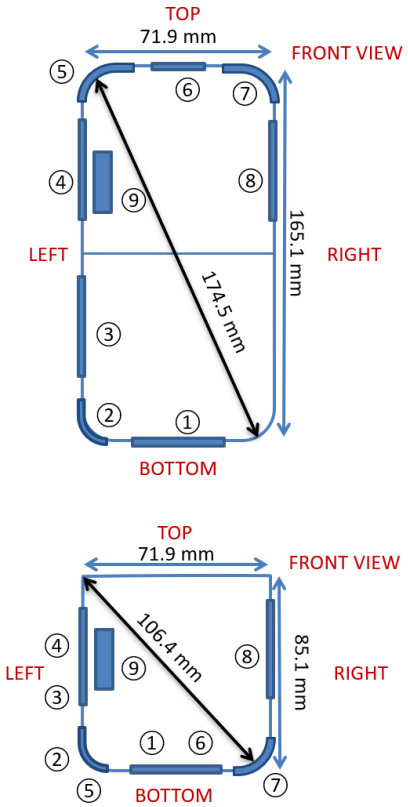
APPENDIX K: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS

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 V
3. LTE Band 2/4/5/12/13/66
4. NR Band n5/66

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

③ Main Band Antenna III Rx Only (Ant C)
1. LTE Band 41 4x4 MIMO (PRx Only)
2. NR Band n41 4x4 MIMO(DRx Only)

④ Sub Antenna I Rx Only (Ant E)
1. GSM 850 (DRx Only)
2. UMTS V (DRx Only)
3. LTE Band 5/12/13 (DRx Only)
4. NR Band n5 (DRx Only)
5. GPS L5

⑤ Sub Antenna II Tx/Rx (Ant F)
1. NR Band n41 4x4 MIMO (PRx Only)
2. LTE Band 41 4x4 MIMO (DRx Only)
3. 2.4G/5G/6G Wi-Fi Ant 1
4. Bluetooth Ant 1 (Switching)

⑥ Sub Antenna III Rx Only (Ant G)
1. Non-US Bands

⑦ Sub Antenna IV Tx/Rx (Ant H)
1. 2.4G/5G/6G Wi-Fi Ant 2
2. Bluetooth Ant 2 (Switching)
3. GPS

⑧ Sub Antenna V Tx/Rx (Ant I)
1. NR Band n41
2. GSM 1900 (DRx Only)
3. LTE Band 2/4/41/66 (DRx Only)
4. NR Band n66 (DRx Only)
5. LTE Band 2/4/41/66 (TX Hopping)
6. NR Band n66 (TX Hopping and EN-DC)

⑨ mmWave Tx/Rx (Ant K)
1. Non-US Bands

Figure K-1
DUT Antenna Locations

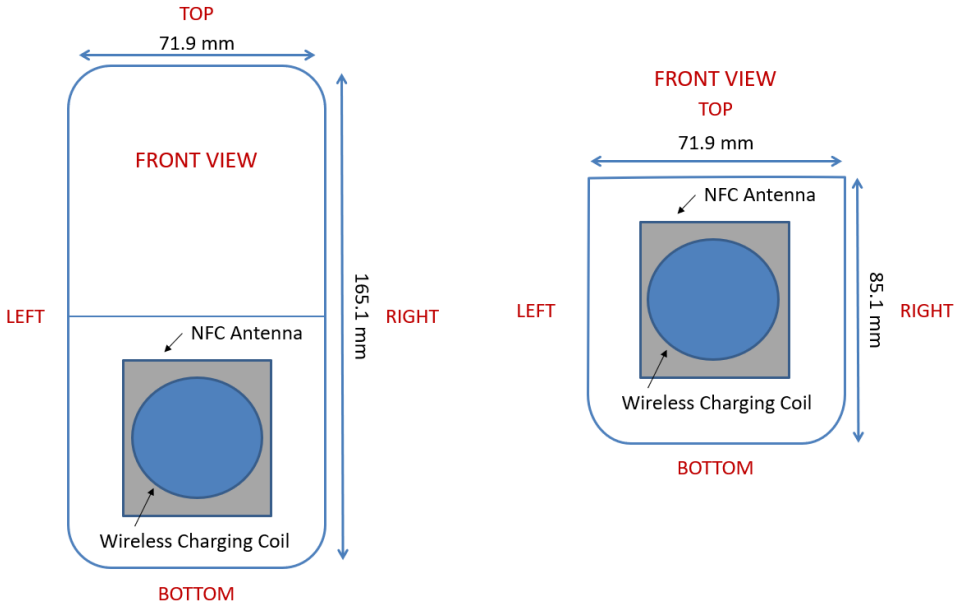
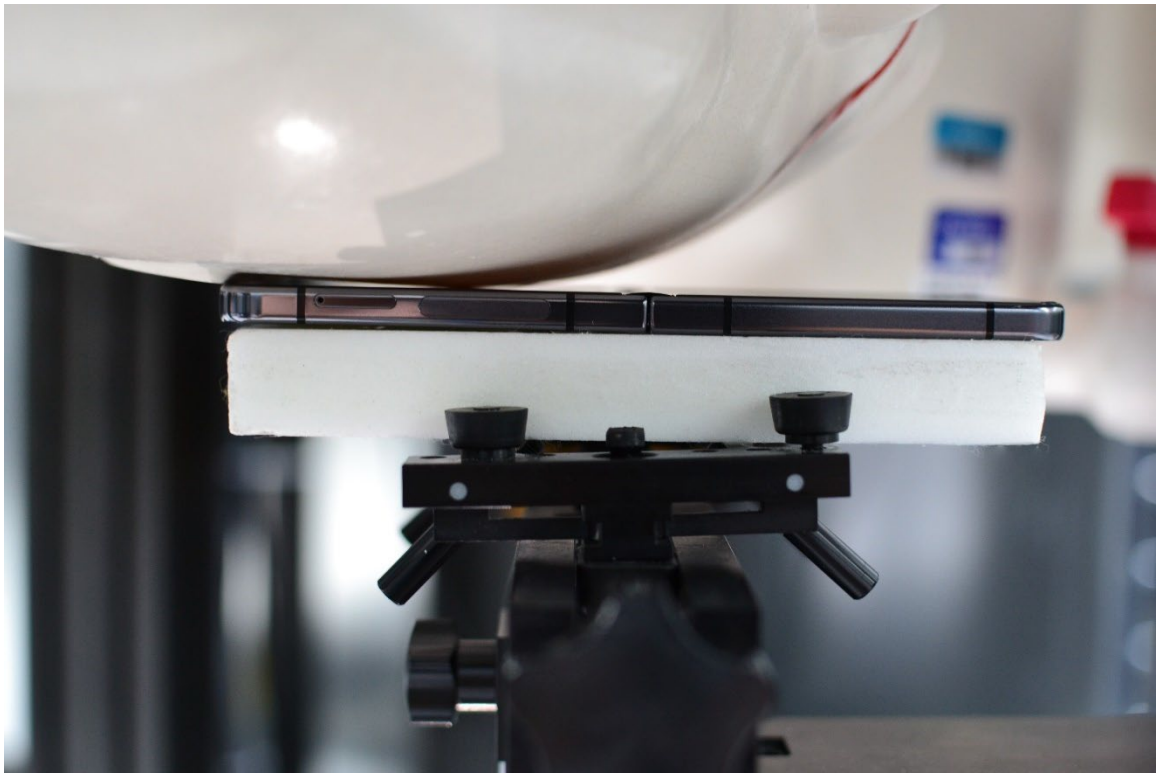
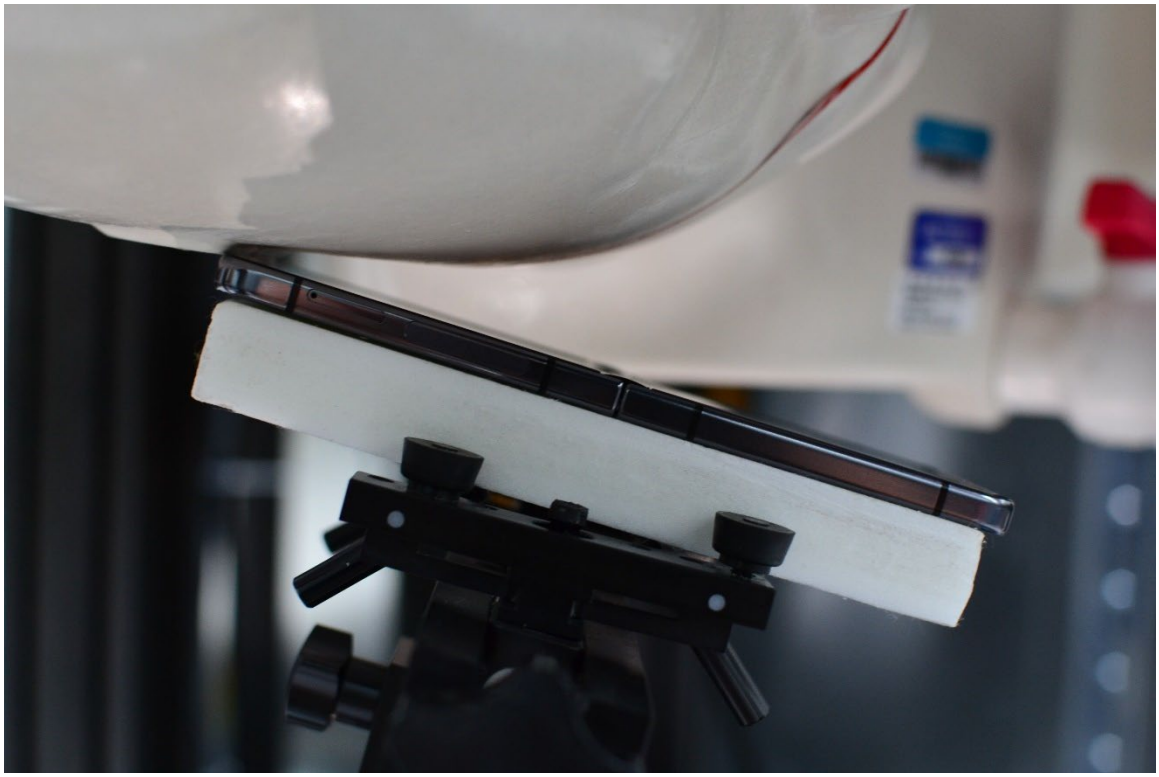


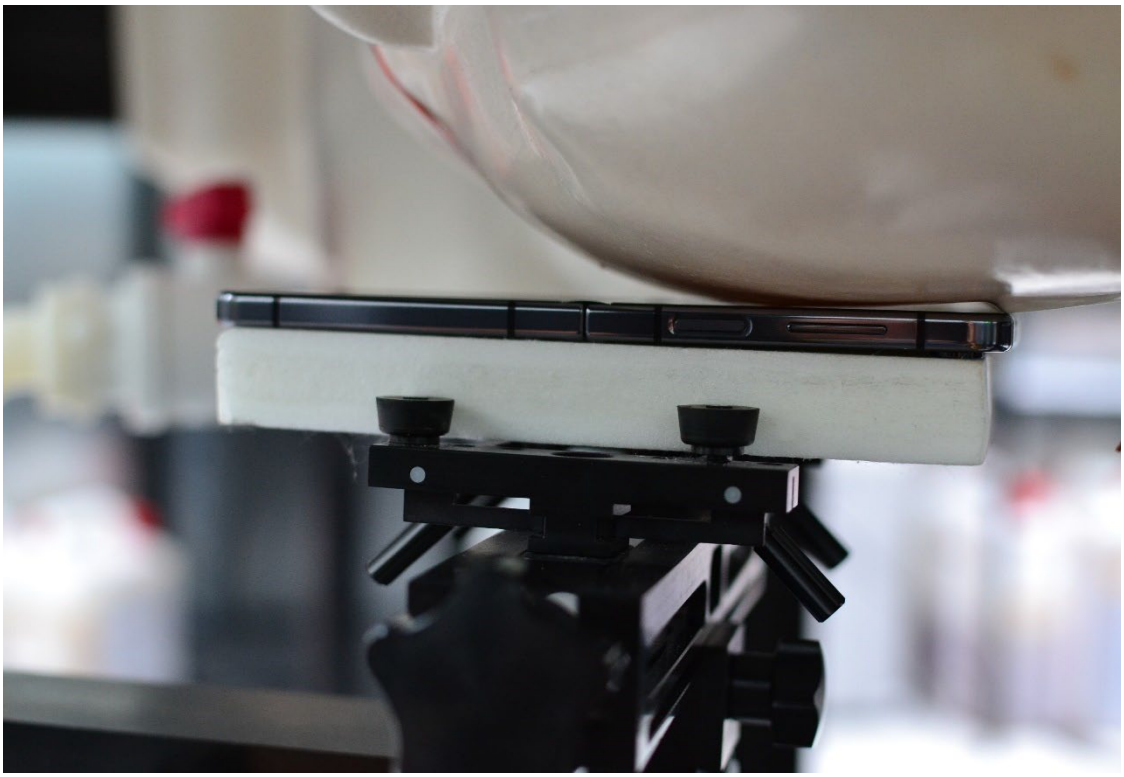
Figure K-2
NFC Antenna Locations



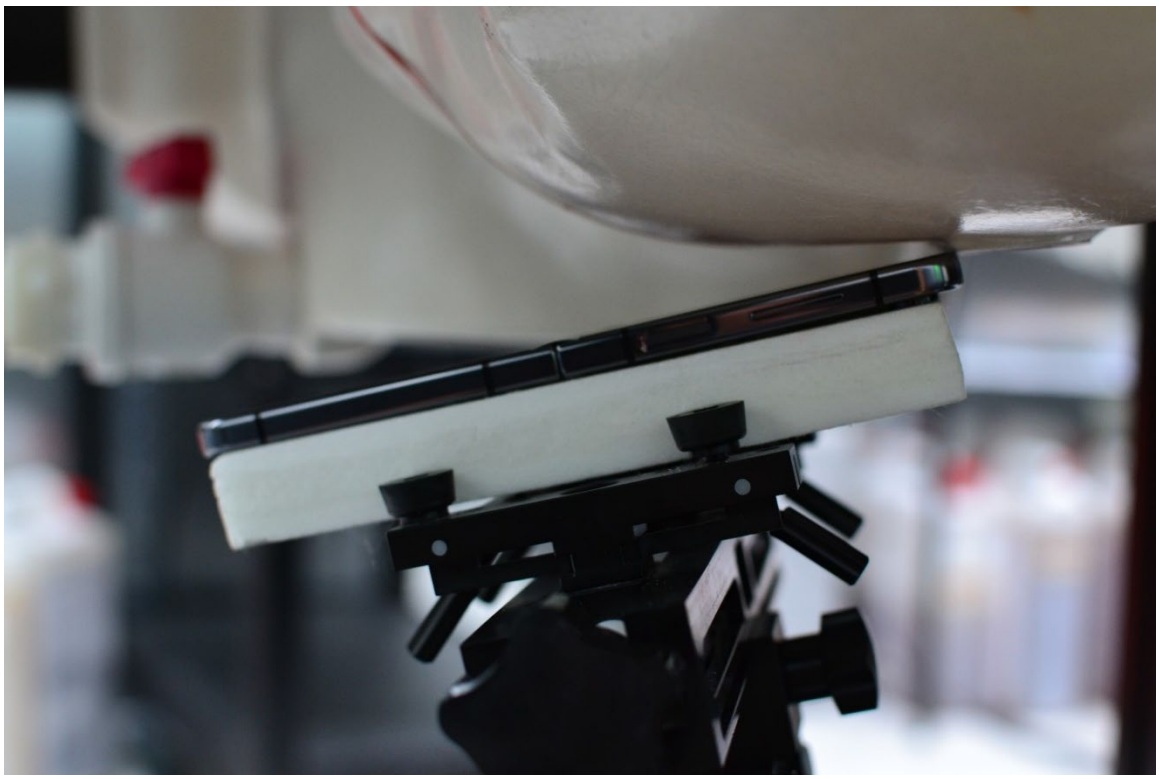
SAR Test Setup Photo 1 – Head, Right Cheek at 0mm



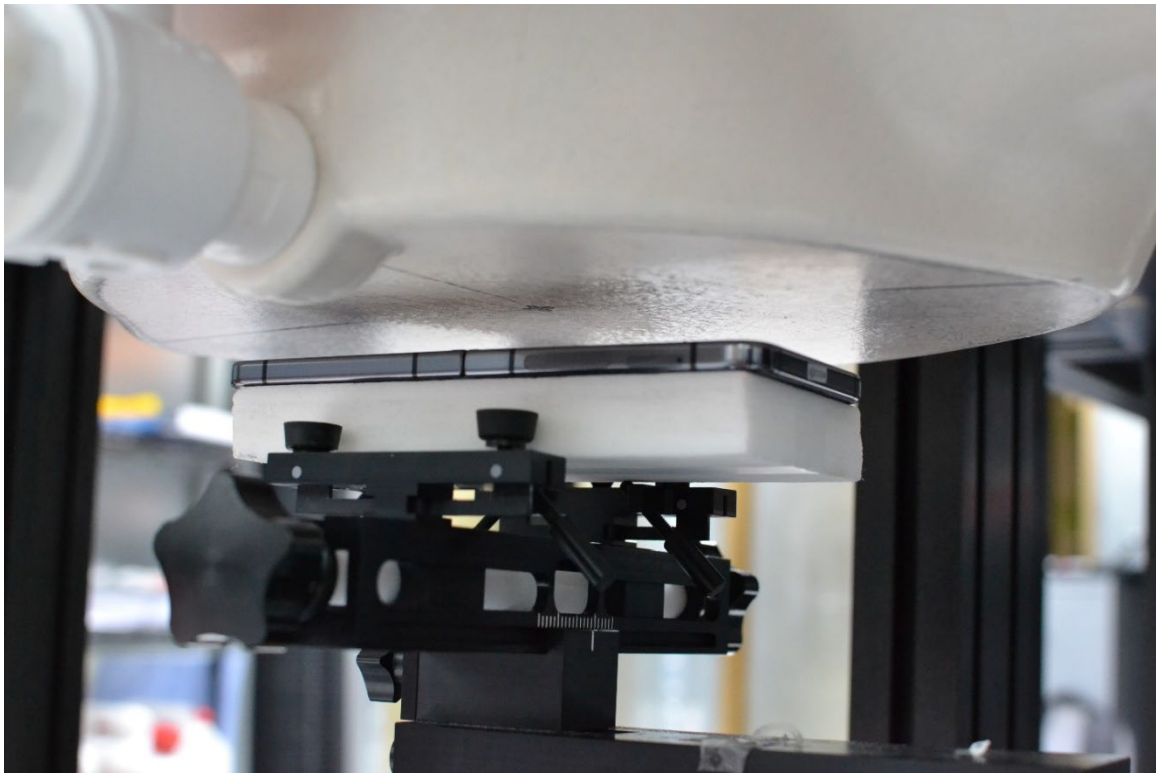
SAR Test Setup Photo 2 – Head, Right Tilt at 0 mm



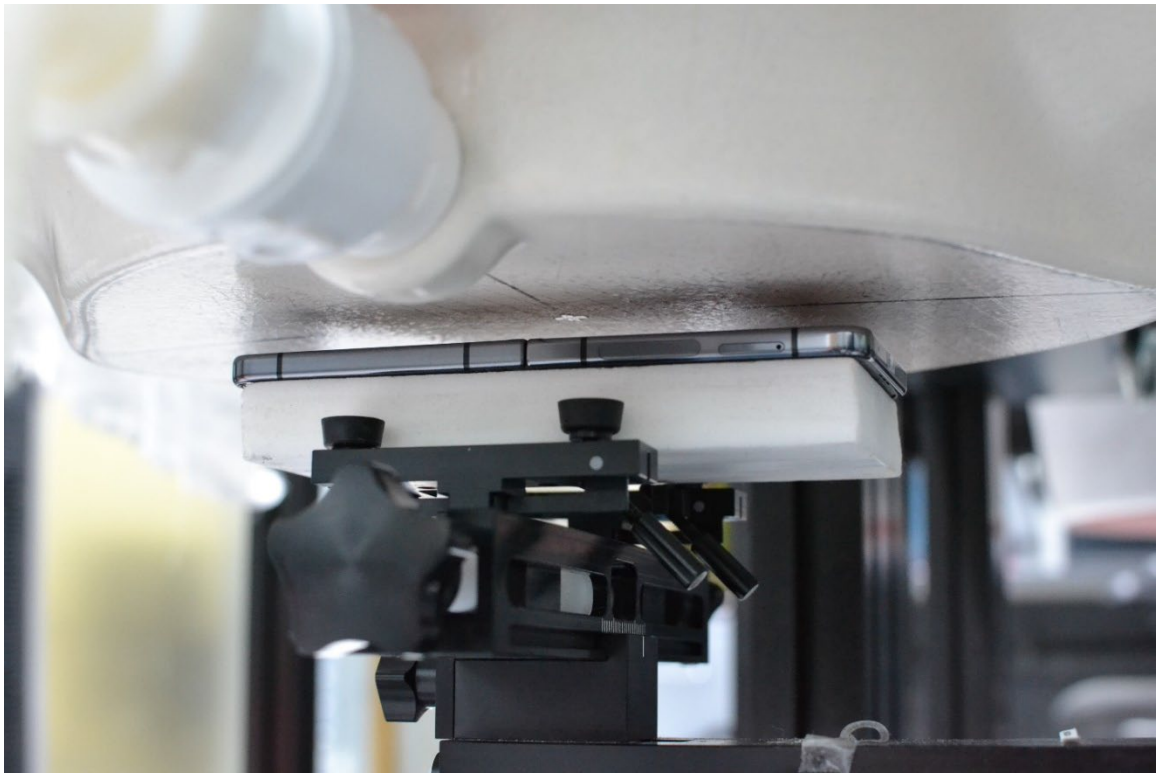
SAR Test Setup Photo 3 – Head, Left Cheek at 0 mm



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

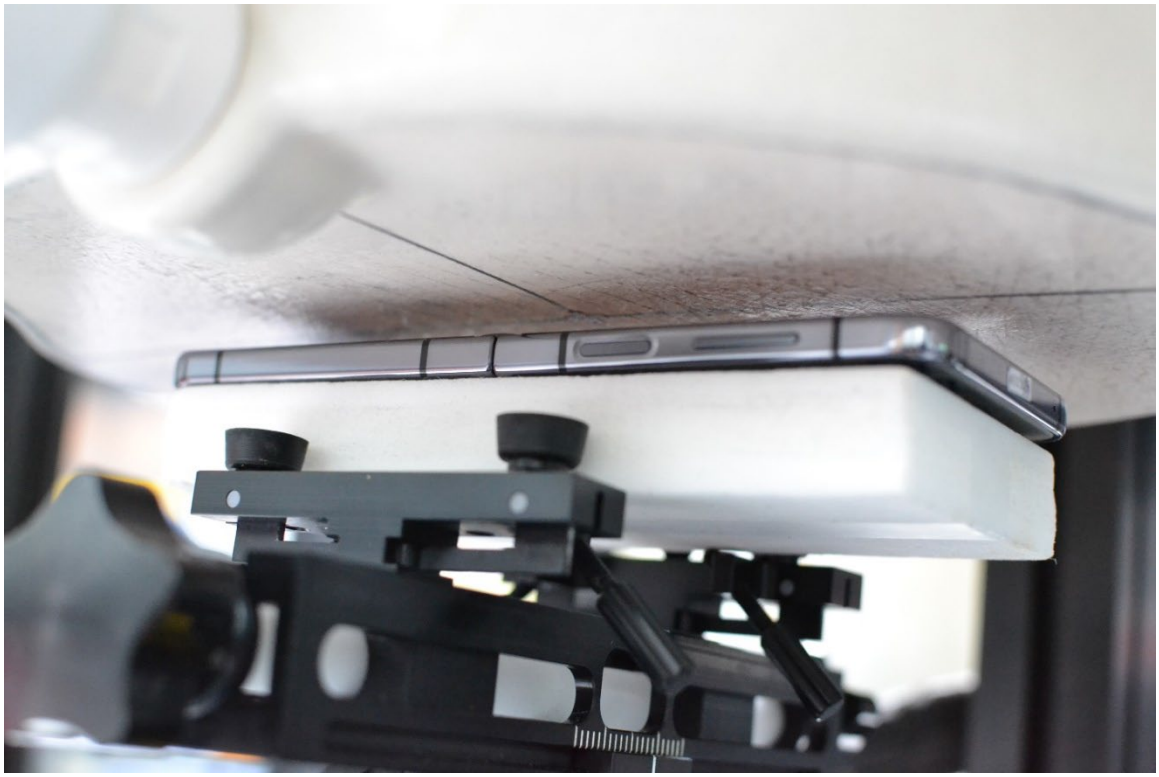


SAR Test Setup Photo 5 – Body-worn, Back Side at 15 mm



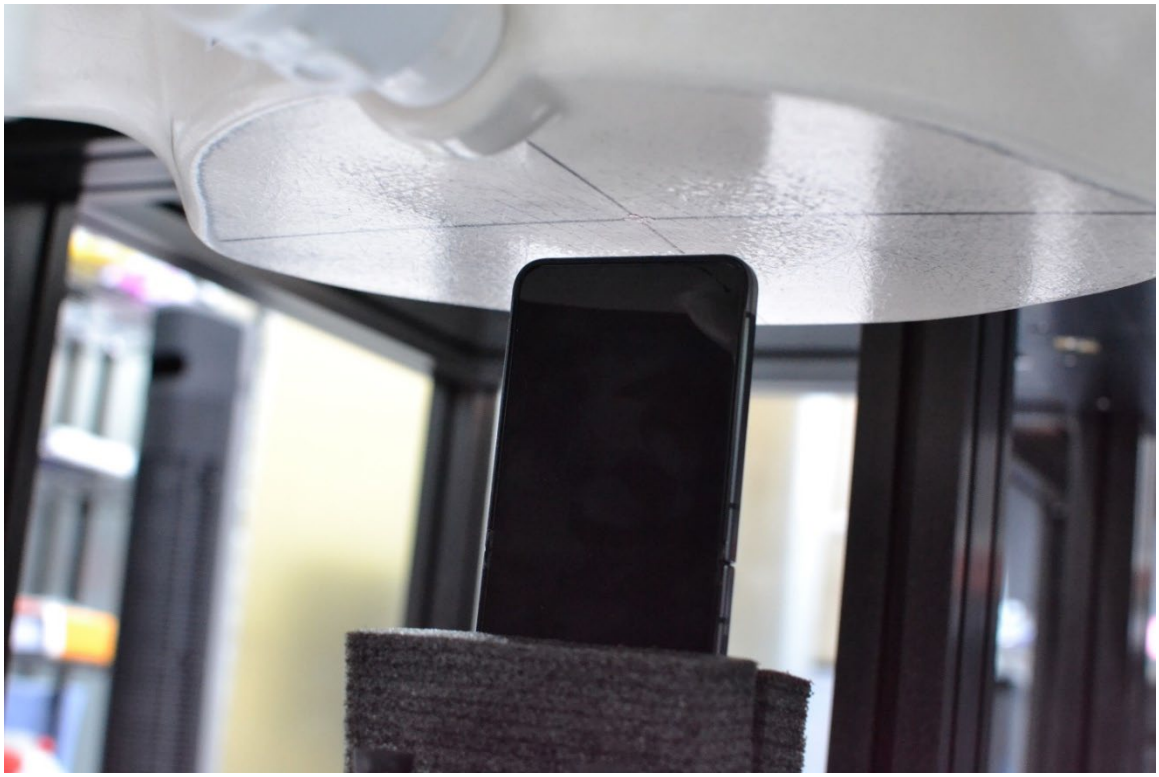
SAR Test Setup Photo 6 – Hotspot, Back Side at 10 mm

SAR Test Setup Photo 7 – Phablet, Back Side at 0 mm

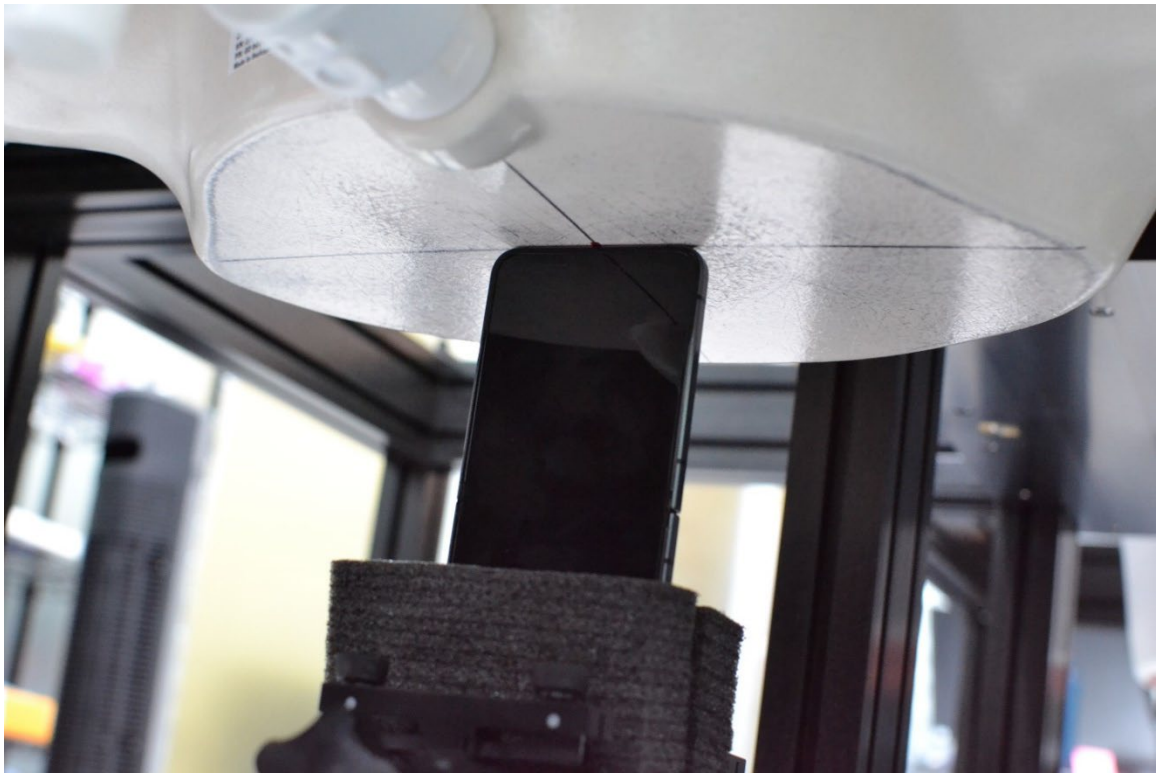


SAR Test Setup Photo 8 – Hotspot, Front Side at 10 mm

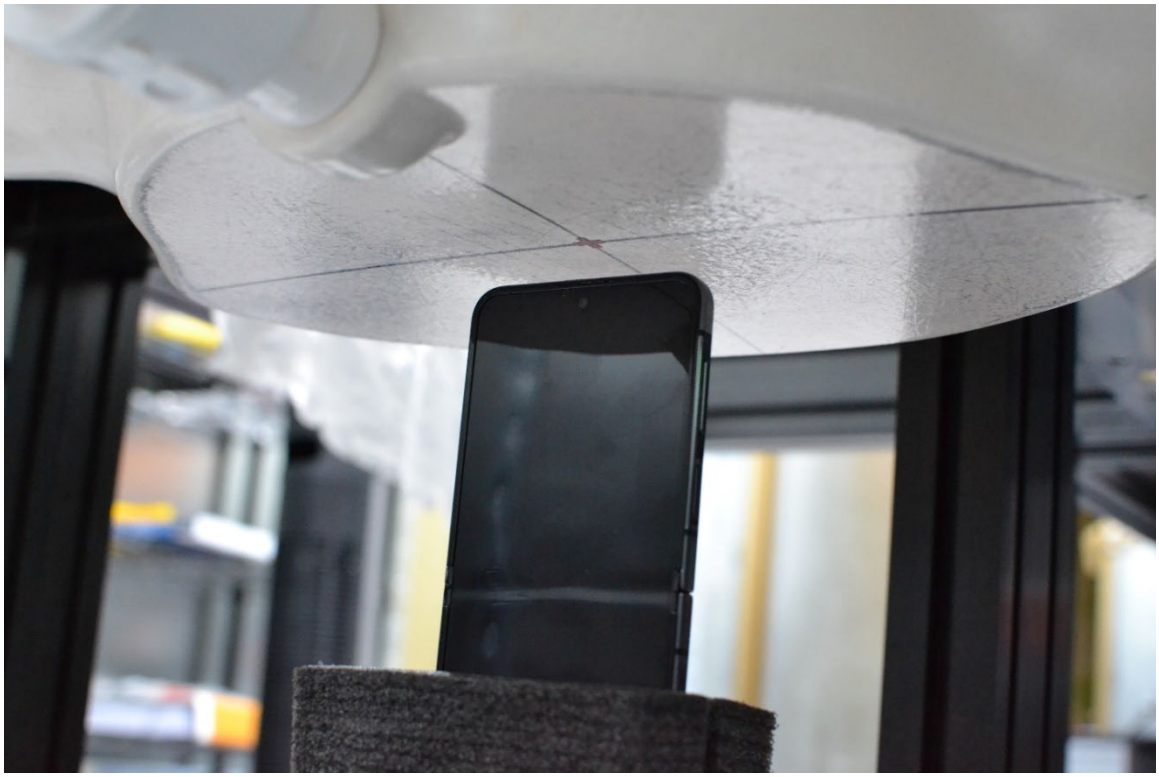
SAR Test Setup Photo 9 – Phablet, Front Side at 0 mm



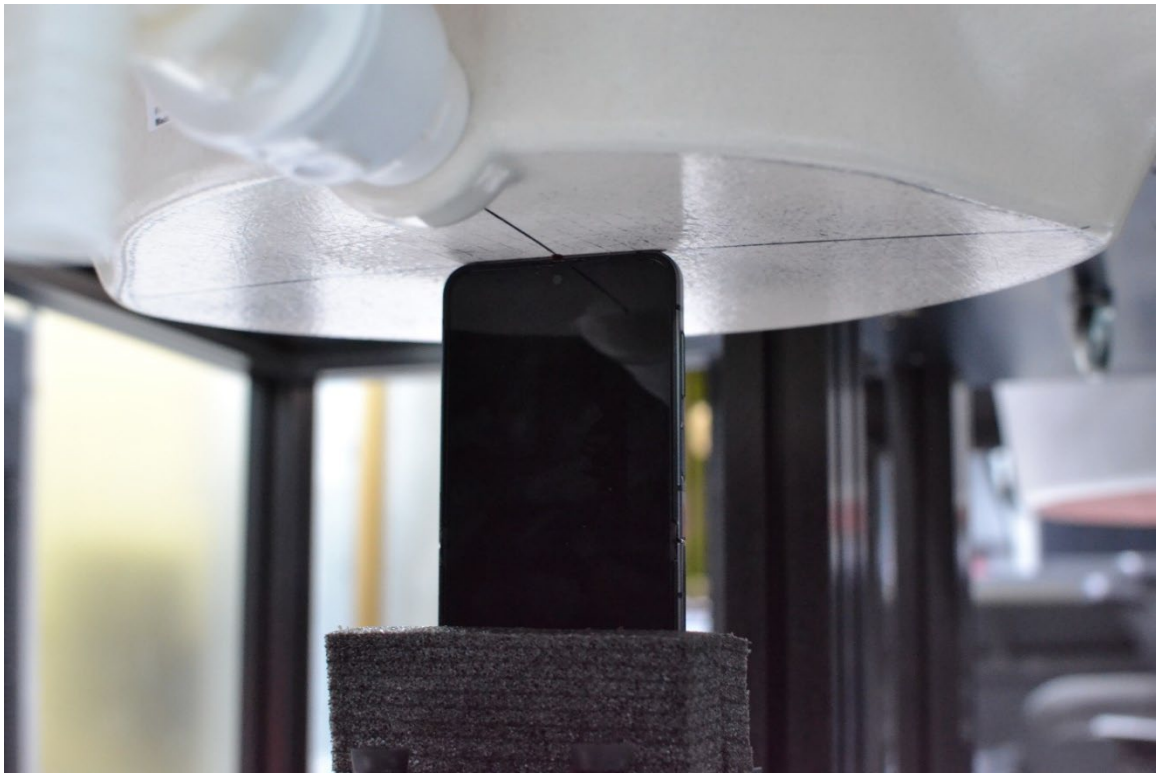
SAR Test Setup Photo 10 – Hotspot, Bottom Edge at 10 mm



SAR Test Setup Photo 11 – Phablet, Bottom Edge at 0 mm



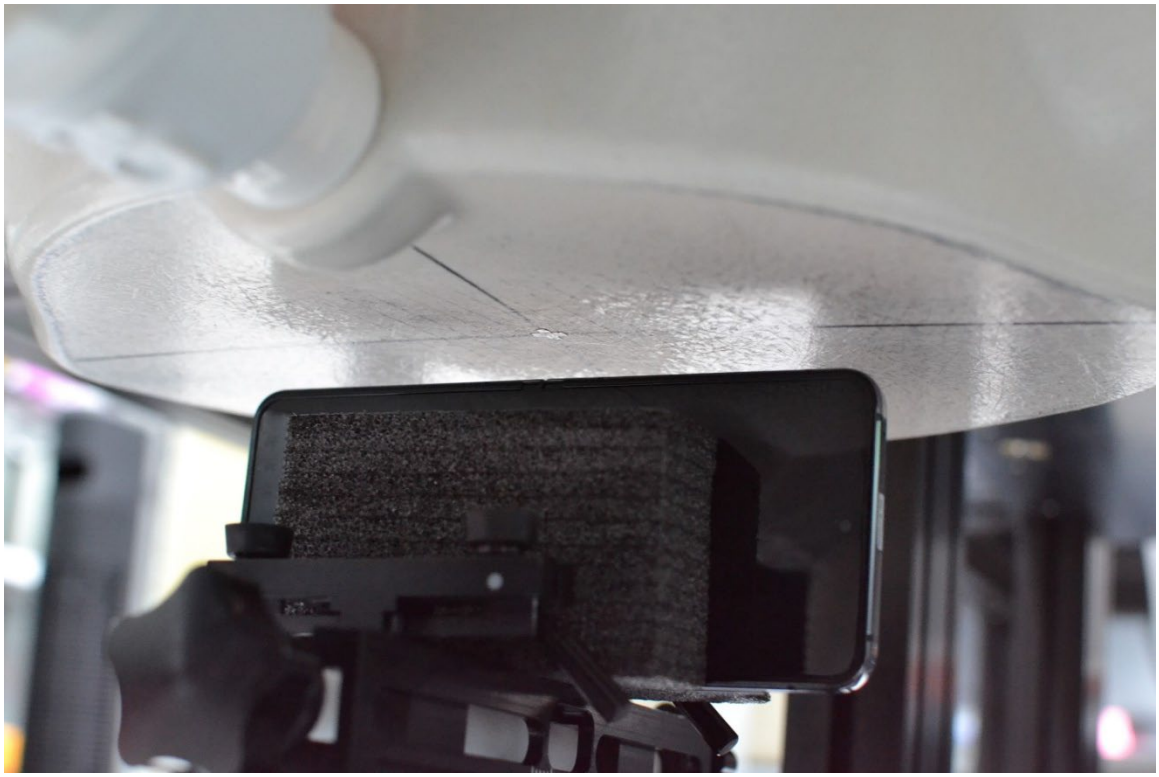
SAR Test Setup Photo 12 – Hotspot, Top Edge at 10 mm



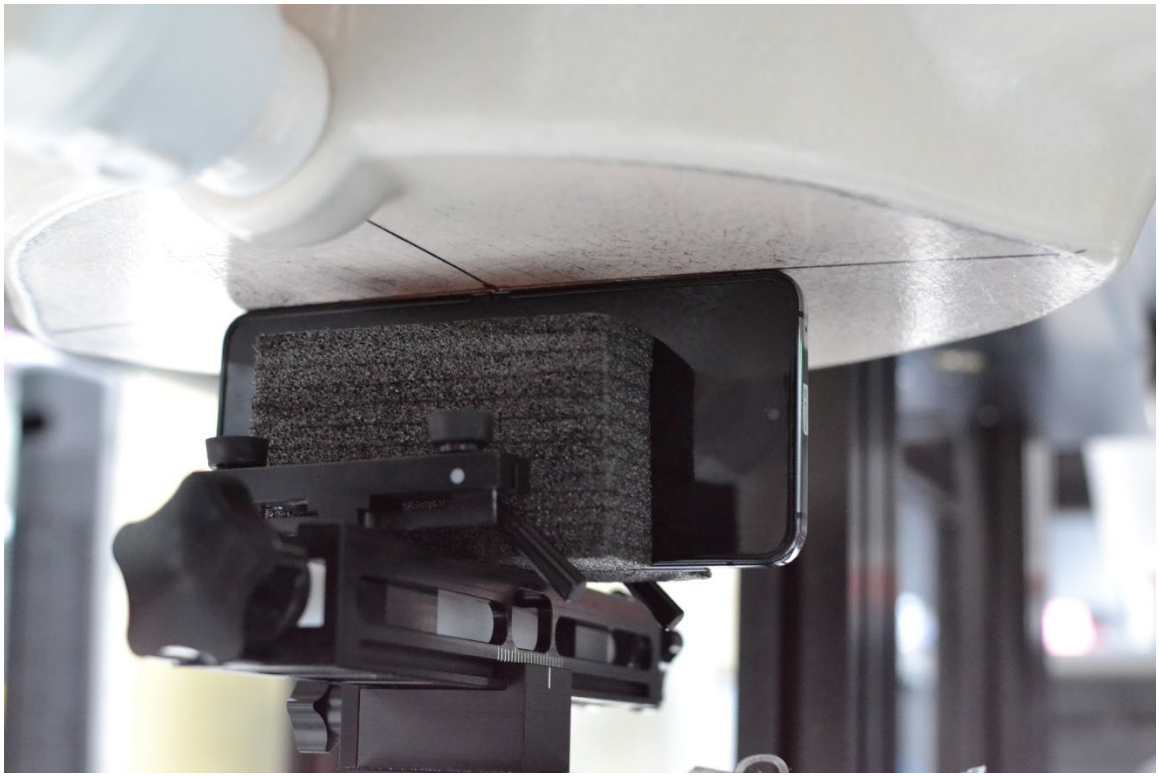
SAR Test Setup Photo 13 – Phablet, Top Edge at 0 mm

SAR Test Setup Photo 14 – Hotspot, Right Edge at 10 mm

SAR Test Setup Photo 15 – Phablet, Right Edge at 0 mm



SAR Test Setup Photo 16 – Hotspot, Left Edge at 10 mm



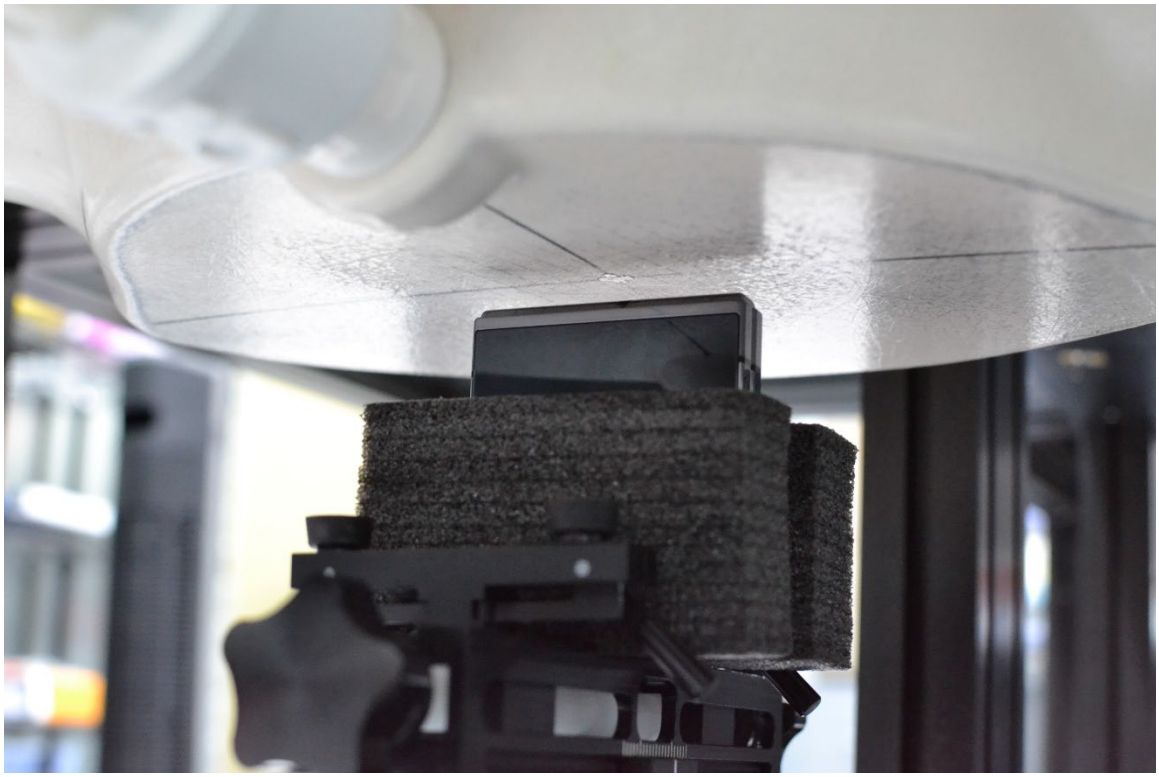
SAR Test Setup Photo 17 – Phablet, Left Edge at 0 mm

SAR Test Setup Photo 18 – Closed Body-worn, Back Side at 15 mm

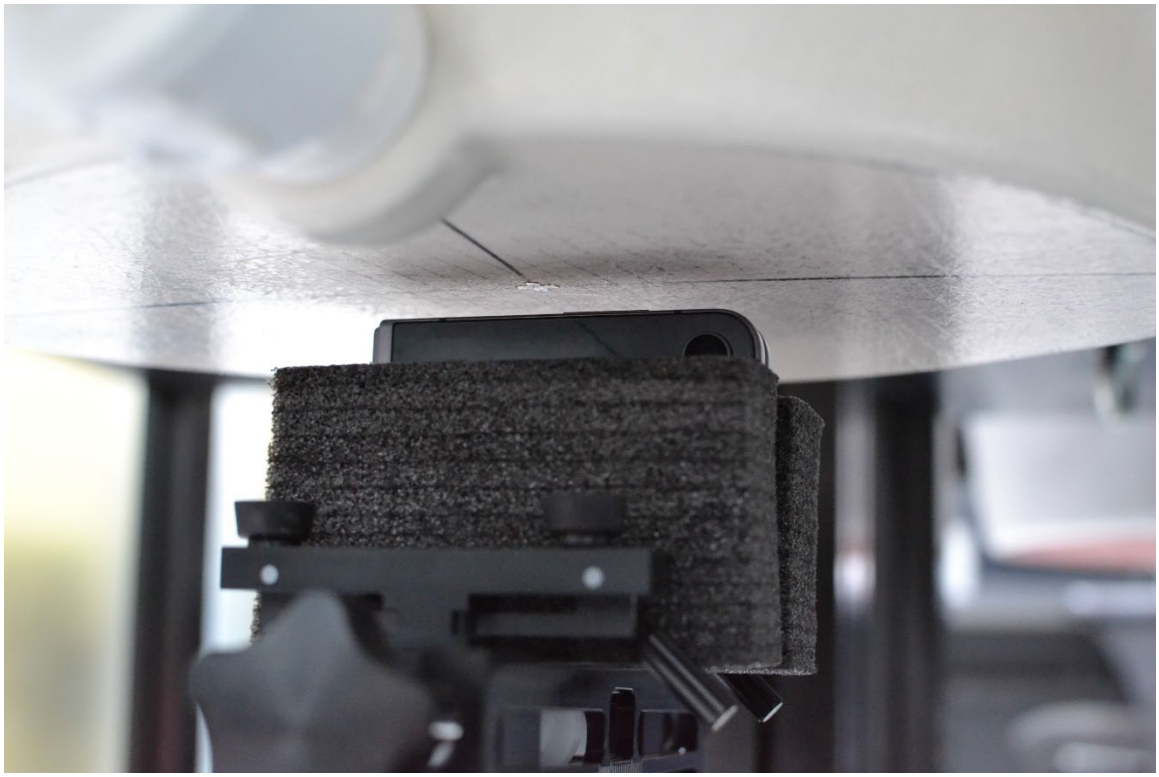
SAR Test Setup Photo 19 – Closed Hotspot, Back Side at 5 mm

SAR Test Setup Photo 20 – Closed Hotspot, Front Side at 5 mm

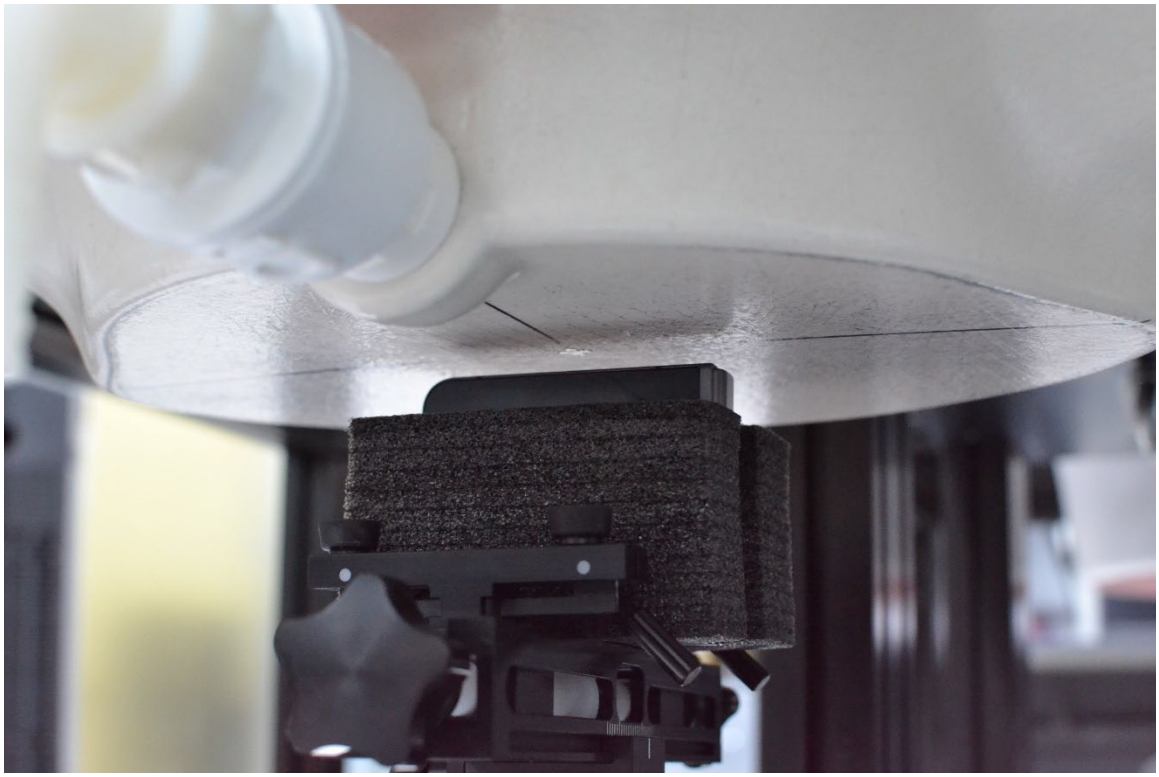
SAR Test Setup Photo 21 – Closed Hotspot, Bottom Edge at 5 mm



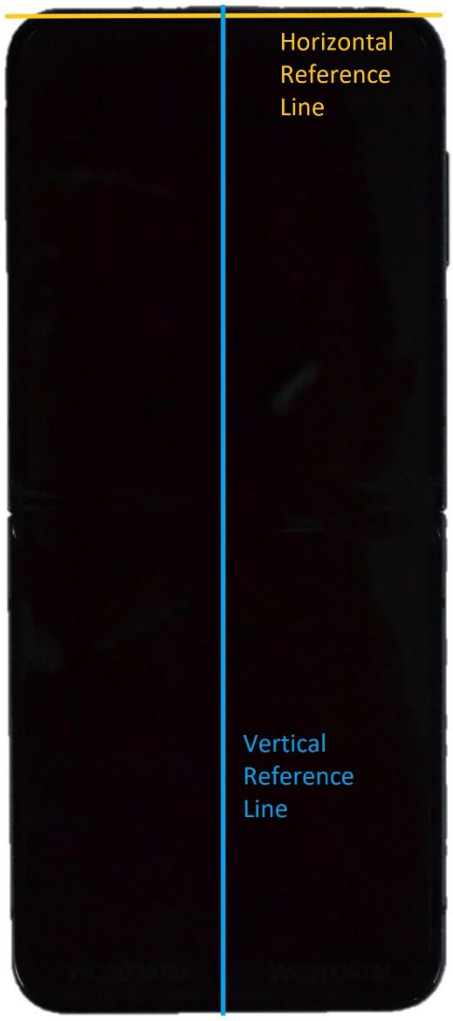
SAR Test Setup Photo 22 – Closed Hotspot, Top Edge at 5 mm



SAR Test Setup Photo 23 – Closed Hotspot, Right Edge at 5 mm



SAR Test Setup Photo 24 – Closed Hotspot, Left Edge at 5 mm



SAR Test Setup Photo 25 – Reference Lines