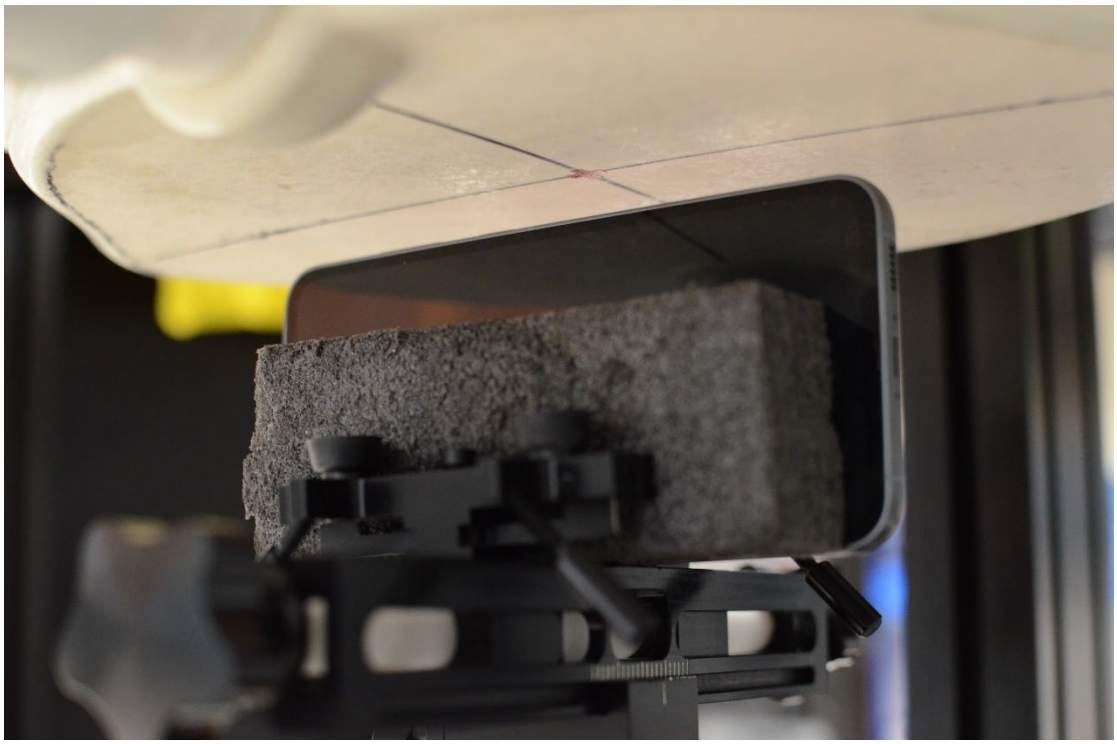
SAR Test Setup Photo 9 – Hotspot, Bottom Edge at 10 mm



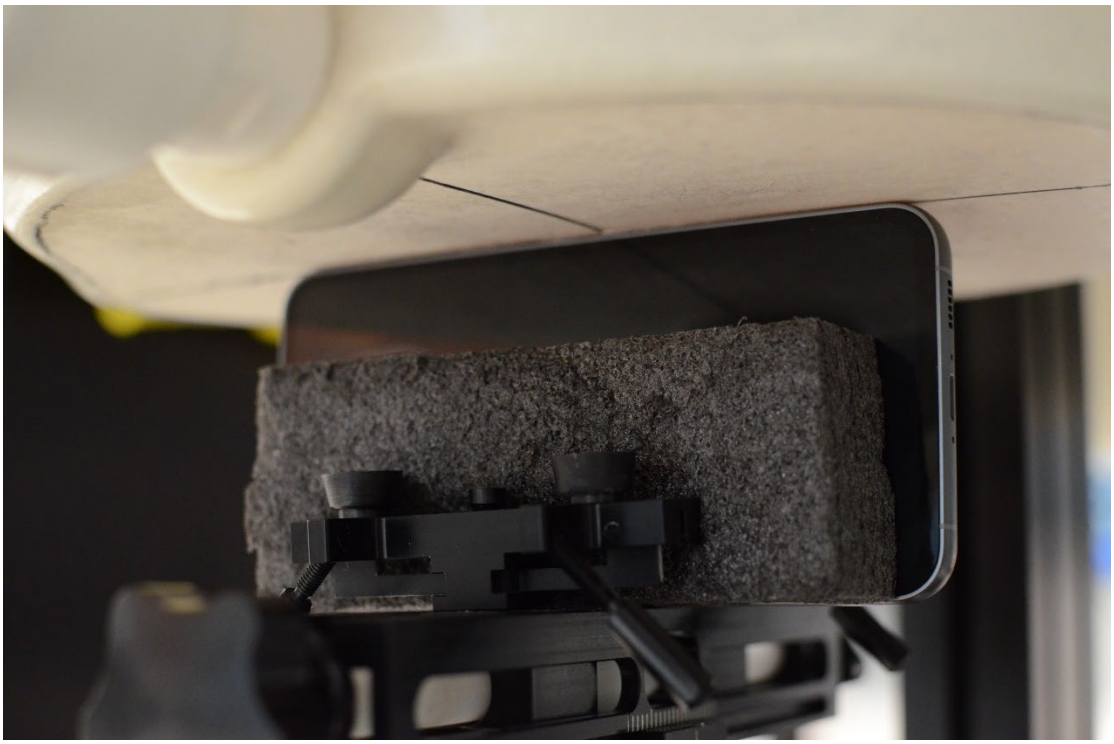
SAR Test Setup Photo 10 – Phablet, Bottom Edge at 0 mm

SAR Test Setup Photo 11 – Hotspot, Top Edge at 10 mm

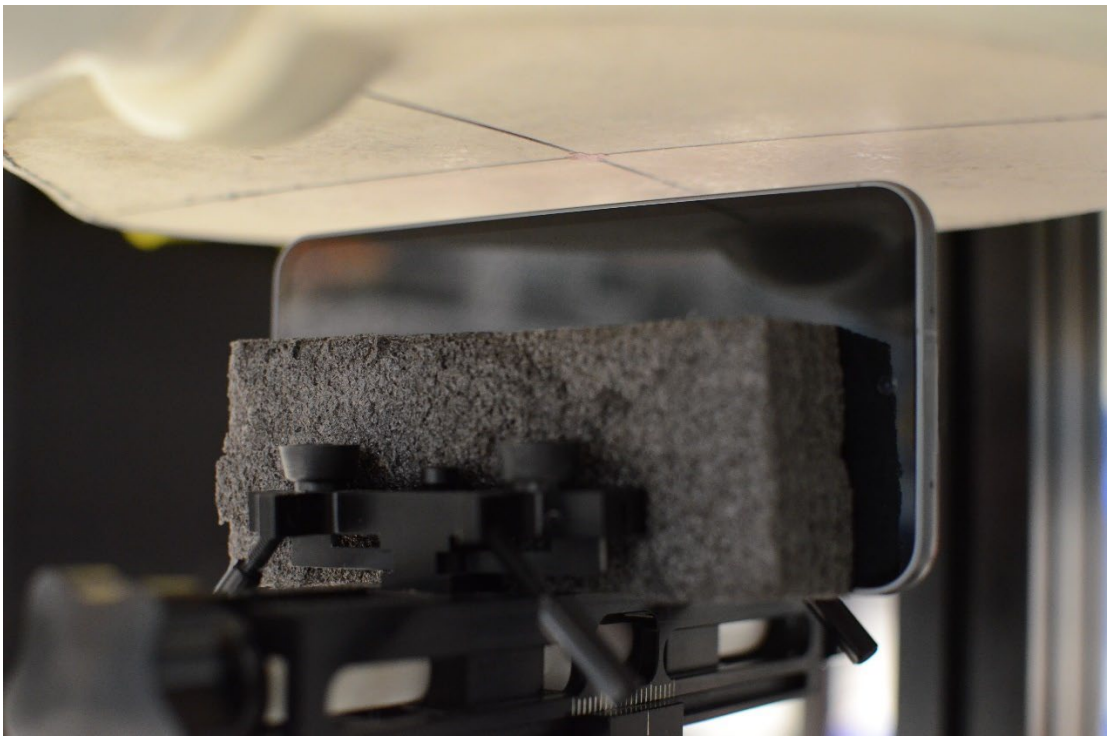
SAR Test Setup Photo 12 – Phablet, Top Edge at 0 mm



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



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



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

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

SAR Test Setup Photo 17 – Reference Lines