

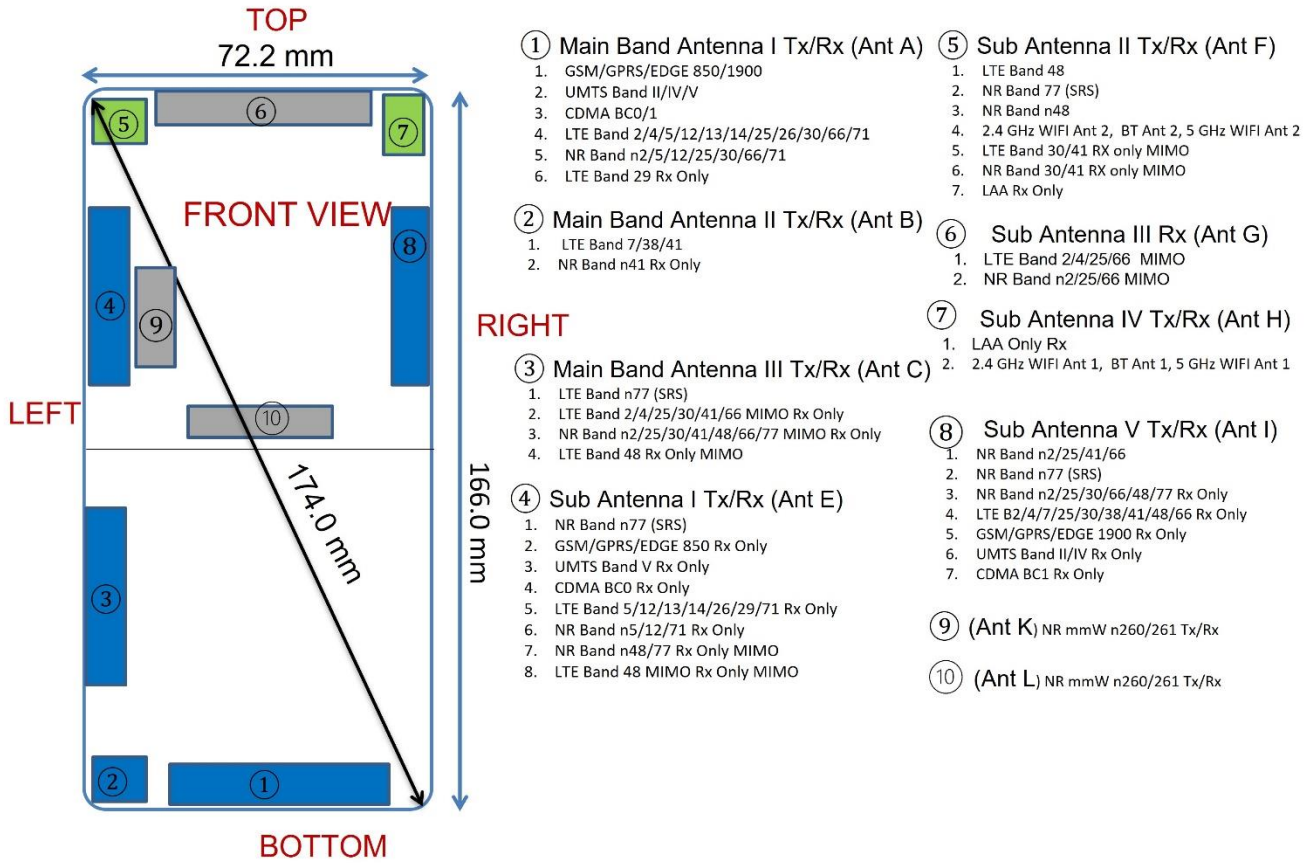




APPENDIX E: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS

FCC ID A3LSMF711U1	 PCTEST <small>Proud to be part of @Samsung</small>	SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 12/14/21 – 12/21/21 & 02/07/22	DUT Type: Portable Handset			APPENDIX E: Page 1 of 13



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

Figure E-1
DUT Antenna Locations Open Configuration

FCC ID A3LSMF711U1	 PCTEST Proud to be part of Samsung	SAR EVALUATION REPORT		Approved by: Quality Manager
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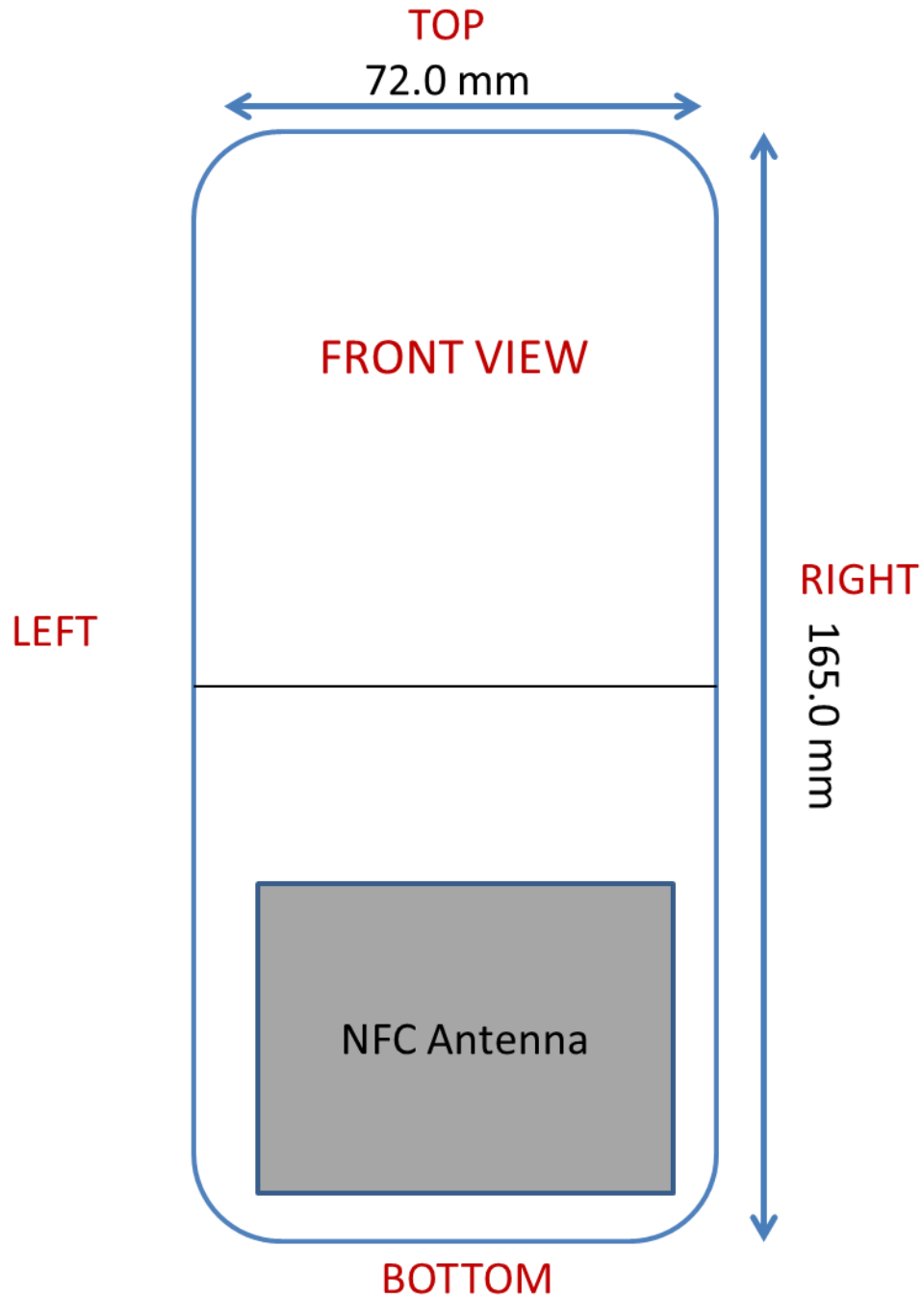


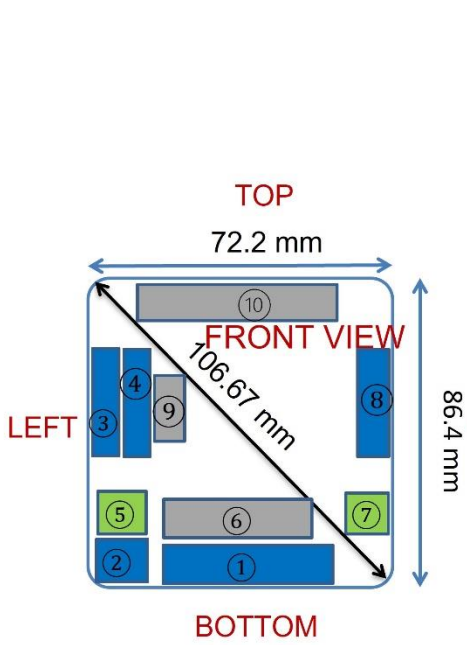


Figure E-2
NFC Antenna Open Configuration Locations

FCC ID A3LSMF711U1	 <small>Head to be part of Samsung</small>	SAR EVALUATION REPORT		Approved by: Quality Manager
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- ① Main Band Antenna I Tx/Rx (Ant A)
 1. GSM/GPRS/EDGE 850/1900
 2. UMTS Band II/IV/V
 3. CDMA BC0/1
 4. LTE Band 2/4/5/12/13/14/25/26/30/66/71
 5. NR Band n2/5/12/25/30/66/71
 6. LTE Band 29 Rx Only
- ② Main Band Antenna II Tx/Rx (Ant B)
 1. LTE Band 7/38/41
 2. NR Band n41 Rx Only
- ③ Main Band Antenna III Tx/Rx (Ant C)
 1. LTE Band n77 (SRS)
 2. LTE Band 2/4/25/30/41/66 MIMO Rx Only
 3. NR Band n2/25/30/41/48/66/77 MIMO Rx Only
 4. LTE Band 48 Rx Only MIMO
- ④ Sub Antenna I Tx/Rx (Ant E)
 1. NR Band n77 (SRS)
 2. GSM/GPRS/EDGE 850 Rx Only
 3. UMTS Band V Rx Only
 4. CDMA BC0 Rx Only
 5. LTE Band 5/12/13/14/26/29/71 Rx Only
 6. NR Band n5/12/71 Rx Only
 7. NR Band n48/77 Rx Only MIMO
 8. LTE Band 48 MIMO Rx Only MIMO
- ⑤ Sub Antenna II Tx/Rx (Ant F)
 1. LTE Band 48
 2. NR Band 77 (SRS)
 3. NR Band n48
 4. 2.4 GHz WIFI Ant 2, BT Ant 2, 5 GHz WIFI Ant 2
 5. LTE Band 30/41 RX only MIMO
 6. NR Band 30/41 RX only MIMO
 7. LAA Rx Only
- ⑥ Sub Antenna III Rx (Ant G)
 1. LTE Band 2/4/25/66 MIMO
 2. NR Band n2/25/66 MIMO
- ⑦ Sub Antenna IV Tx/Rx (Ant H)
 1. LAA Only Rx
 2. 2.4 GHz WIFI Ant 1, BT Ant 1, 5 GHz WIFI Ant 1
- ⑧ Sub Antenna V Tx/Rx (Ant I)
 1. NR Band n2/25/41/66
 2. NR Band n77 (SRS)
 3. NR Band n2/25/30/48/66/77 Rx Only
 4. LTE B2/4/7/25/30/38/41/48/66 Rx Only
 5. GSM/GPRS/EDGE 1900 Rx Only
 6. UMTS Band II/IV Rx Only
 7. CDMA BC1 Rx Only
- ⑨ (Ant K) NR mmW n260/261 Tx/Rx
- ⑩ (Ant L) NR mmW n260/261 Tx/Rx

Figure E-3
DUT Antenna Locations Closed Configuration

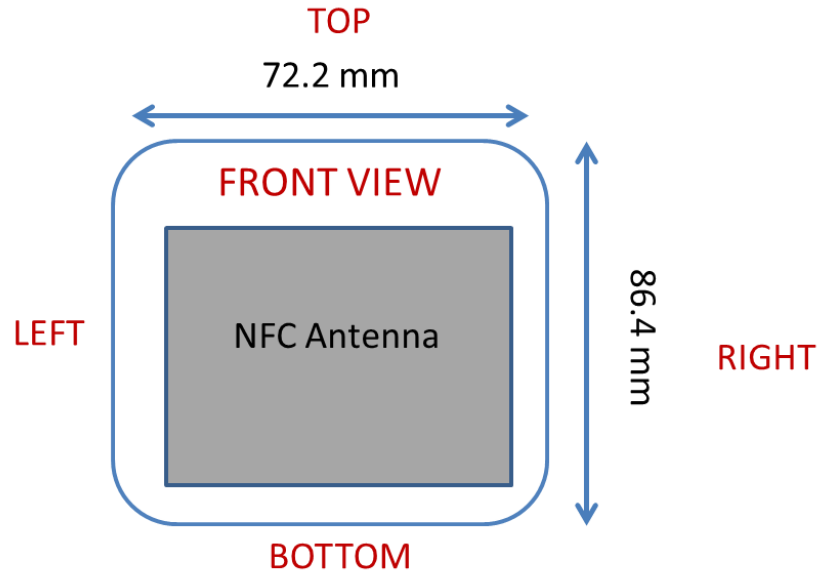
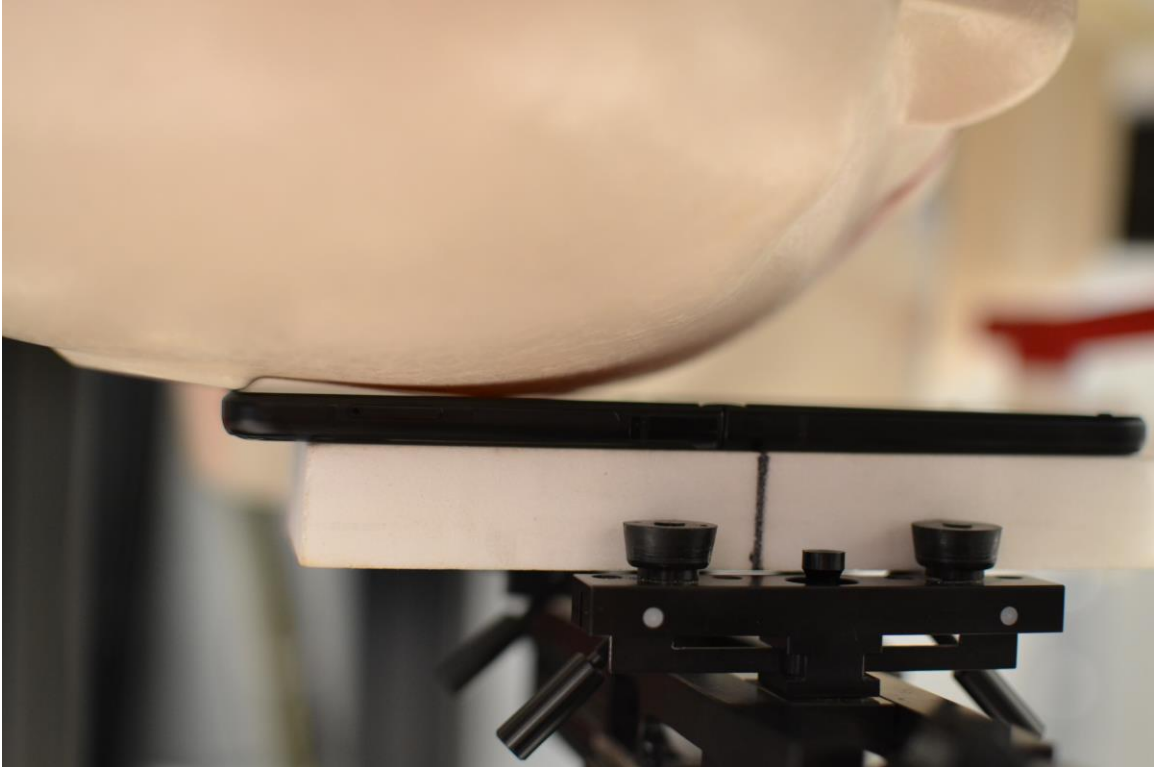
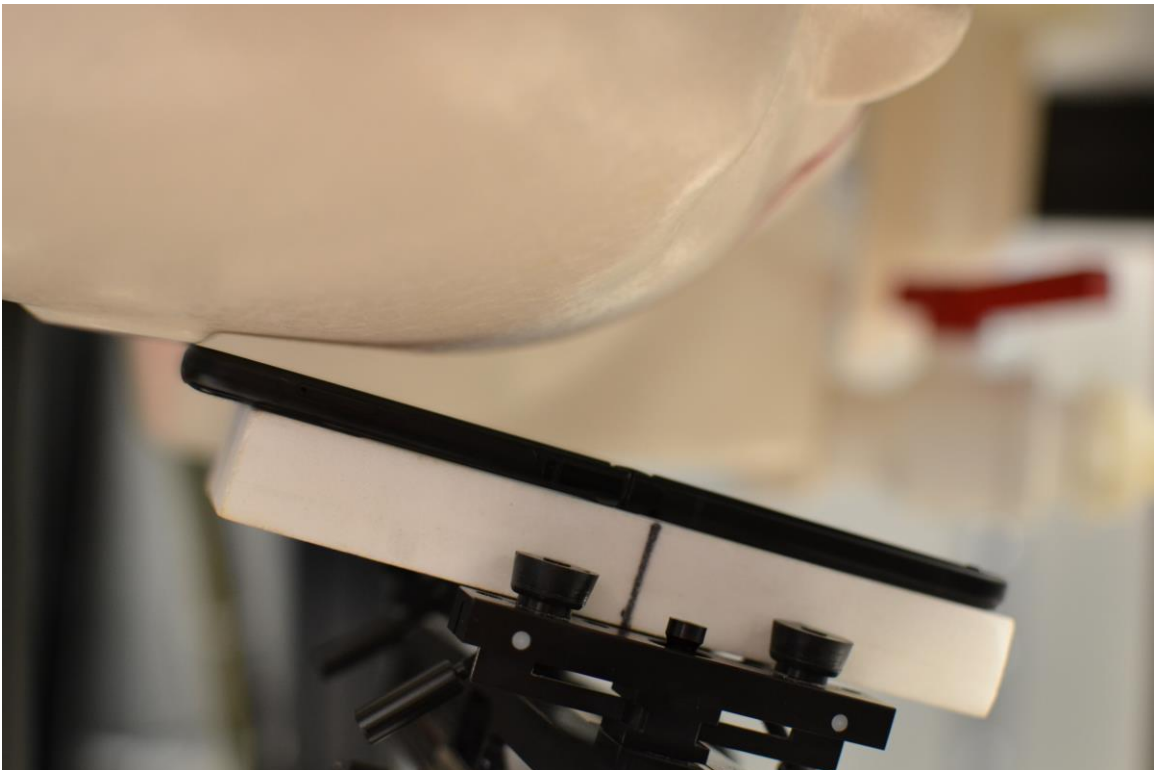


Figure E-4
NFC Antenna Closed Configuration Locations



FCC ID A3LSMF711U1	PCTEST Proud to be part of Samsung	SAR EVALUATION REPORT		Approved by: Quality Manager
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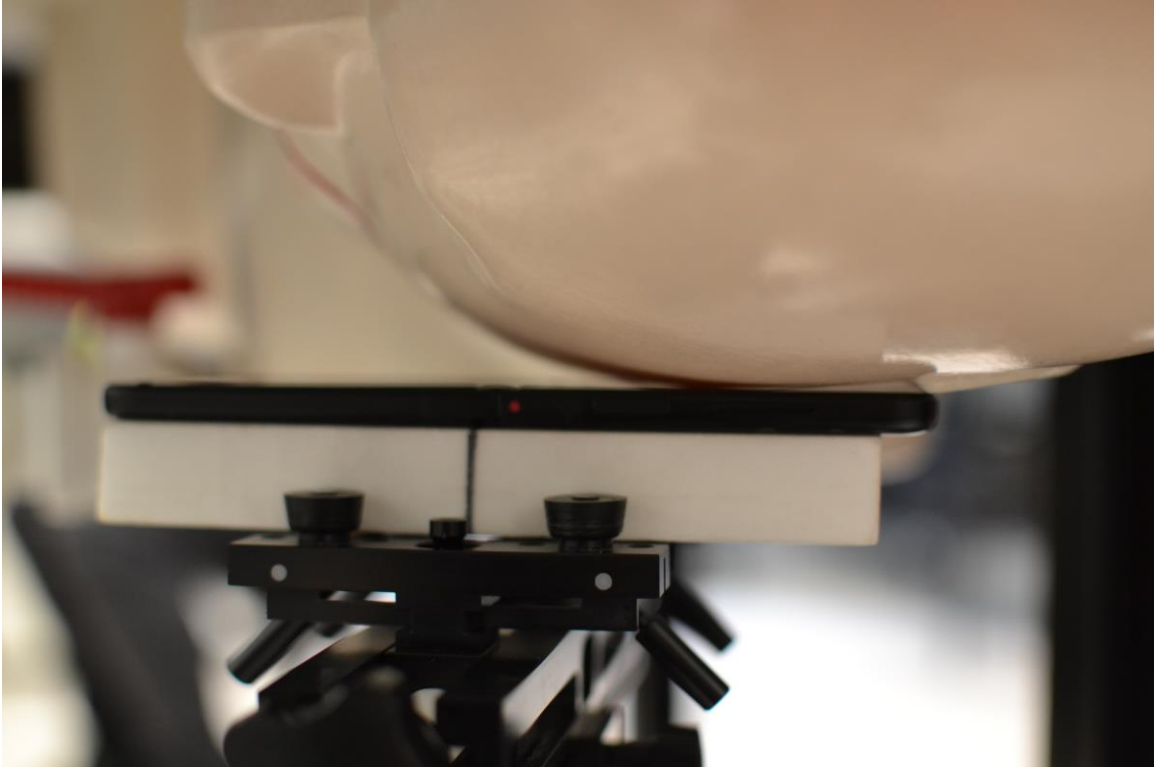


SAR Test Setup Photo 1 – Head, Right Cheek, 0 mm

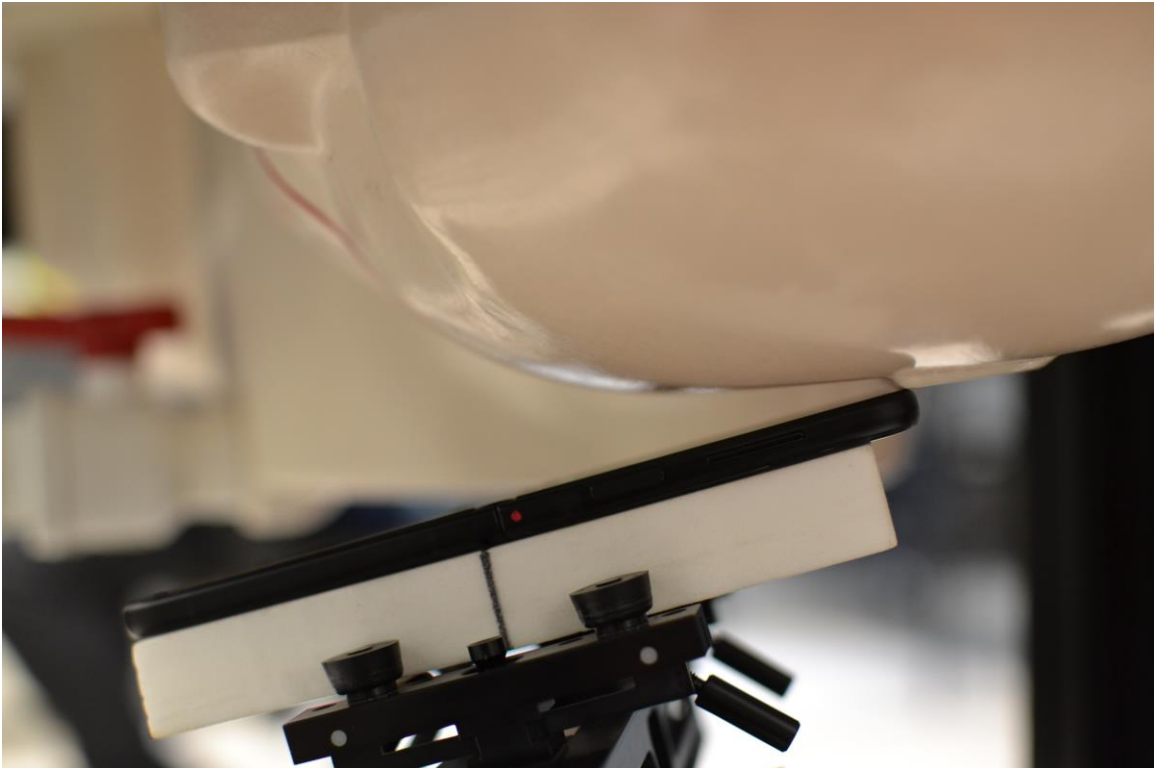


SAR Test Setup Photo 2 – Head, Right Tilt, 0 mm



FCC ID A3LSMF711U1	 <small>Head to be part of Samsung</small>	SAR EVALUATION REPORT		Approved by: Quality Manager
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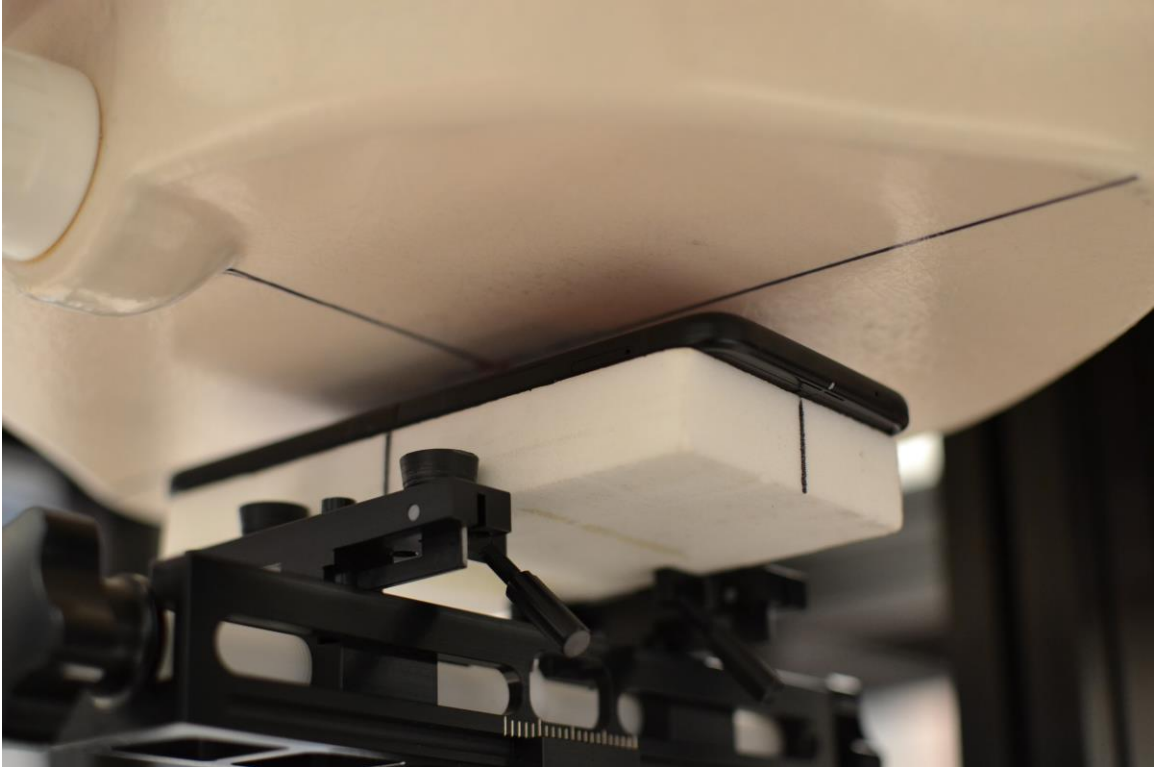


SAR Test Setup Photo 3 – Head, Left Cheek, 0 mm

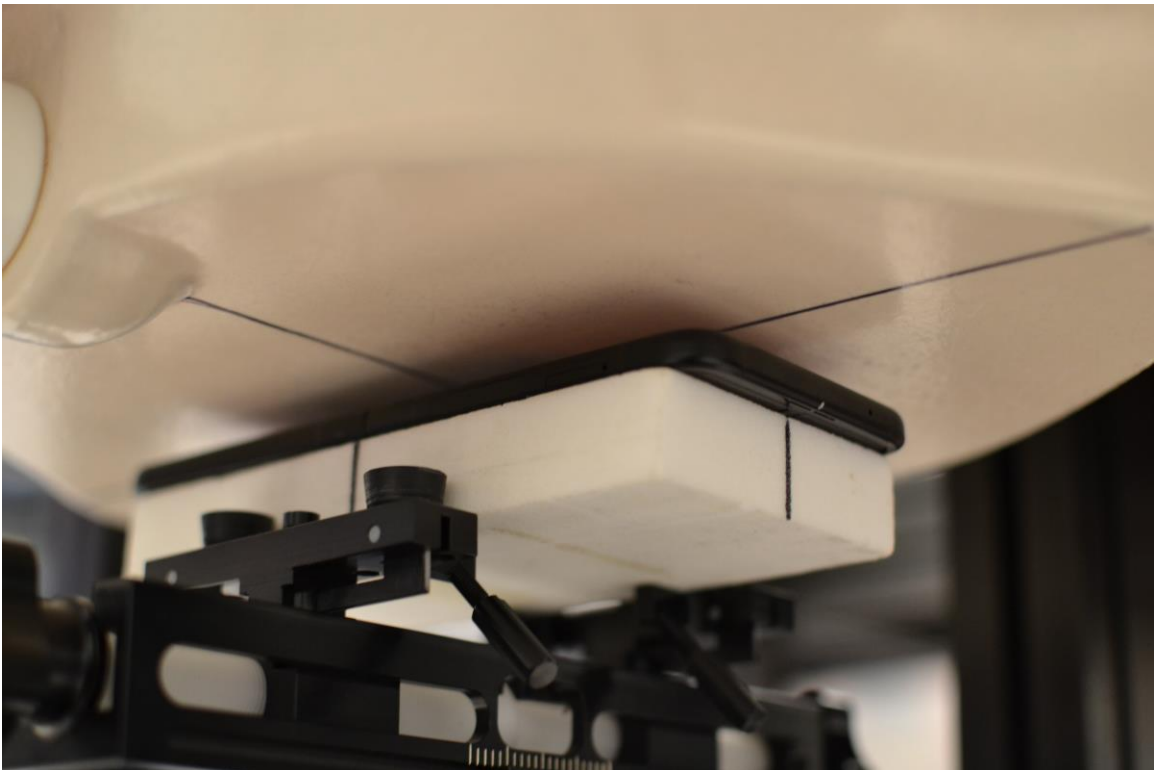


SAR Test Setup Photo 4 – Head, Left Tilt, 0mm



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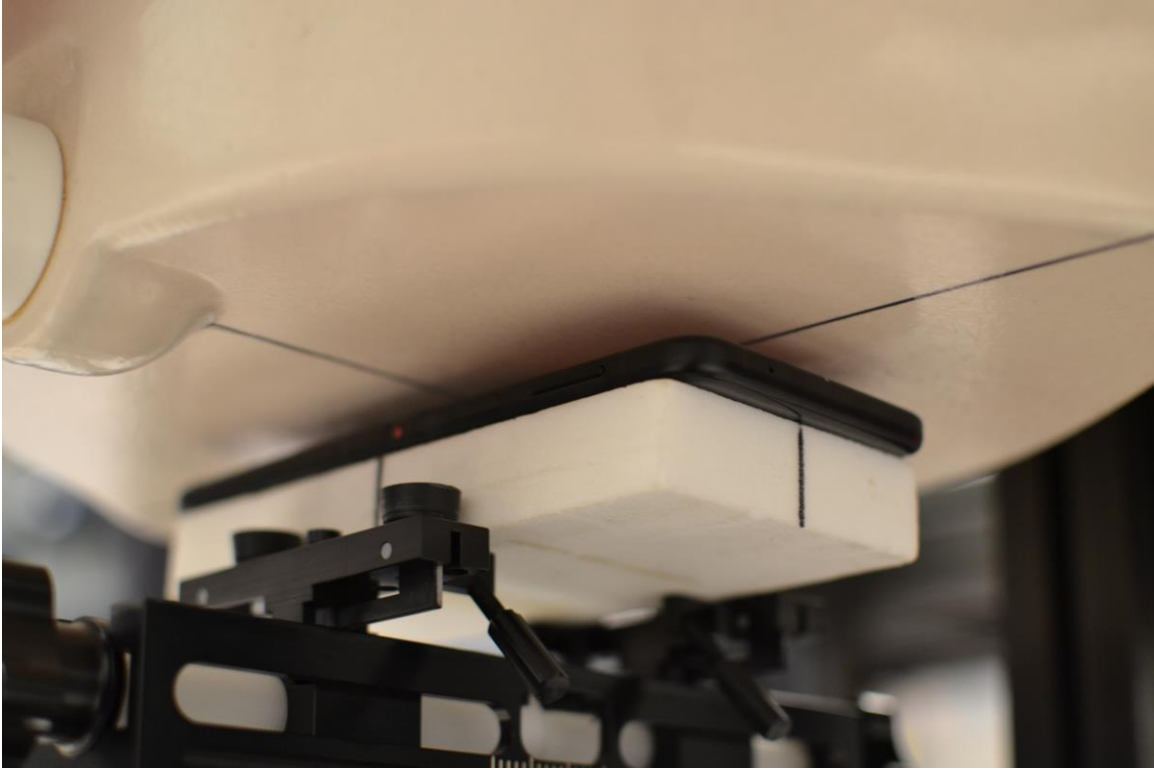


SAR Test Setup Photo 5 – Body-Worn, Back Side at 15 mm



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



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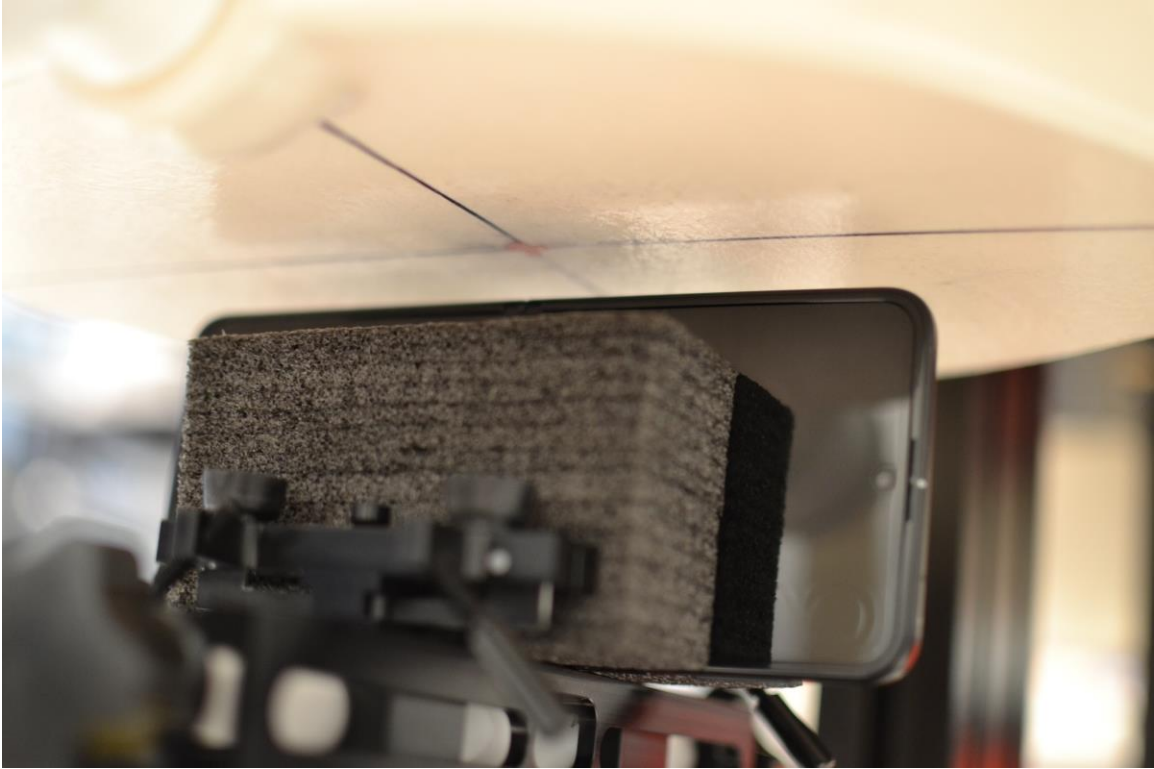


SAR Test Setup Photo 7 – Hotspot, Front Side, 10 mm

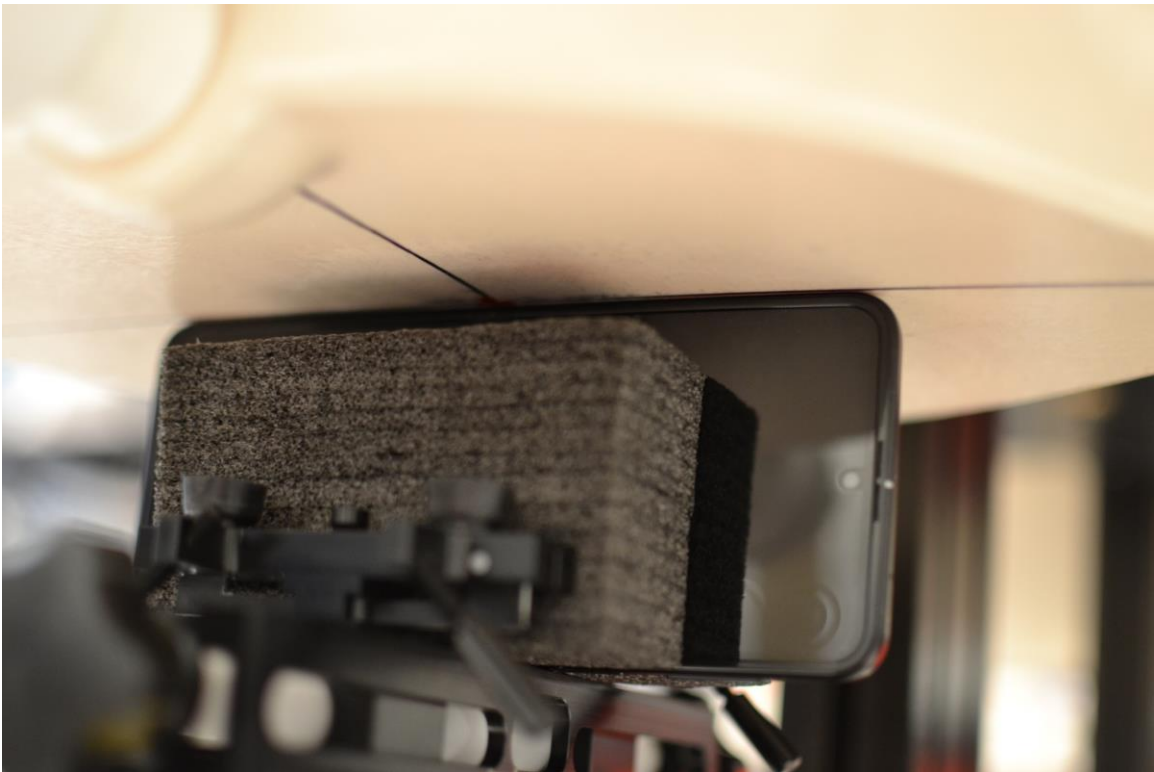


SAR Test Setup Photo 8 – Hotspot, Top Edge, 10 mm



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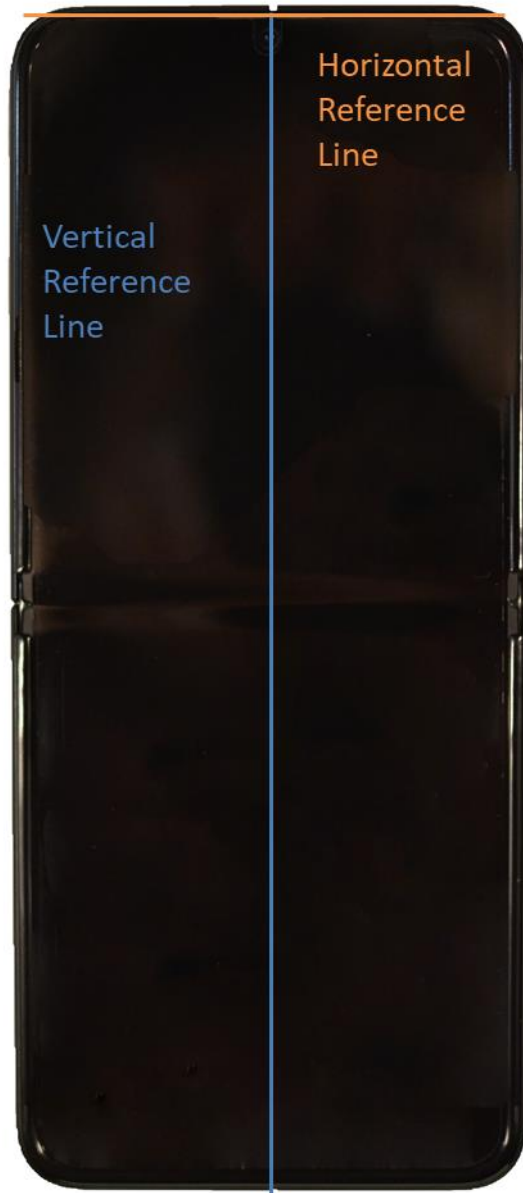


SAR Test Setup Photo 9 – Hotspot, Left Edge, 10 mm





SAR Test Setup Photo 10 – Phablet, Left Edge, 0 mm

<p>FCC ID A3LSMF711U1</p>		<p>SAR EVALUATION REPORT</p>		<p>Approved by: Quality Manager</p>
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SAR Test Setup Photo 11 – Vertical and Horizontal Reference Lines



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SAR Test Setup Photo 12 – Closed Body-Worn Back Side, 15 mm

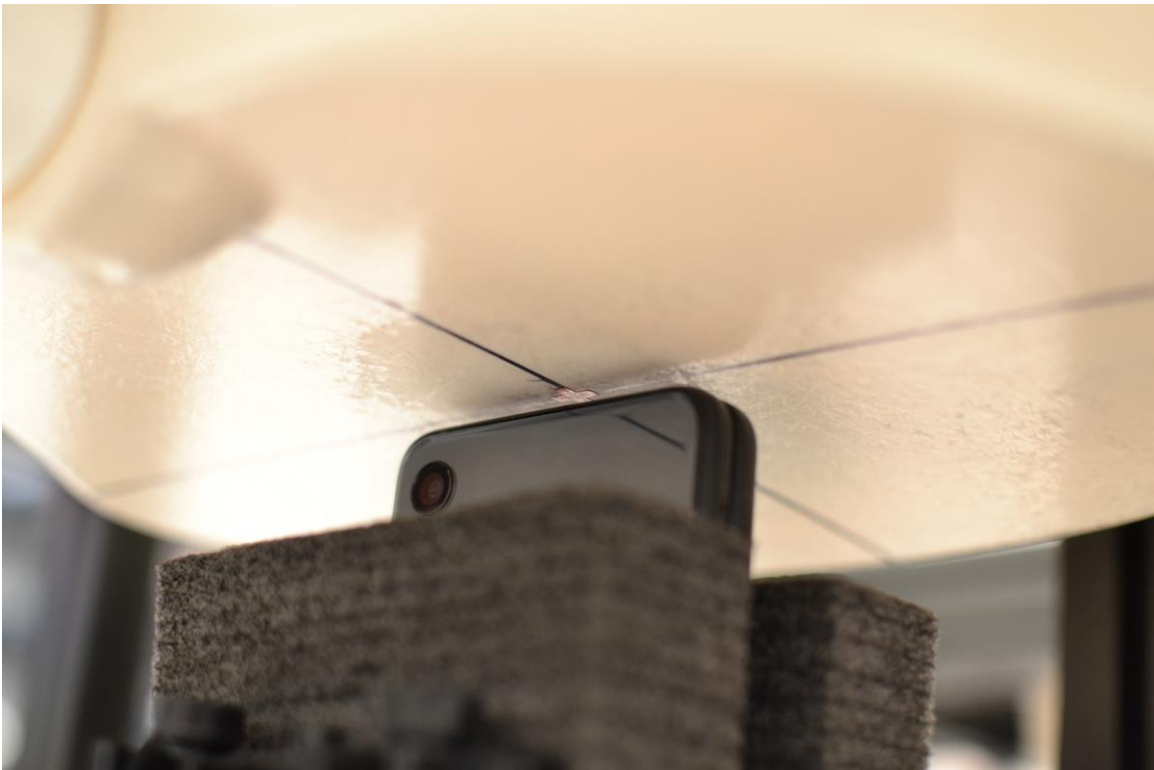


SAR Test Setup Photo 13 – Closed Hotspot, Back Side, 5 mm



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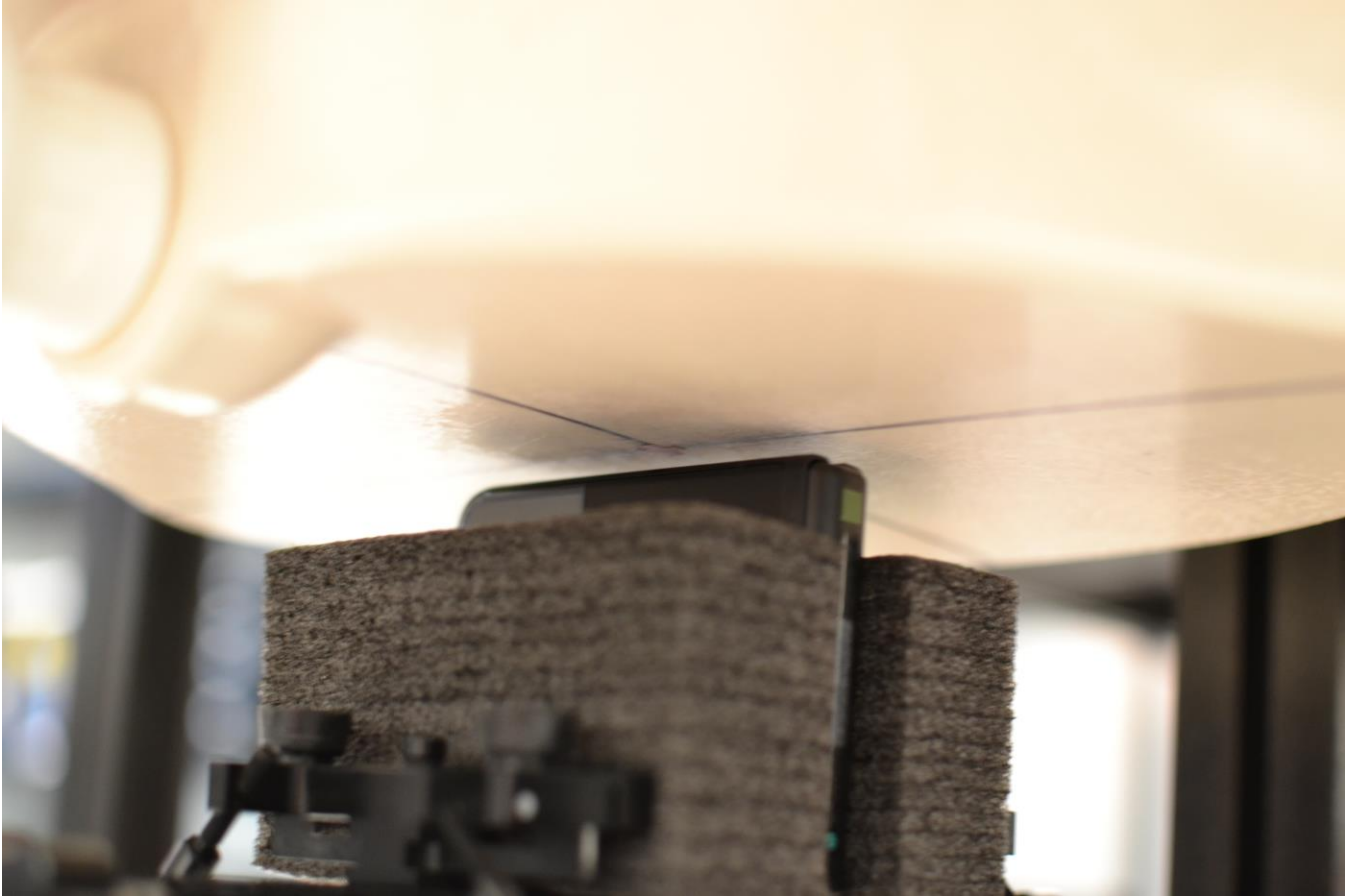


SAR Test Setup Photo 14 – Closed Hotspot, Front Side, 5 mm





SAR Test Setup Photo 15 – Closed Hotspot, Bottom Edge, 5 mm

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SAR Test Setup Photo 16 – Closed Hotspot, Left Edge, 5 mm

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