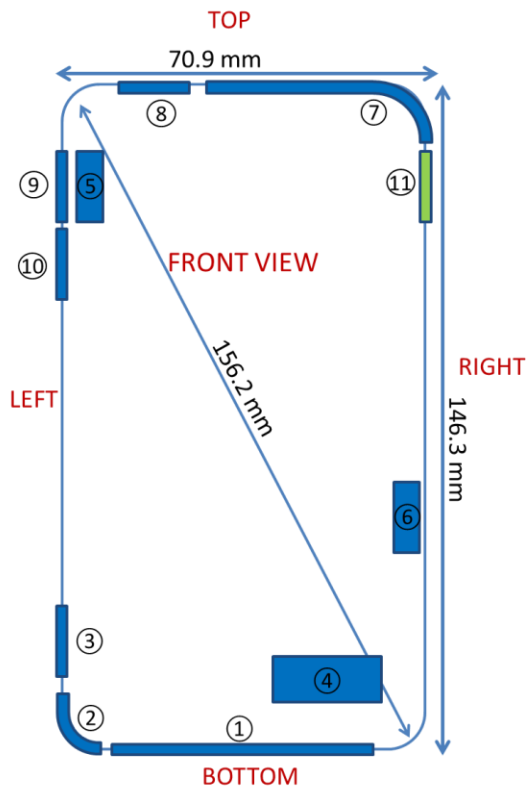


**APPENDIX K: DUT ANTENNA DIAGRAM & SAR TEST SETUP
PHOTOGRAPHS**

FCC ID: A3LSMS911U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX K: Page 1 of 14



- 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 Band 29 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. LTE Band 7/38/41
 2. NR Band n7
 3. NR Band n41 (SRS)
 4. NR Band n38/41 (Tx Hopping)
 5. NR Band n38 4x4 MIMO Rx only
- ③ Main Band Antenna III Tx/Rx (Ant C)
 1. NR Band n48/77 (SRS)
 2. LTE Band 48 Rx only
 3. LTE Band 2/4/25/30/66 4x4 MIMO Rx only
 4. NR Band n2/25/30/66 4x4 MIMO Rx only
- ④ Main Band Antenna IV Tx/Rx (Ant D)
 1. NR Band n41/48/77 (SRS)
 2. NR Band n41/48/77 4x4 DL MIMO Rx only
 3. LTE Band 41/48 4x4 MIMO Rx only
- ⑤ mmWave Tx/Rx (Ant M)
 1. NR mmWave Band n258/260/261
- ⑥ mmWave Tx/Rx (Ant N)
 1. NR mmWave Band n258/260/261

- ⑦ Sub Antenna I Tx/Rx (Ant E)
 1. NR Band n41 (SRS)
 2. GSM/GPRS/EDGE 850 Rx only
 3. UMTS Band V Rx only
 4. LTE Band 5/12/13/14/26/29/71 Rx only
 5. LTE Band 30/41 4x4 DL MIMO Rx only
 6. NR Band n5/12/26/71 Rx only
 7. NR Band n30/41 4x4 DL MIMO Rx only
 8. 5 GHz WLAN Ant 2
 9. 6 GHz WLAN Ant 2
 10. LAA Band 46 Rx only
- ⑧ Sub Antenna II Tx/Rx (Ant F)
 1. LTE Band 48
 2. LTE Band 2/4/7/25/30/38/41/66 (Tx Hopping)
 3. NR Band n38/41/48/77
 4. NR Band n2/25/7/30/66 (Tx Hopping)
 5. GSM/GPRS/EDGE 1900 Rx only
 6. UMTS Band II/IV Rx only
 7. LTE Band 2/4/7/25/30/38/41/66 Rx only
 8. NR Band n2/25/7/30/66 Rx only
 9. GPS L1 Rx only
- ⑨ Sub Antenna IV Tx/Rx (Ant H)
 1. LTE Band 2/4/25/66 4x4 DL MIMO Rx only
 2. NR Band n2/25/66 4x4 DL MIMO Rx only
 3. LAA Band 46 Rx only
 4. 2.4 GHz WLAN Ant 1
 5. 2.4 GHz Bluetooth Ant 1
 6. 5 GHz WLAN Ant 1
 7. 6 GHz WLAN Ant 1
- ⑩ Sub Antenna V Tx/Rx (Ant I)
 1. NR Band n48/77 (SRS)
 2. LTE Band 48 4x4 DL MIMO Rx only
- ⑪ Sub Antenna VI Tx/Rx (Ant J)
 1. 2.4 GHz WLAN Ant 2
 2. 2.4 GHz Bluetooth 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

FCC ID: A3LSMS911U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX K: Page 2 of 14

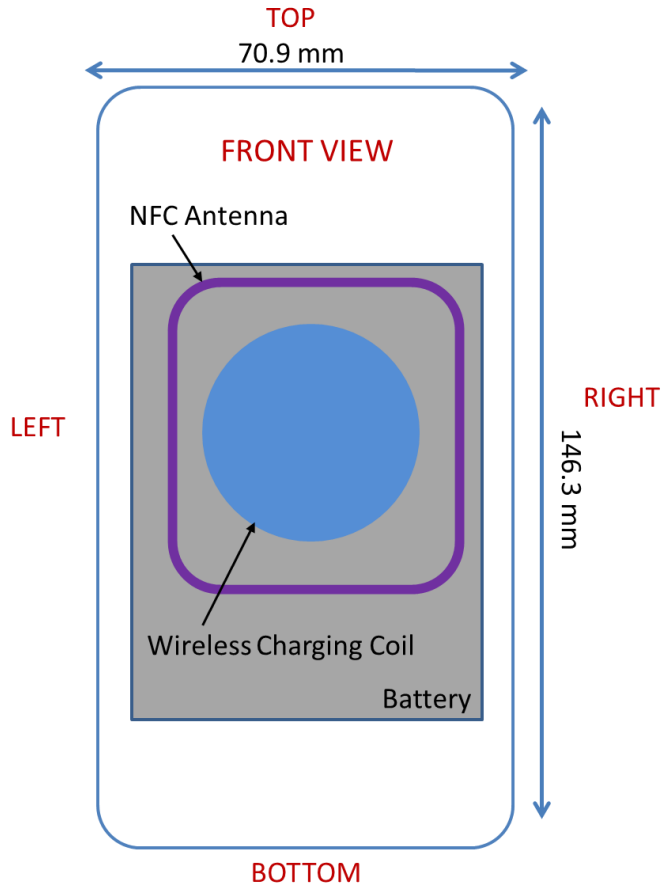
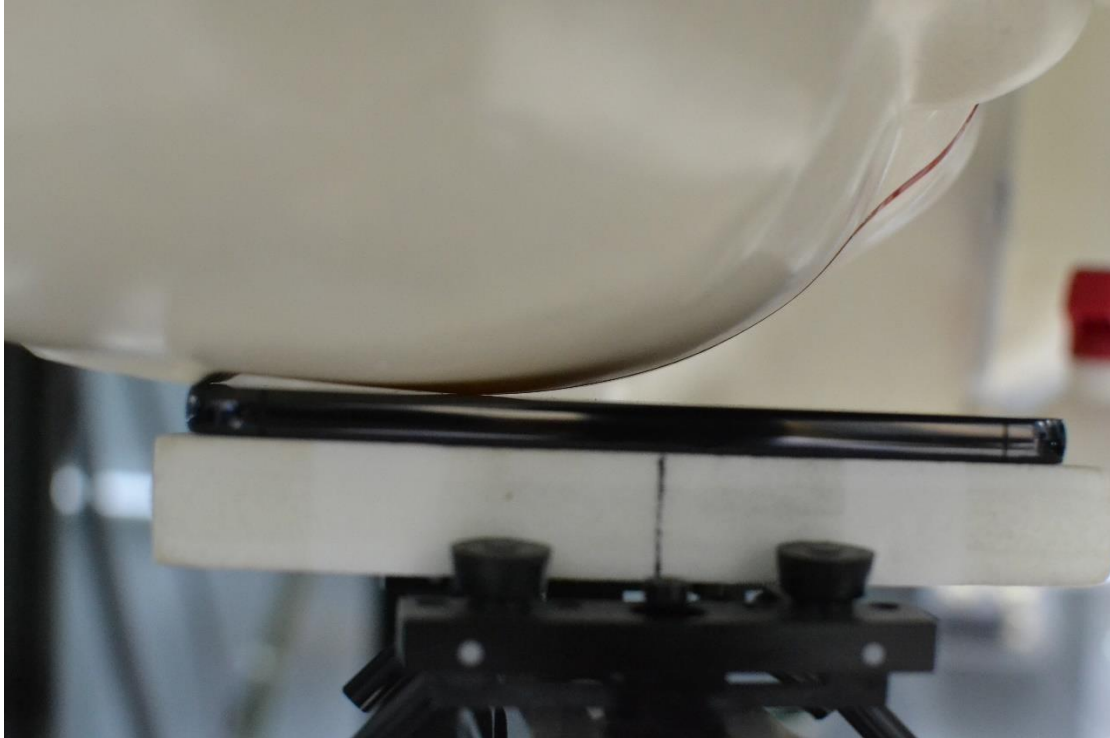
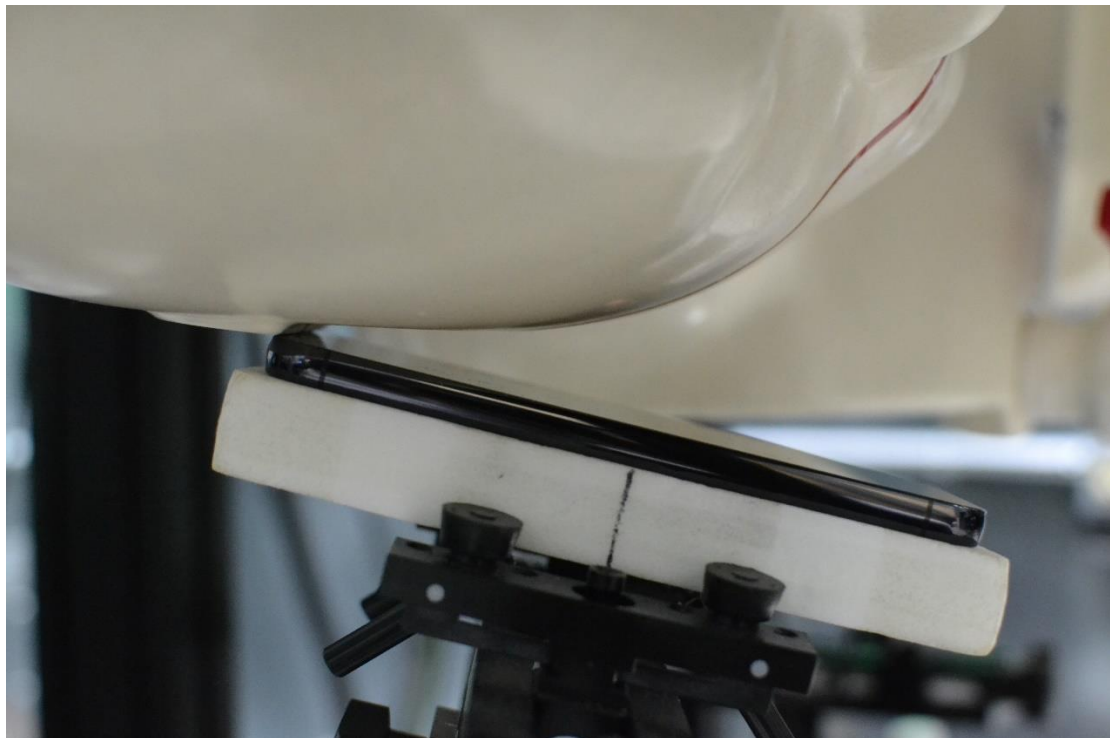


Figure K-2
NFC Antenna Locations

FCC ID: A3LSMS911U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX K: Page 3 of 14

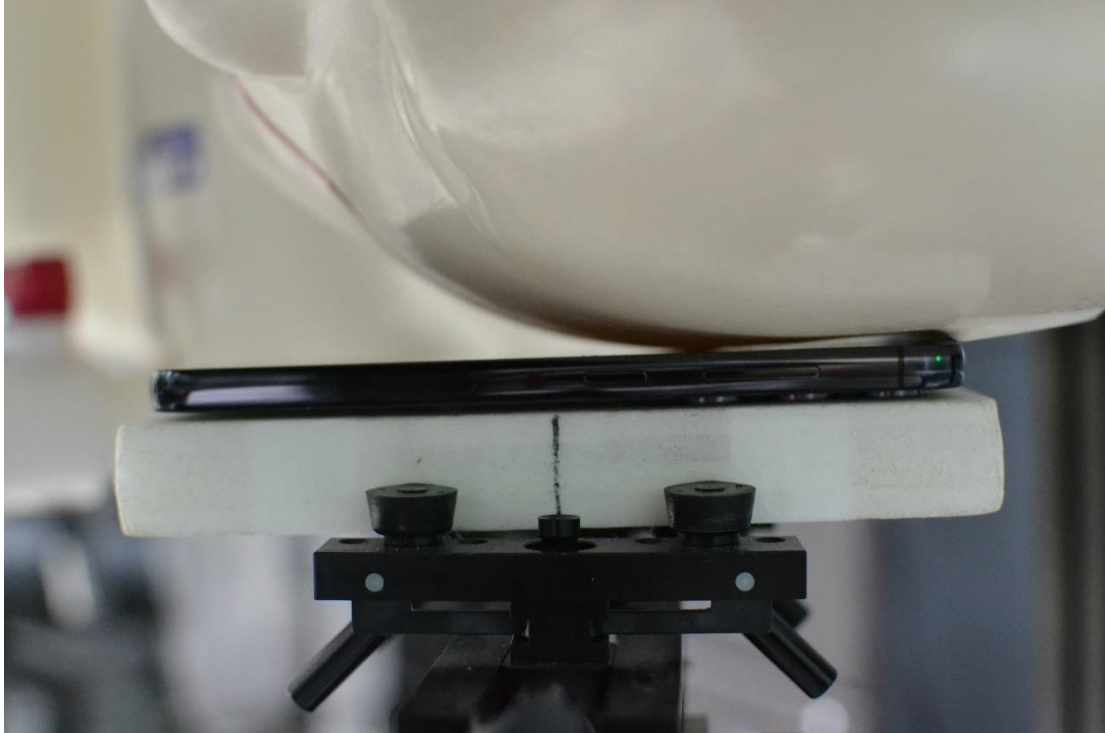


SAR Test Setup Photo 1 – Head, Right Cheek at 0mm

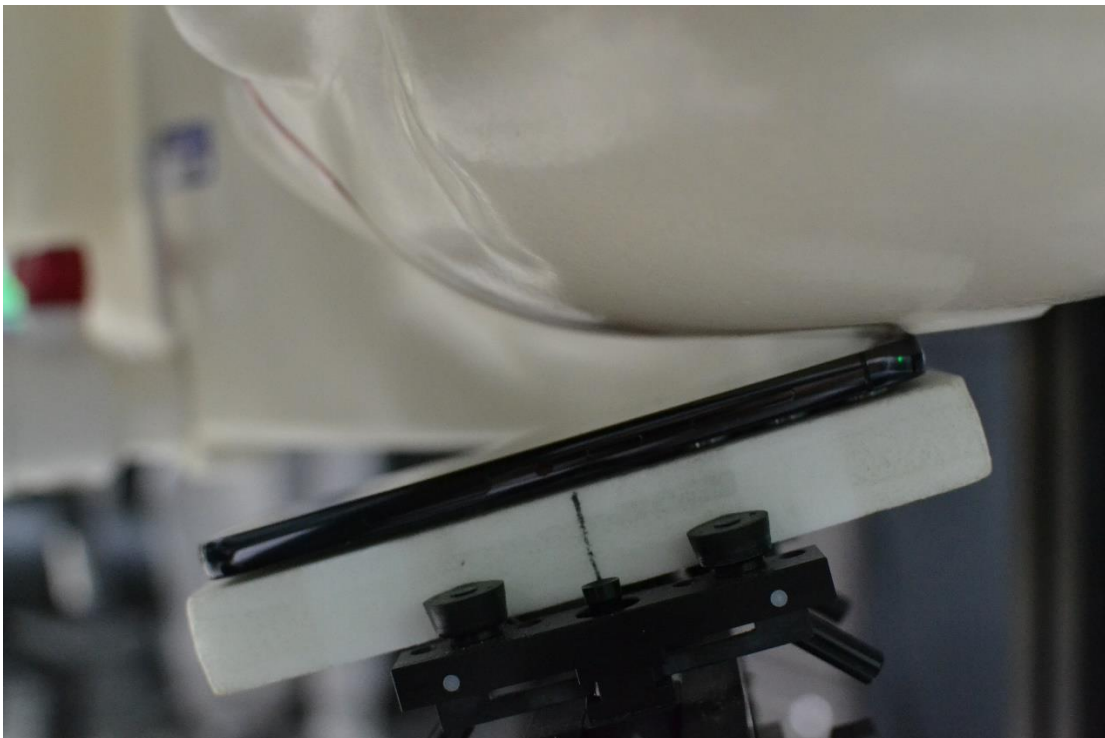


SAR Test Setup Photo 2 – Head, Right Tilt at 0mm

FCC ID: A3LSMS911U	SAR EVALUATION REPORT	Approved by: Technical Manager
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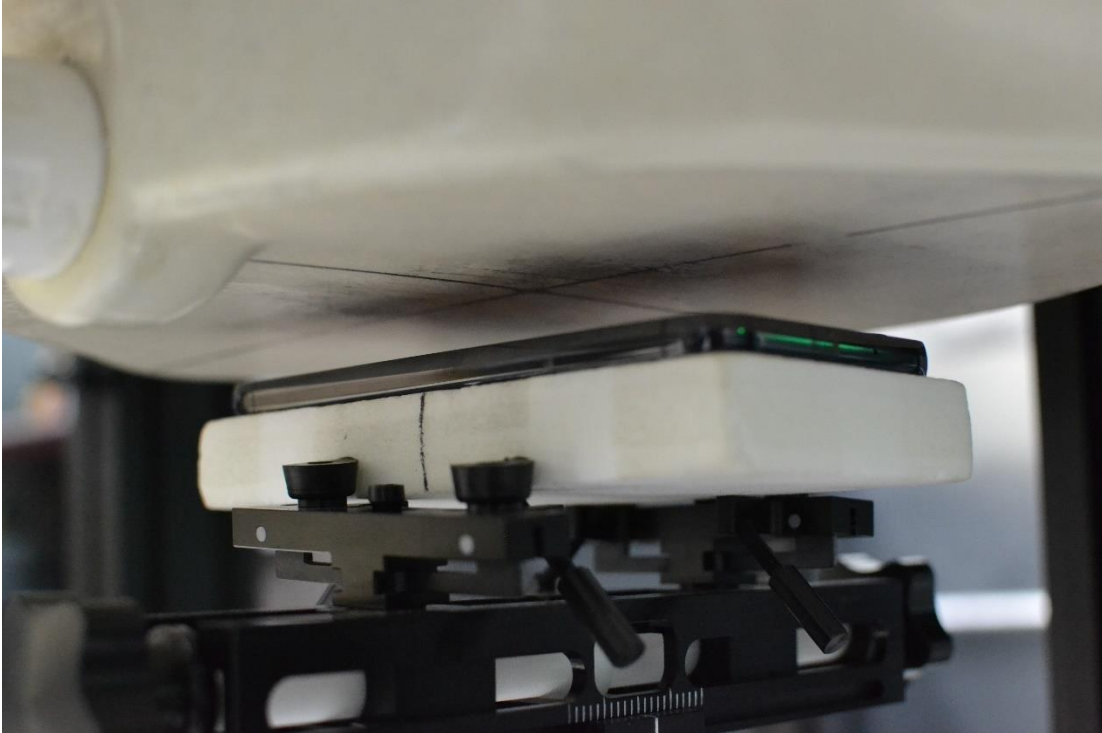


SAR Test Setup Photo 3 – Head, Left Cheek at 0mm

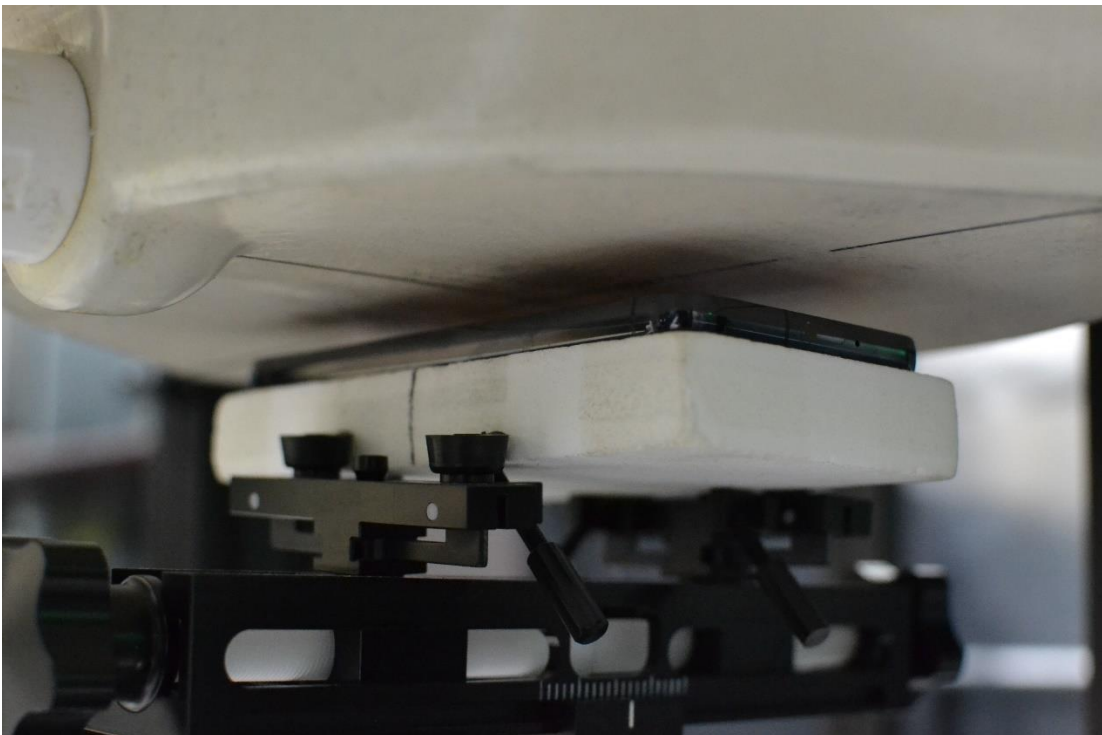


SAR Test Setup Photo 4 – Head, Left Tilt at 0mm

FCC ID: A3LSMS911U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX K: Page 5 of 14

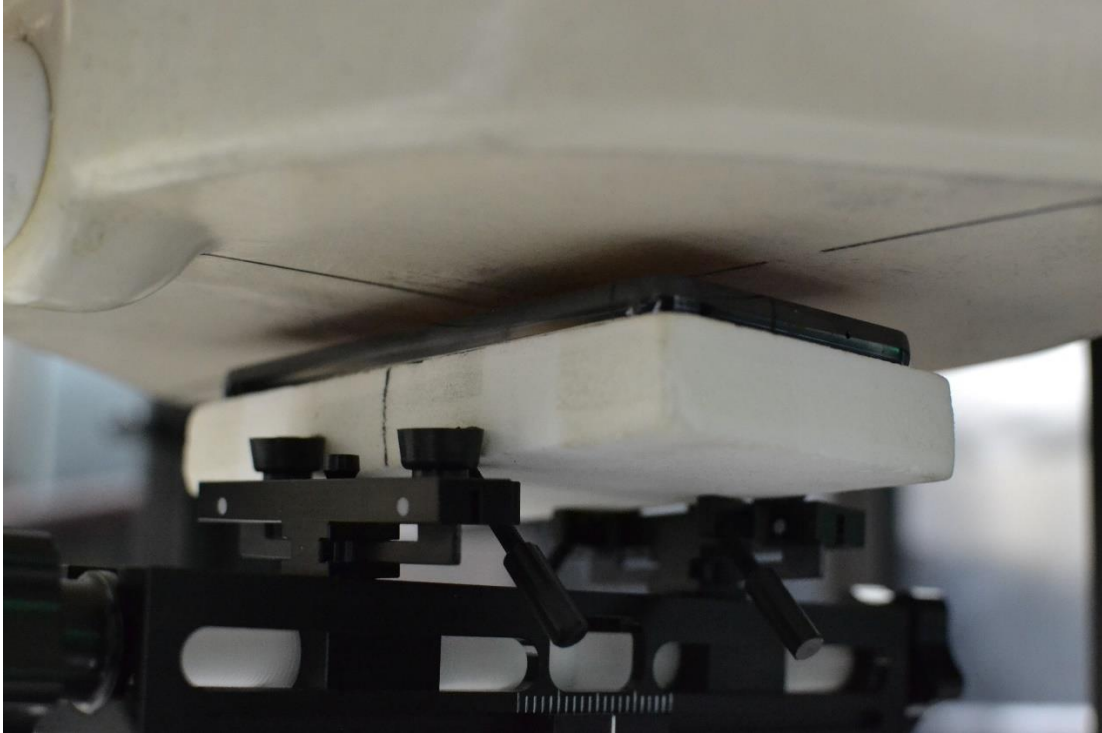


SAR Test Setup Photo 5 – Body-worn, Back Side at 15mm

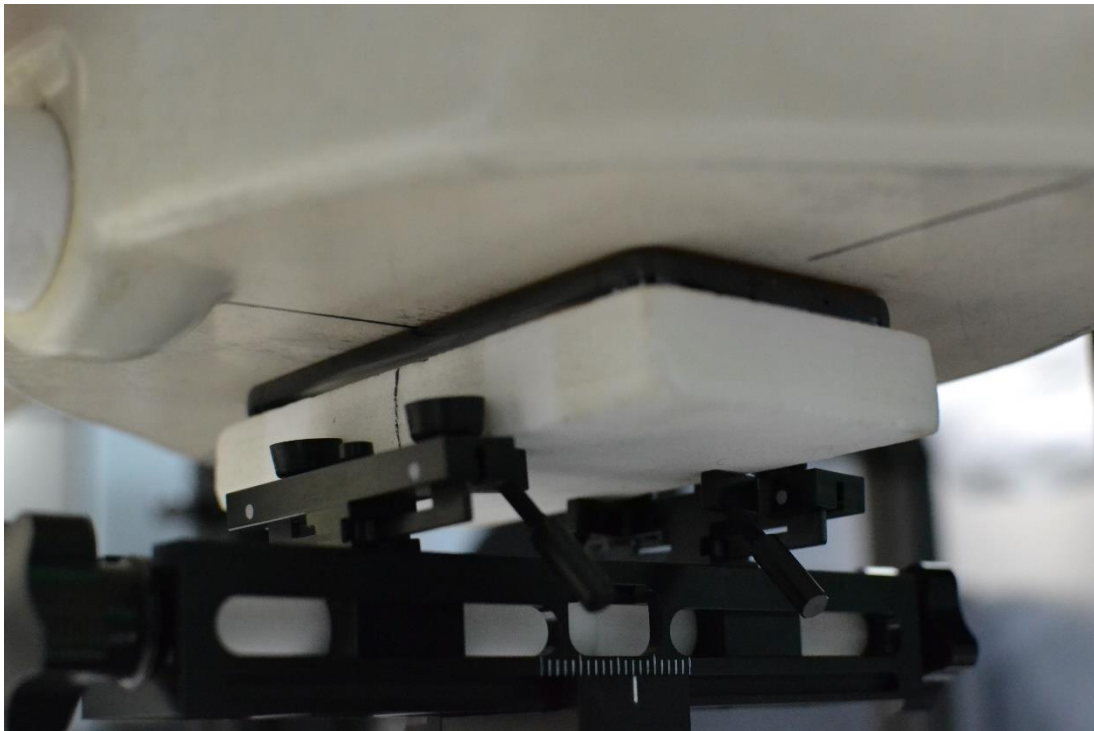


SAR Test Setup Photo 6 – Hotspot, Back Side at 10mm

FCC ID: A3LSMS911U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX K: Page 6 of 14

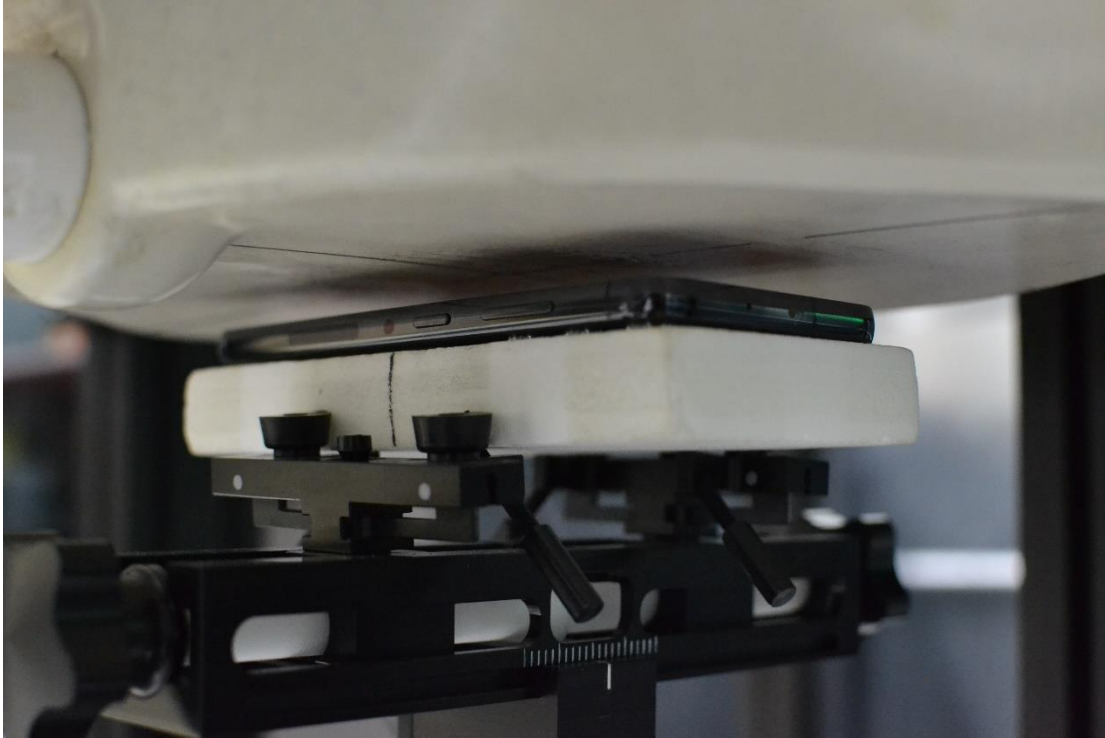


SAR Test Setup Photo 7 – Phablet, Back Side at 8mm

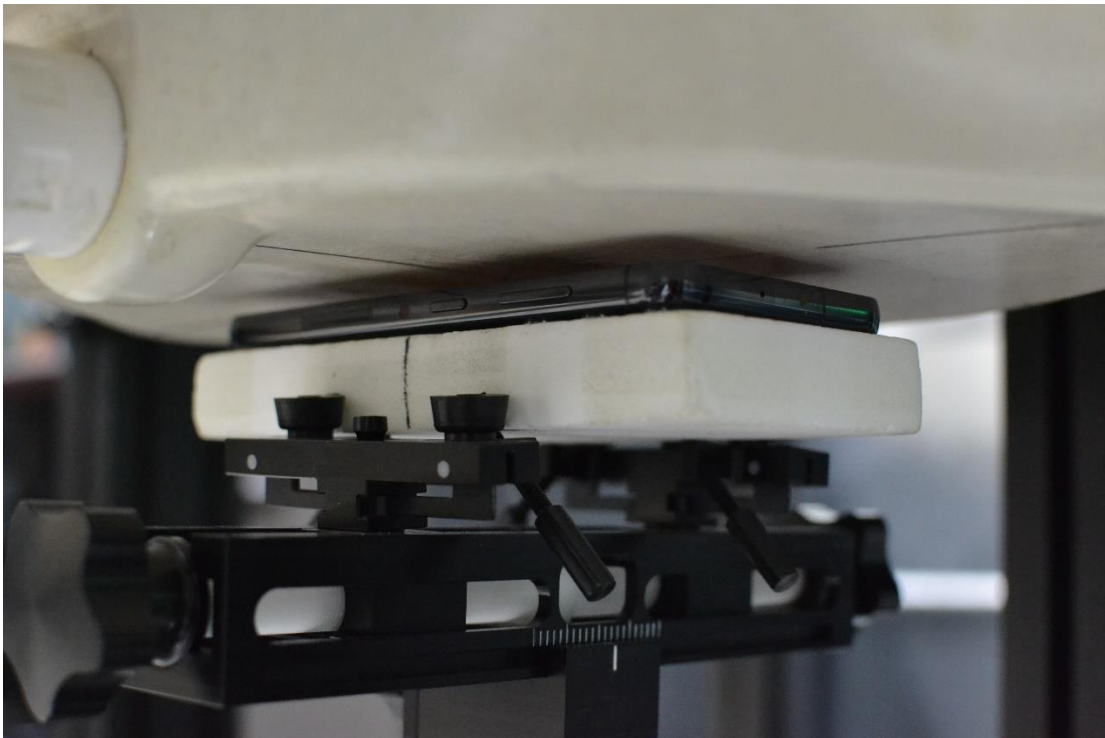


SAR Test Setup Photo 8 – Phablet, Back Side at 0mm

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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 – Phablet, Bottom Edge at 11mm

FCC ID: A3LSMS911U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX K: Page 9 of 14



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

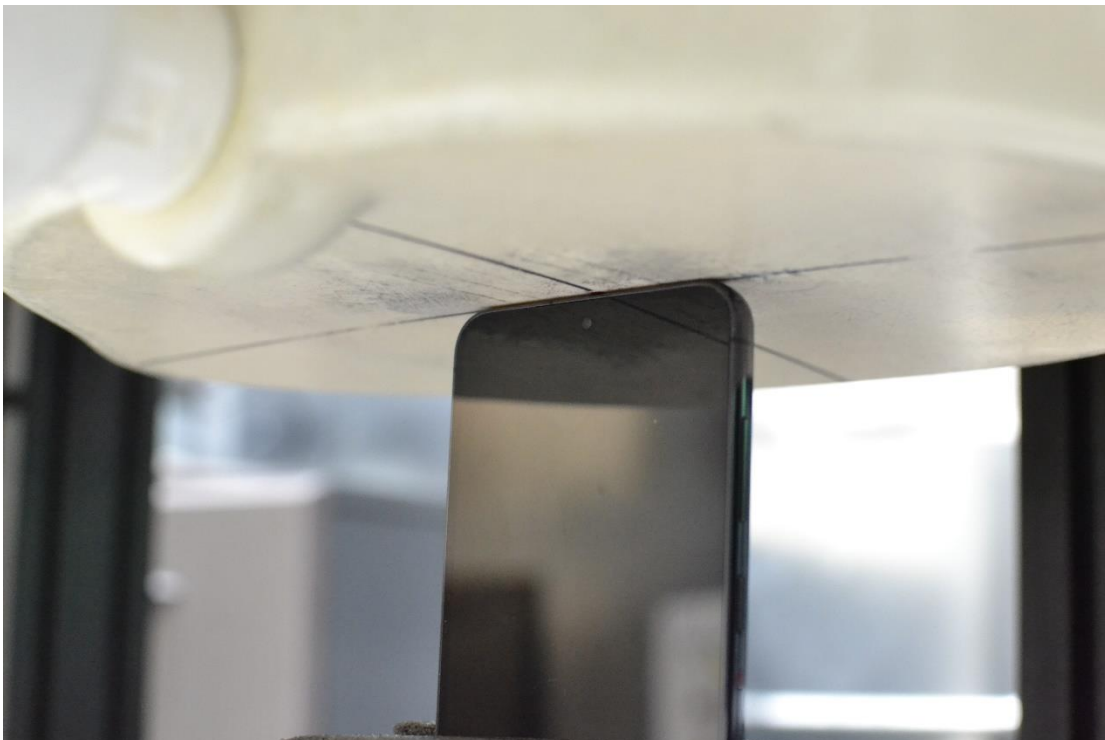


SAR Test Setup Photo 14 – Phablet, Bottom Edge at 0mm

FCC ID: A3LSMS911U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX K: Page 10 of 14

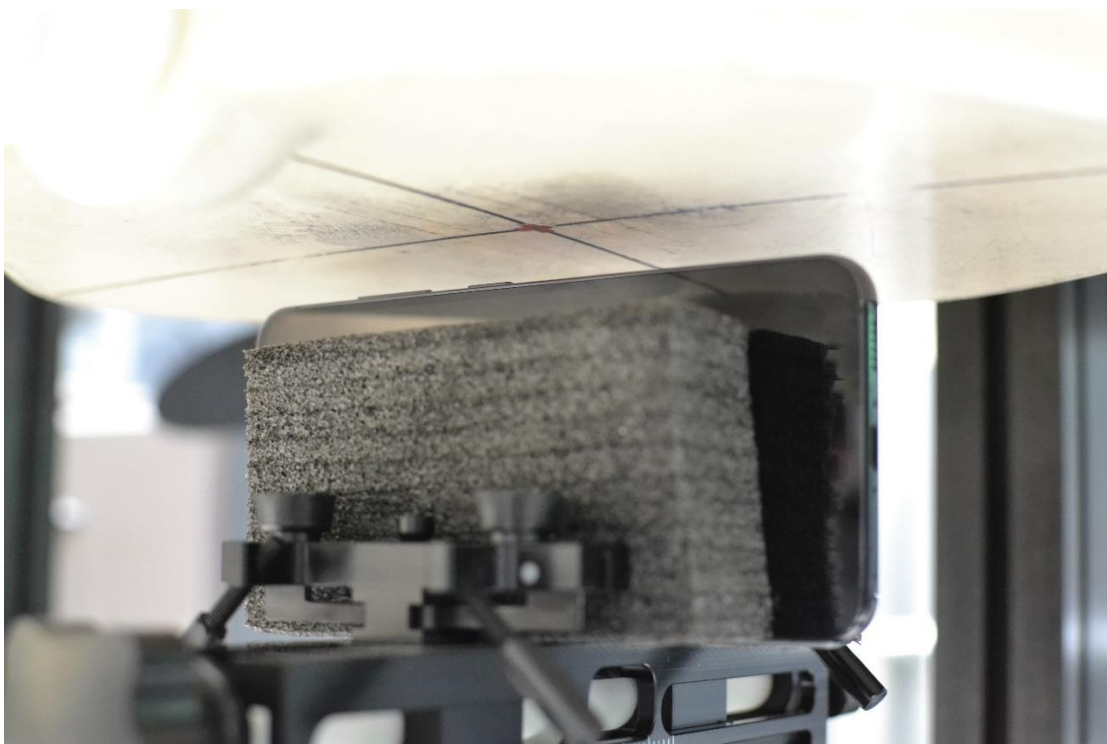


SAR Test Setup Photo 15 – Hotspot, Top Edge at 10mm

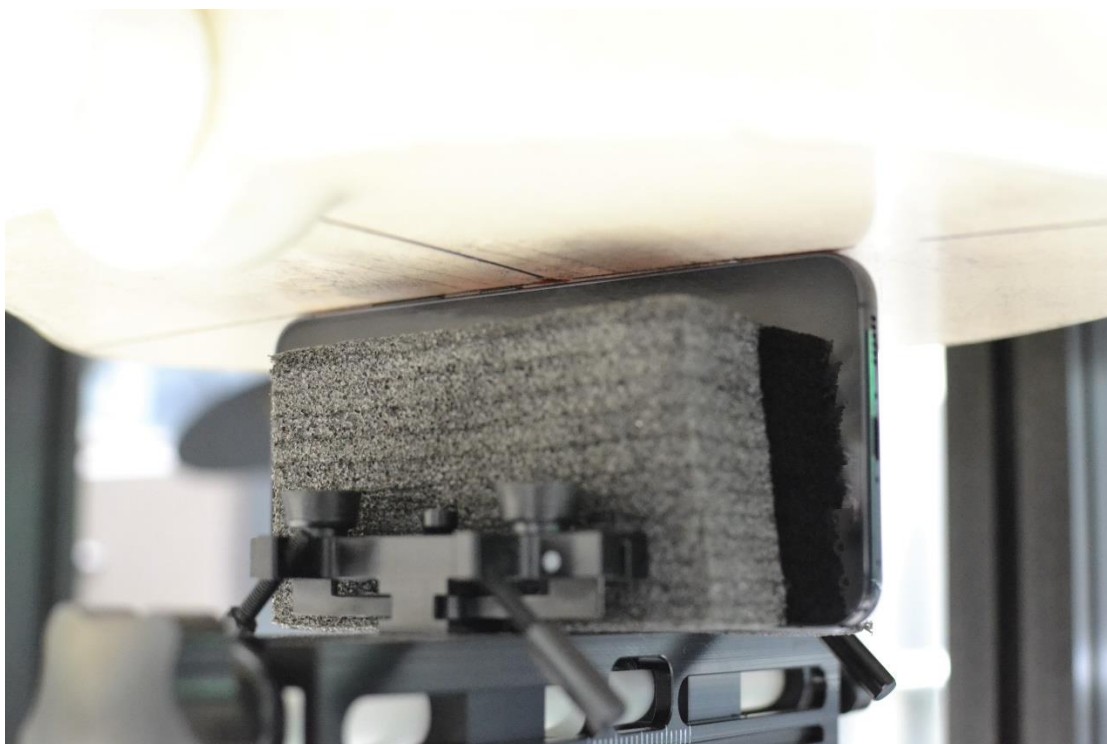


SAR Test Setup Photo 16 – Phablet, Top Edge at 0mm

FCC ID: A3LSMS911U	SAR EVALUATION REPORT	Approved by: Technical Manager
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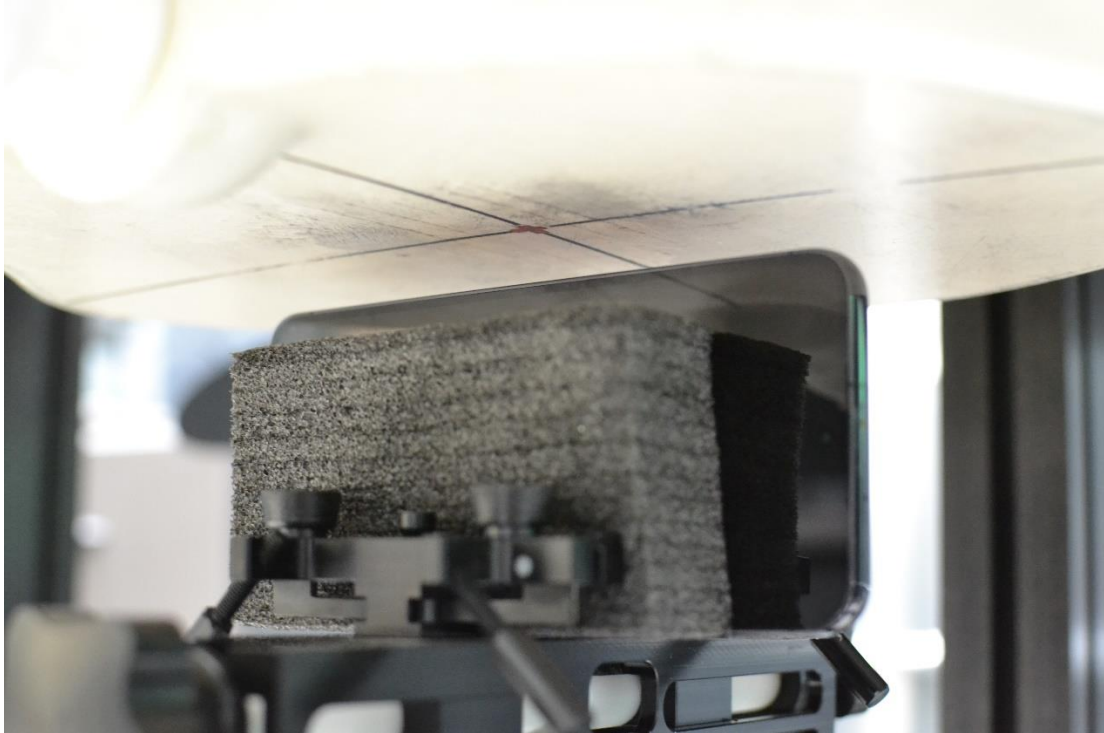


SAR Test Setup Photo 17 – Hotspot, Right Edge at 10mm

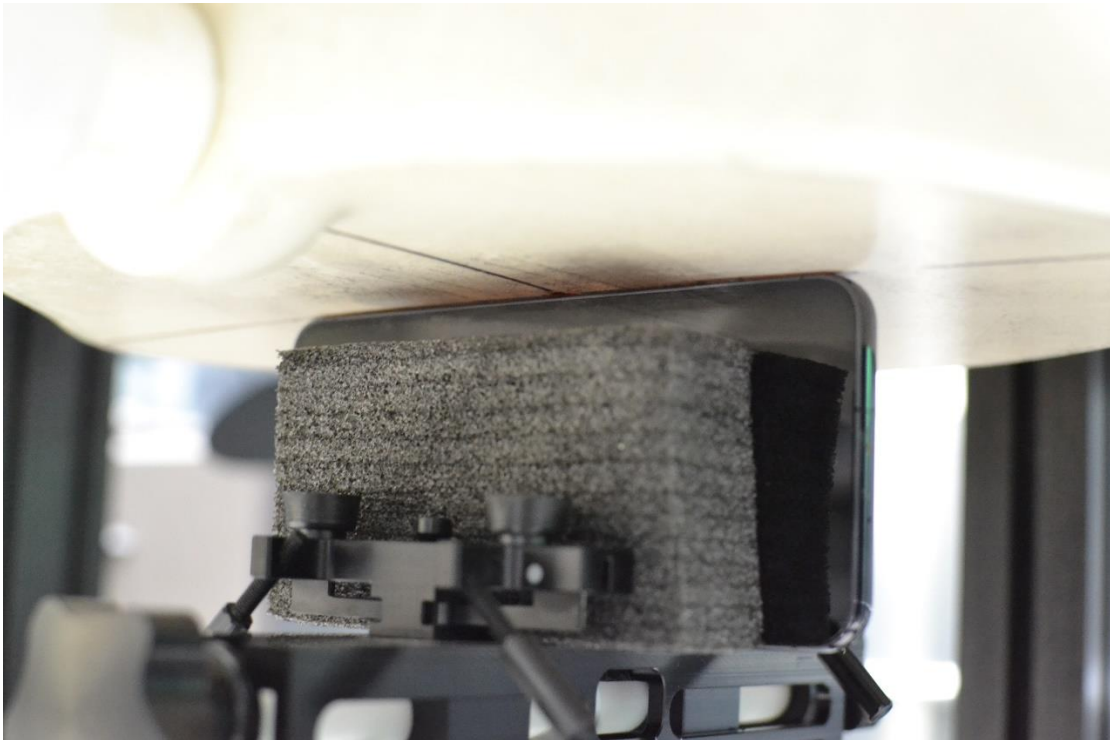


SAR Test Setup Photo 18 – Phablet, Right Edge at 0mm

FCC ID: A3LSMS911U	SAR EVALUATION REPORT	Approved by: Technical Manager
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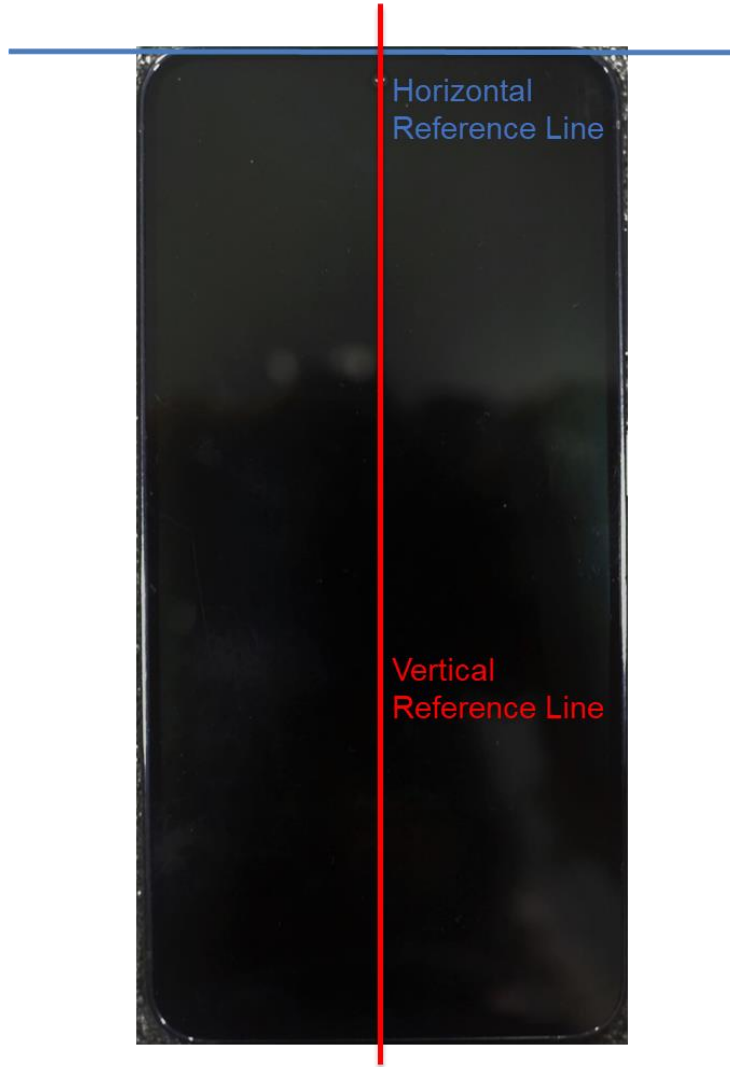


SAR Test Setup Photo 19 – Hotspot, Left Edge at 10mm



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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