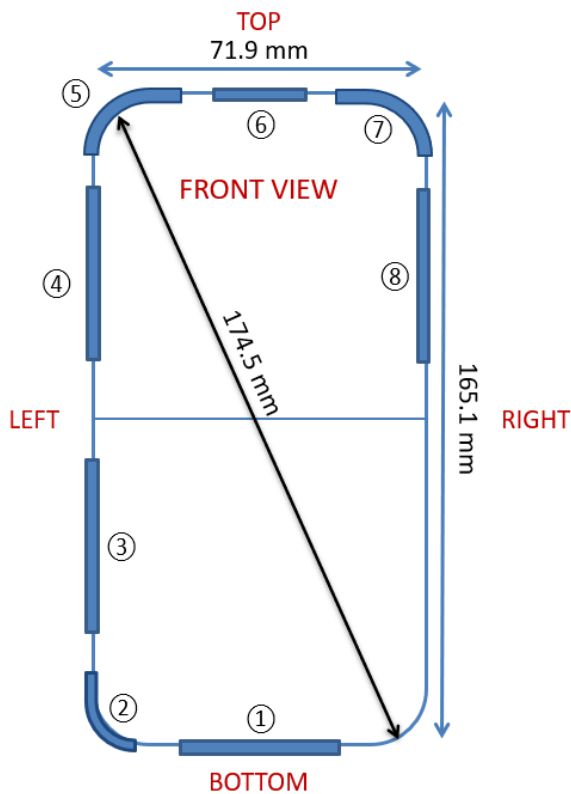


APPENDIX F: DUT ANTENNA DIAGRAM & TEST SETUP PHOTOGRAPHS



- 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 2/4/5/12/13/17/25/26/66
 4. NR Band n2/5/12/25/66

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

- ③ Main Band Antenna III Tx/Rx (Ant C)
1. LTE Band 4/66/41 4x4 MIMO (PRx Only)
 2. NR Band n66 4x4 MIMO (PRx Only)
 3. NR Band n41/77 4x4 MIMO (DRx Only)
 4. NR Band n41/77 (SRS)

- ④ Sub Antenna I Tx/Rx (Ant E)
1. GSM 850 (DRx Only)
 2. UMTS V (DRx Only)
 3. LTE B5/12/13/17/26 (DRx Only)
 4. NR Band n5/12 (DRx Only)
 5. NR Band n77 4x4 MIMO (PRx Only)
 6. NR Band n77 (SRS)
 7. GPS L5

- ⑤ Sub Antenna II Tx/Rx (Ant F)
1. NR Band n77
 2. NR Band n41 4x4 MIMO (PRx Only)
 3. LTE Band 41 4x4 MIMO (DRx Only)
 4. NR Band n41 (SRS)
 5. 2.4G/5G/6G Wi-Fi Ant 1
 6. Bluetooth Ant 1 (Switching)

- ⑥ Sub Antenna III Tx/Rx (Ant G)
1. LTE Band 4/66 4x4 MIMO (DRx Only)
 2. NR Band n66 4x4 MIMO (DRx Only)

- 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. UMTS II/IV (DRx Only)
 4. LTE Band 2/4/25/41/66 (DRx Only)
 5. NR Band n2/25/66/77 (DRx Only)
 6. NR Band n77 (SRS)
 7. LTE Band 2/4/25/41/66 (TX Hopping)
 8. LTE Band 2/4 (Inter-band ULCA ant switching)
 9. NR Band n2/25/66 (TX Hopping/ENDC)

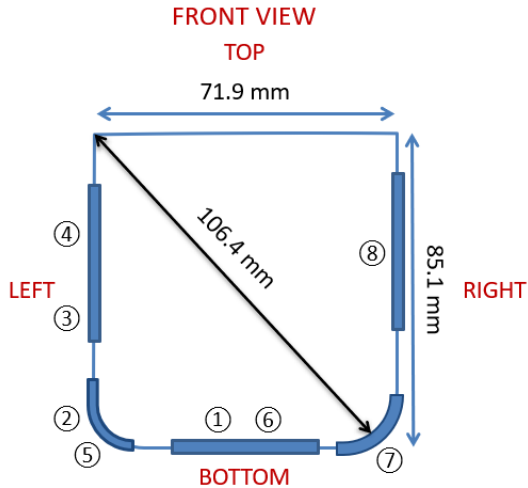


Figure F-1
DUT Antenna Locations

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

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DUT Type: Portable Handset		APPENDIX F: Page 2 of 22

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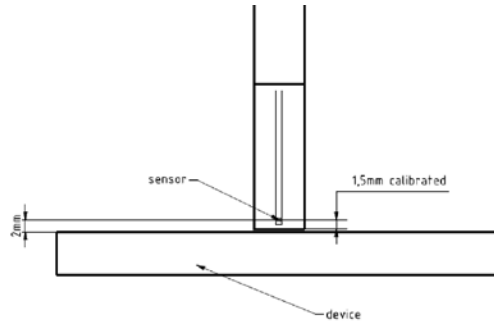


Figure F-2
EImmWVx Probe

Note: Distances below are distance from device surface to sensor-center. Therefore, distances include 1.5 mm for Probe Tip to Sensor Calibration Points.

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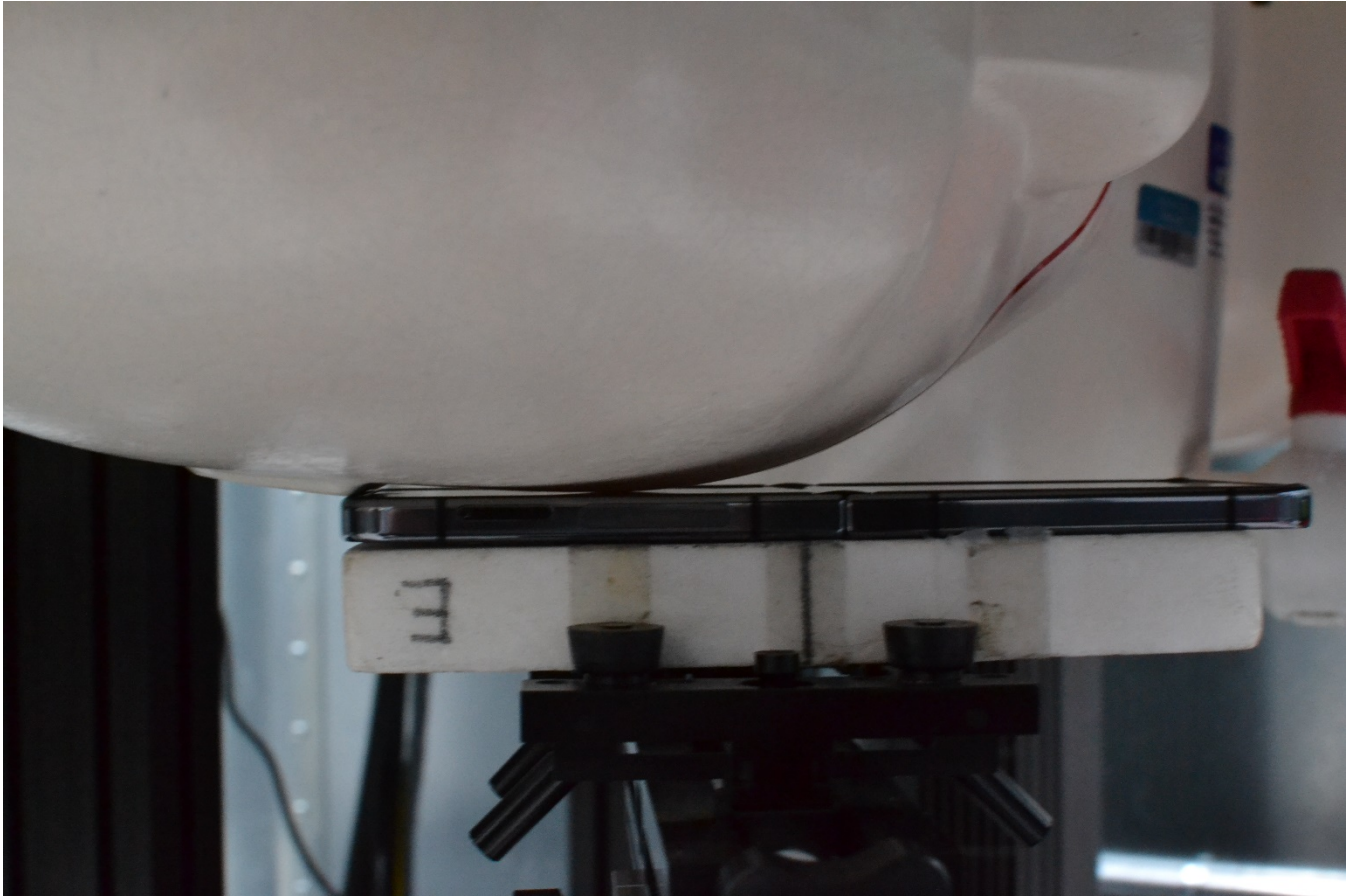


Figure F-3
SAR Test Setup Photo 1– Head, Right Cheek, 0 mm

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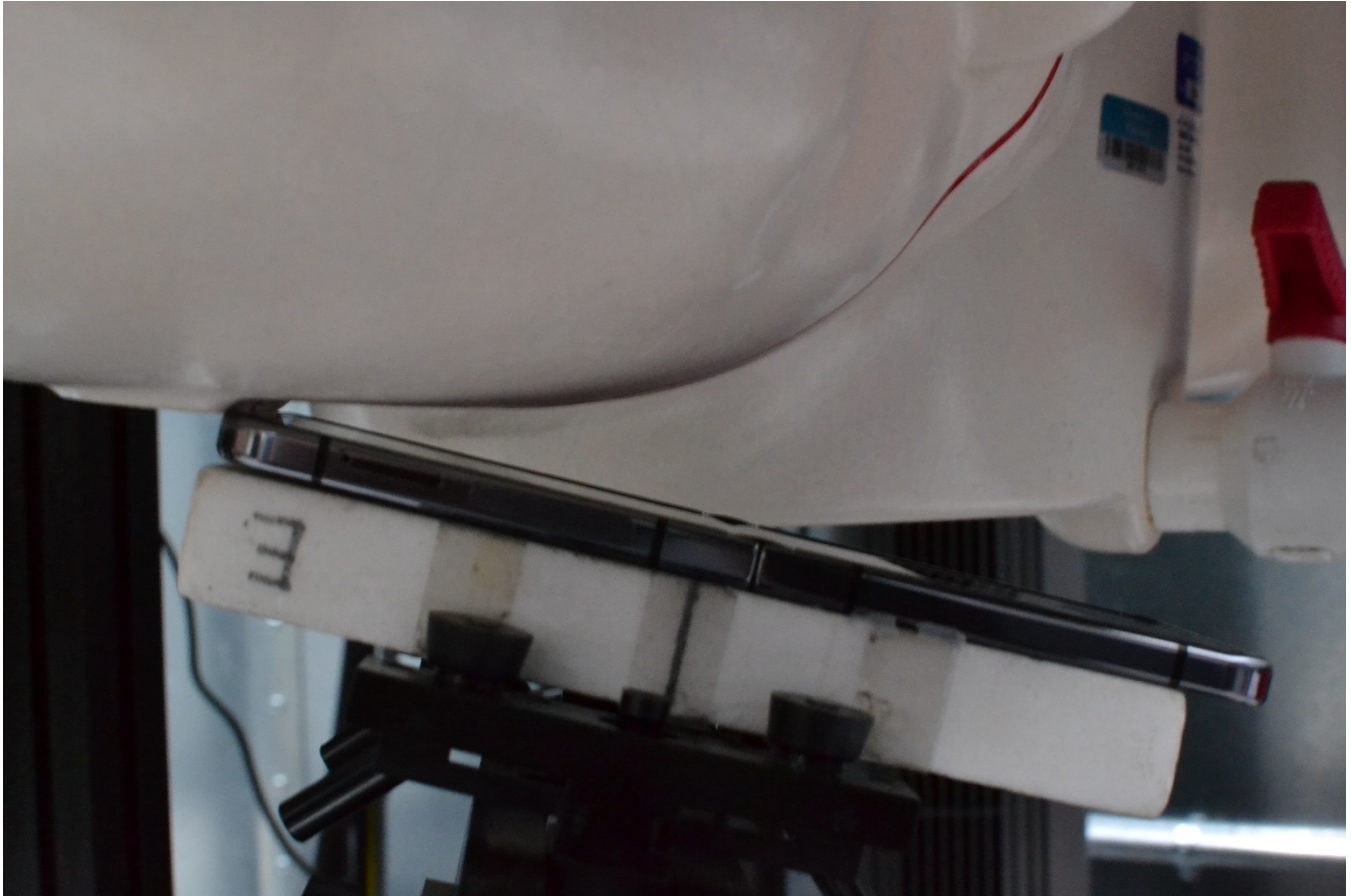


Figure F-4
SAR Test Setup Photo - Head, Right Tilt, 0 mm

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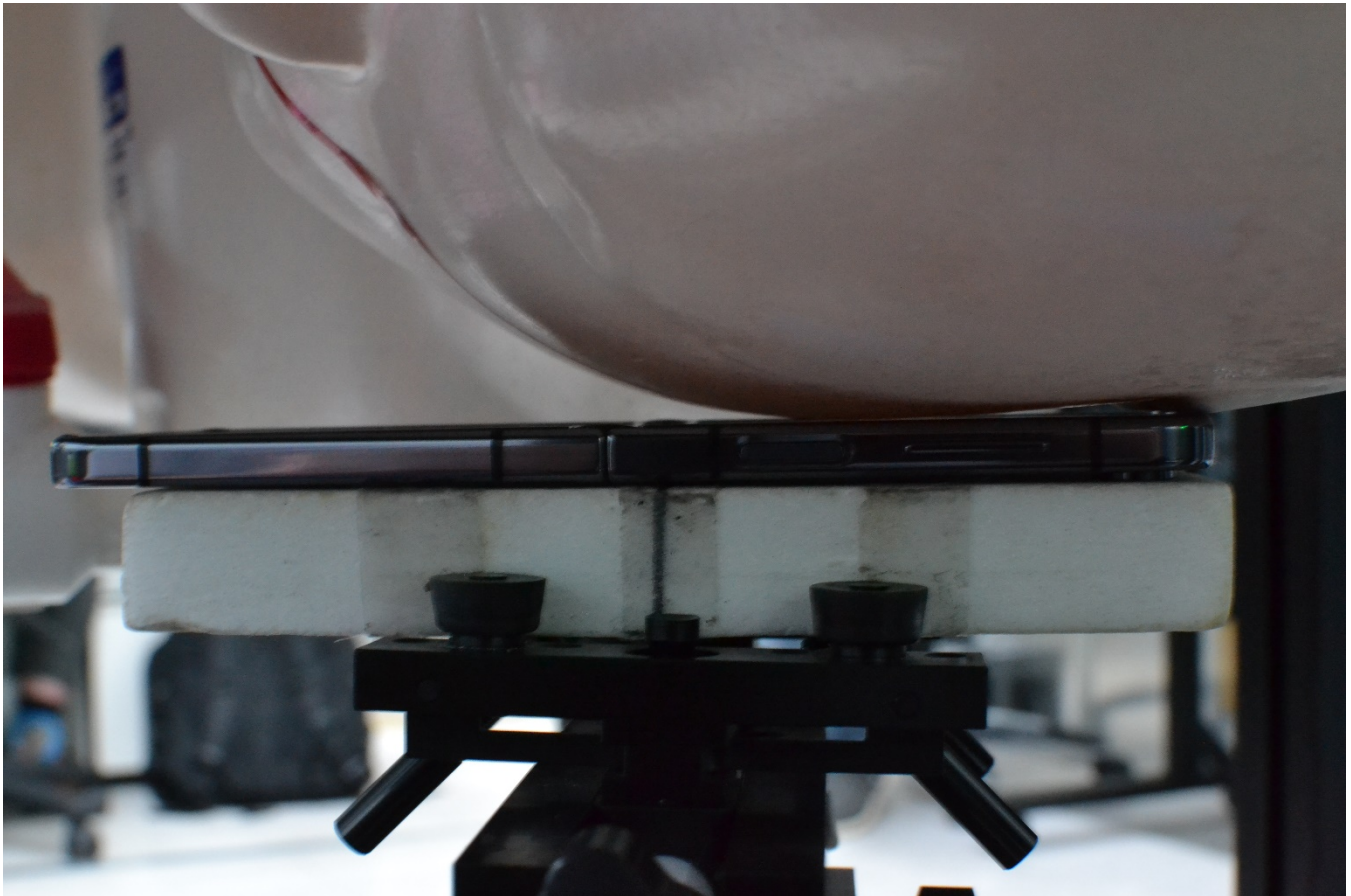


Figure F-5
SAR Test Setup Photo – Head, Left Cheek, 0 mm

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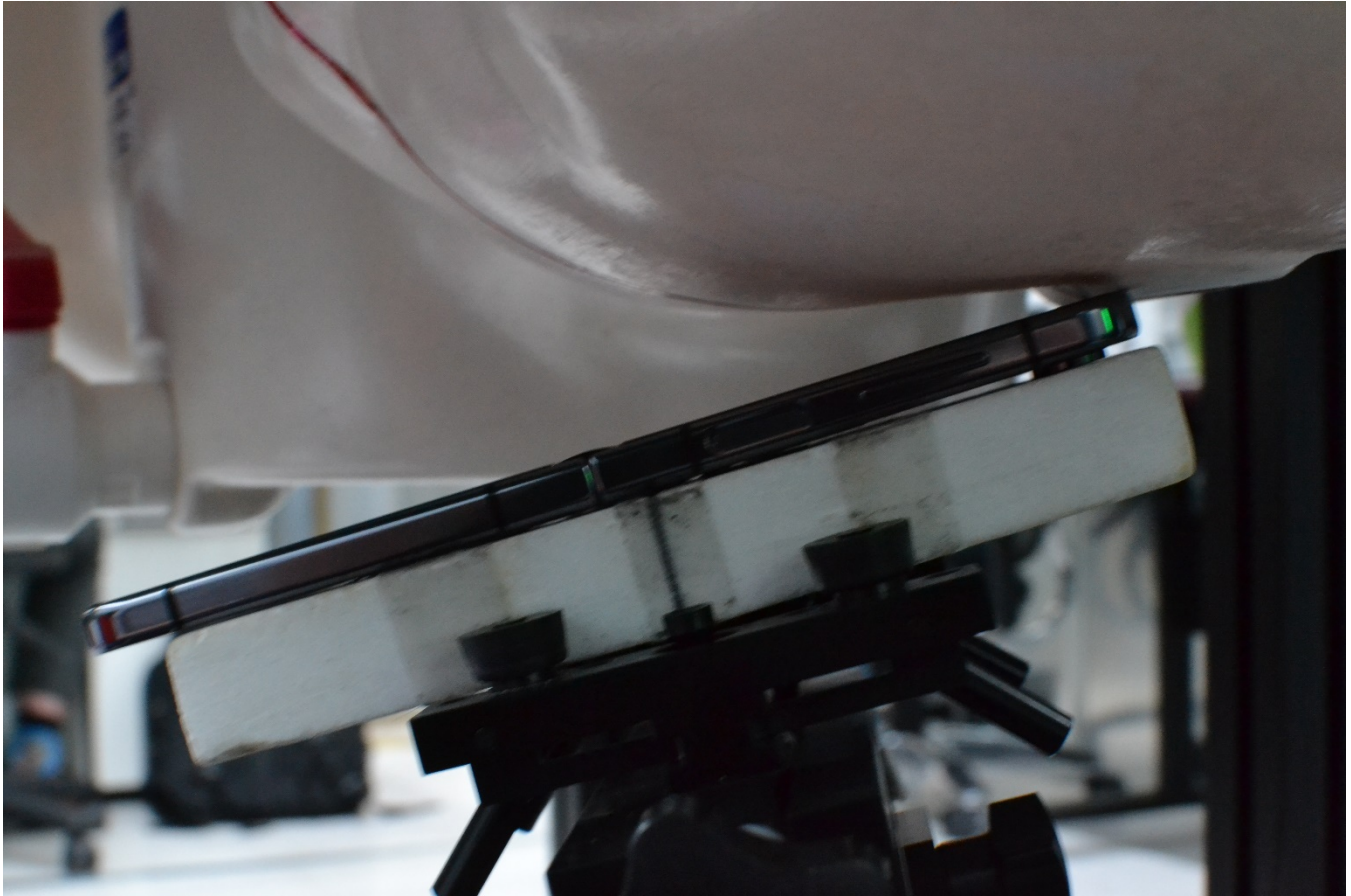


Figure F-6
SAR Test Setup Photo– Head, Left Tilt, 0 mm

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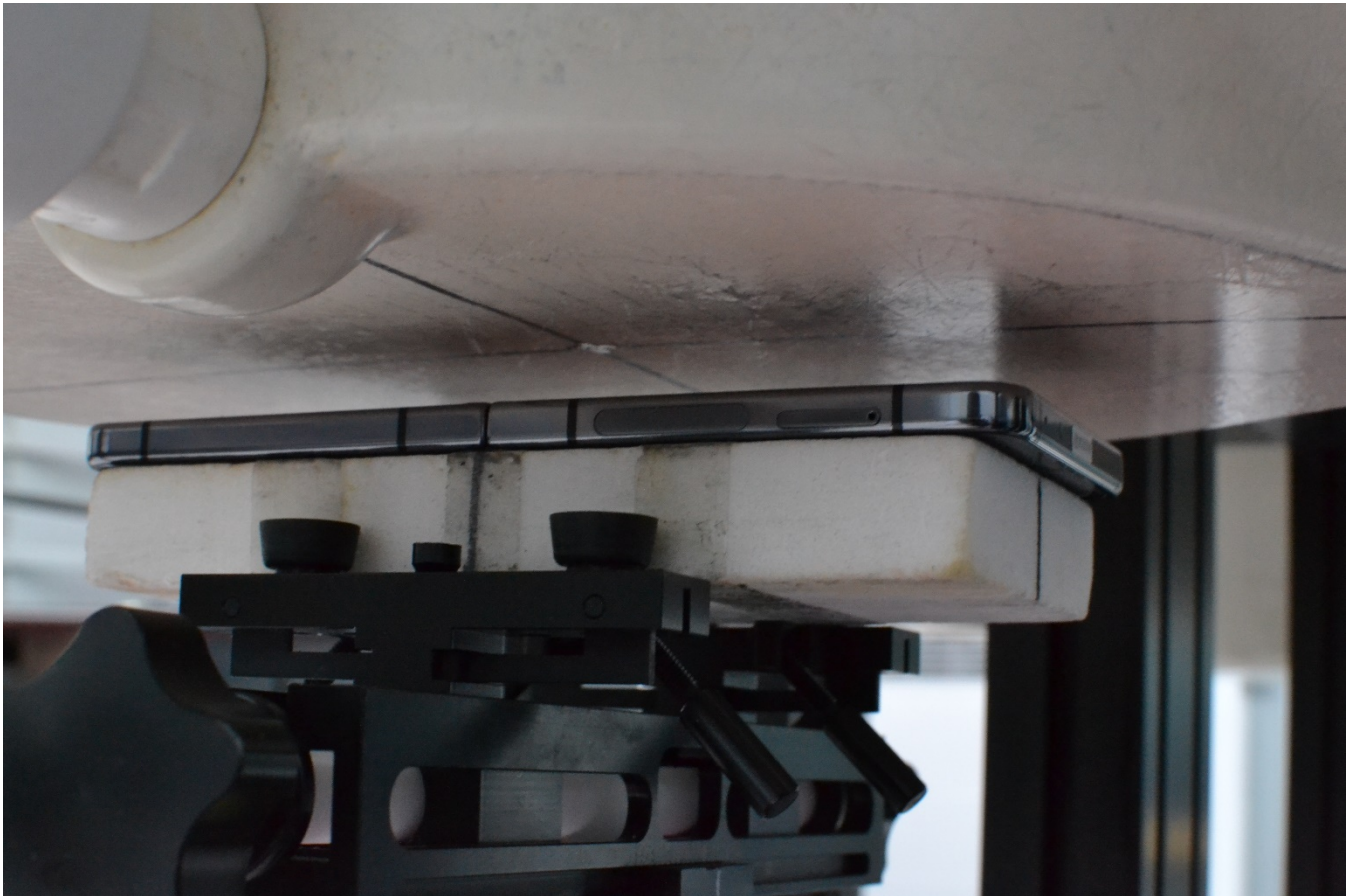


Figure F-7
SAR Test Setup Photo– Body-worn, Back Side, 15 mm, Open

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Figure F-8
SAR Test Setup Photo– Body-worn, Back Side, 15 mm, Closed

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Figure F-9
SAR Test Setup Photo– Phablet, Back Side, 0 mm, Open

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Figure F-10
SAR Test Setup Photo– Phablet, Front Side, 0 mm, Open

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Figure F-11
SAR Test Setup Photo– Phablet, Top Edge, 0 mm, Open

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Figure F-12
SAR Test Setup Photo– Phablet, Right Edge, 0 mm, Open

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Figure F-13
SAR Test Setup Photo– Phablet, Left Edge, 0 mm, Open

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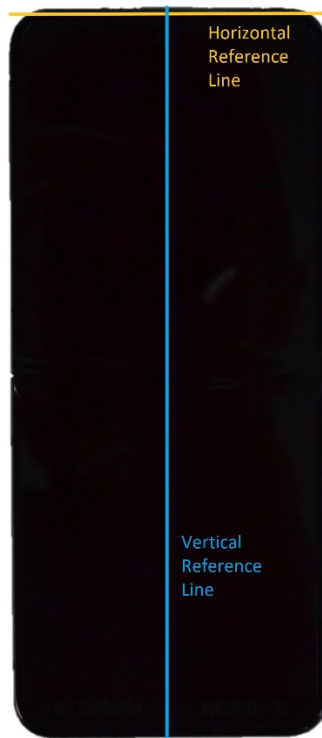


Figure F-14
SAR Test Setup Photo – Horizontal and Vertical Reference Lines

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Figure F-15
Near Field Power Density Test Setup Photo – Back Side at 2 mm, Open

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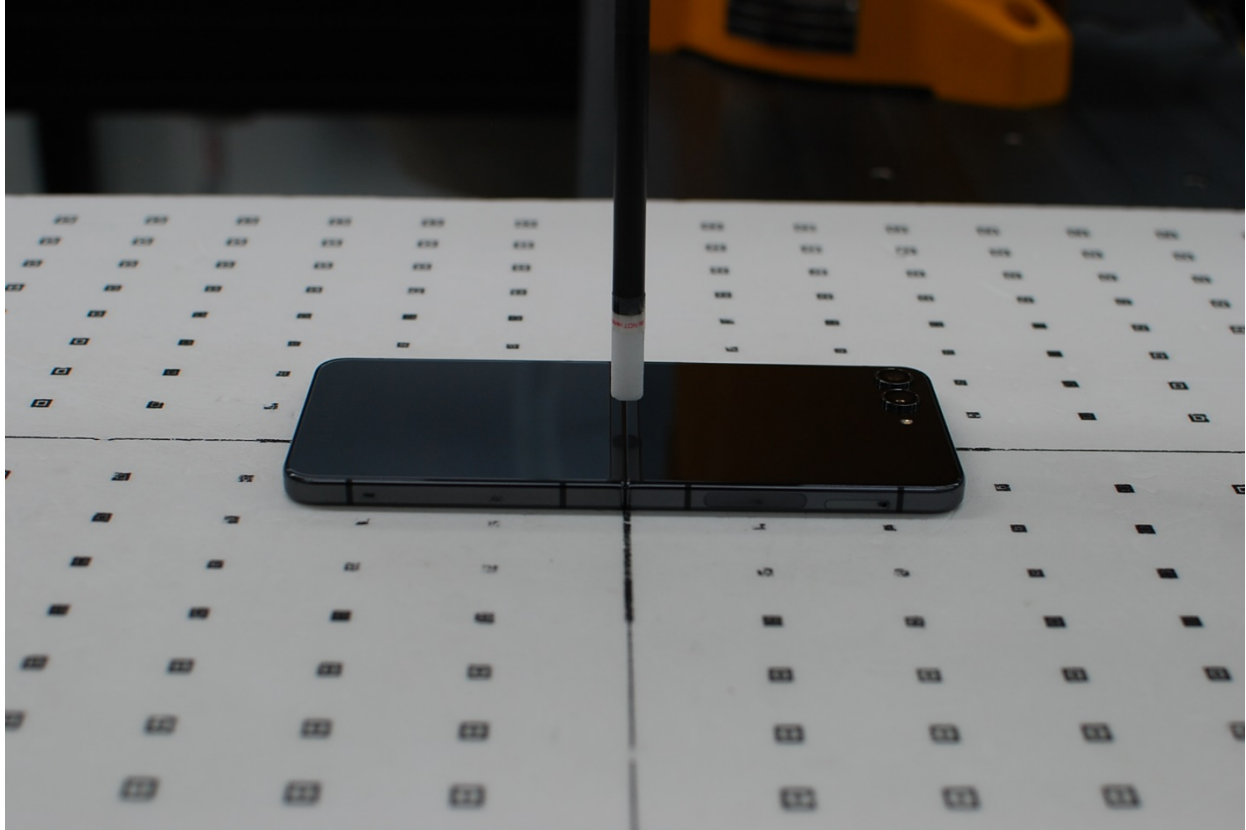


Figure F-16
Near Field Power Density Test Setup Photo – Back Side at 9.16 mm, Open

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Figure F-17
Near Field Power Density Test Setup Photo – Front Side at 2 mm, Open

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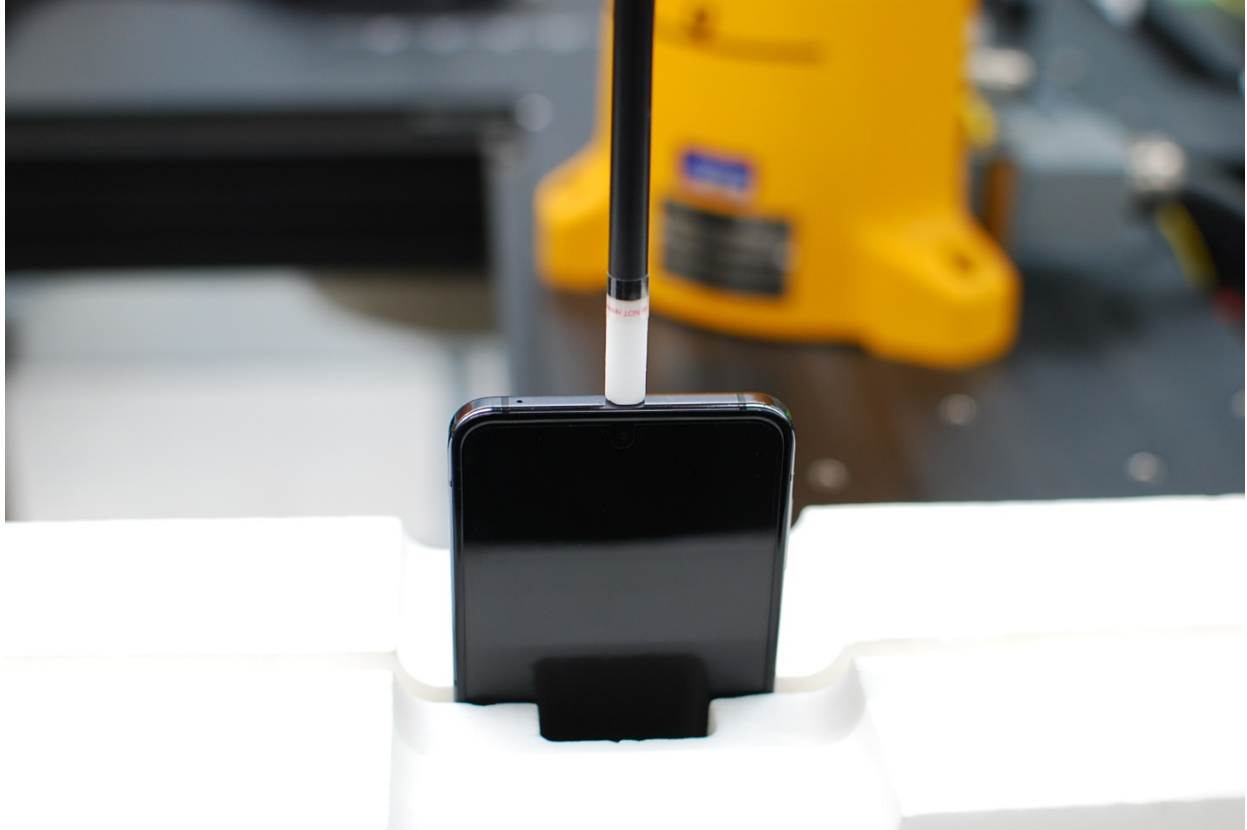


Figure F-18
Near Field Power Density Test Setup Photo – Top Edge at 2 mm, Open

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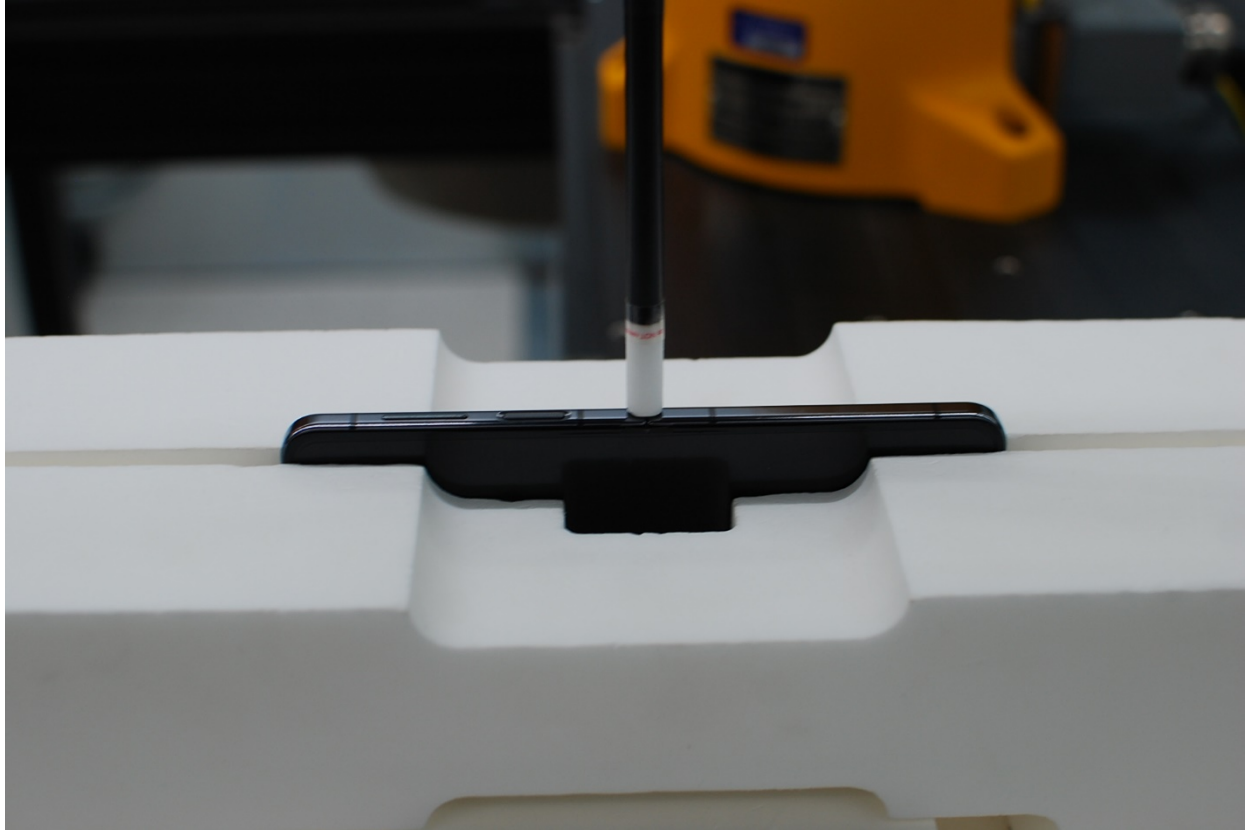


Figure F-19
Near Field Power Density Test Setup Photo – Right Edge at 2 mm, Open

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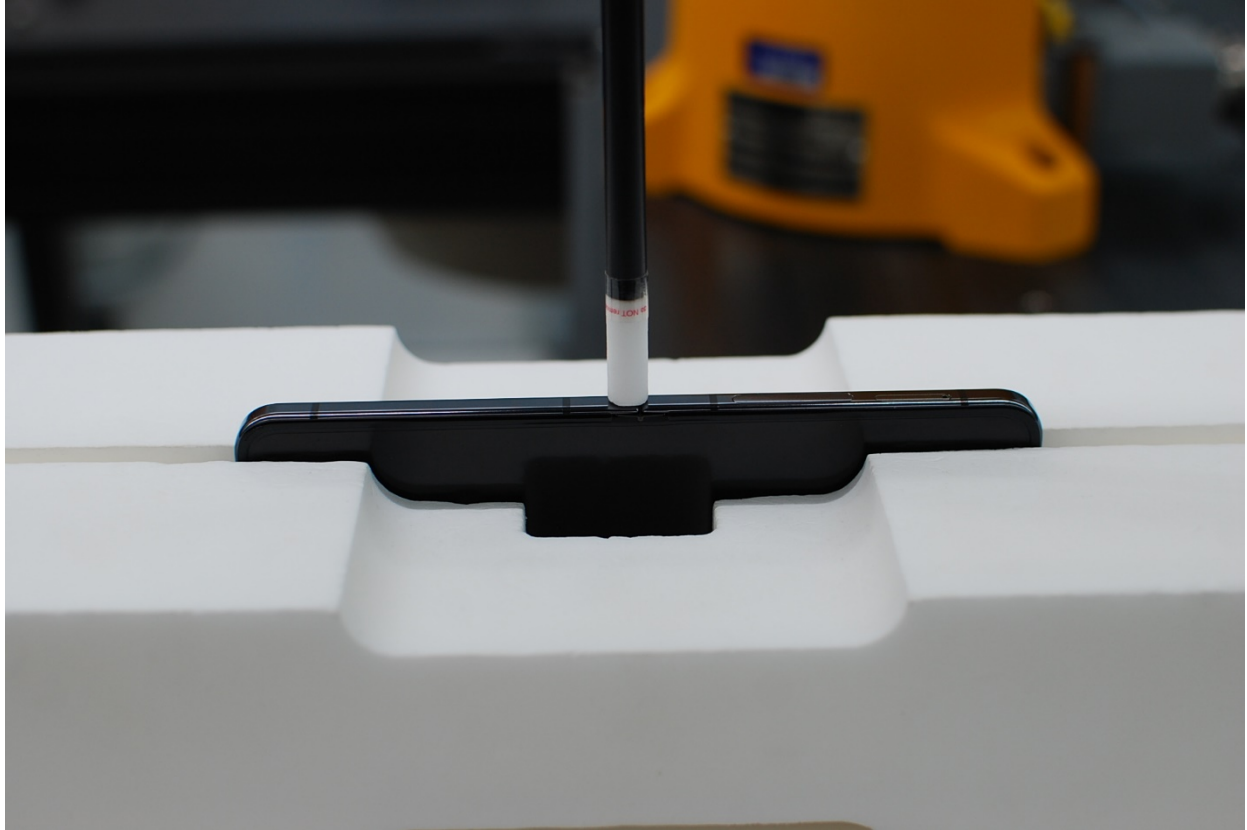


Figure F-20
Near Field Power Density Test Setup Photo – Left Edge at 2 mm, Open

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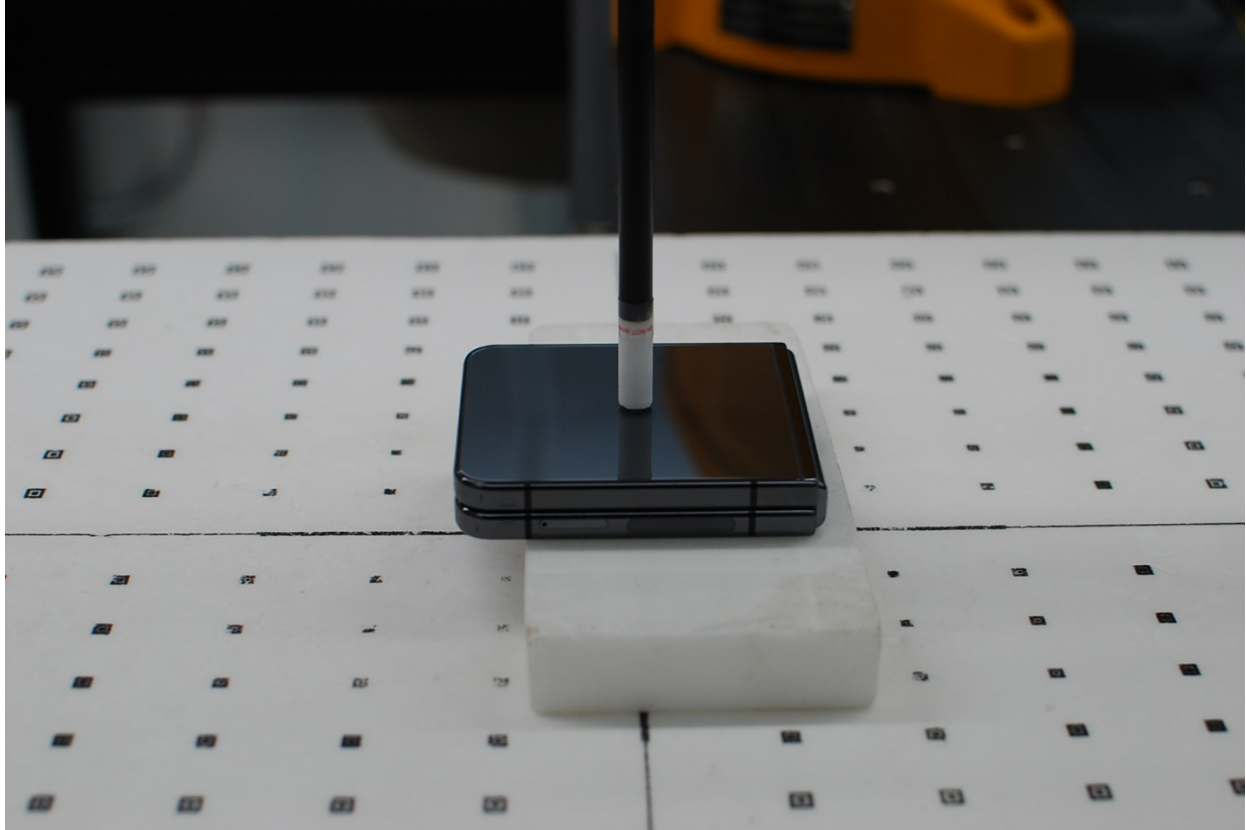


Figure F-21
Near Field Power Density Test Setup Photo – Back Side at 2 mm, Closed

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