

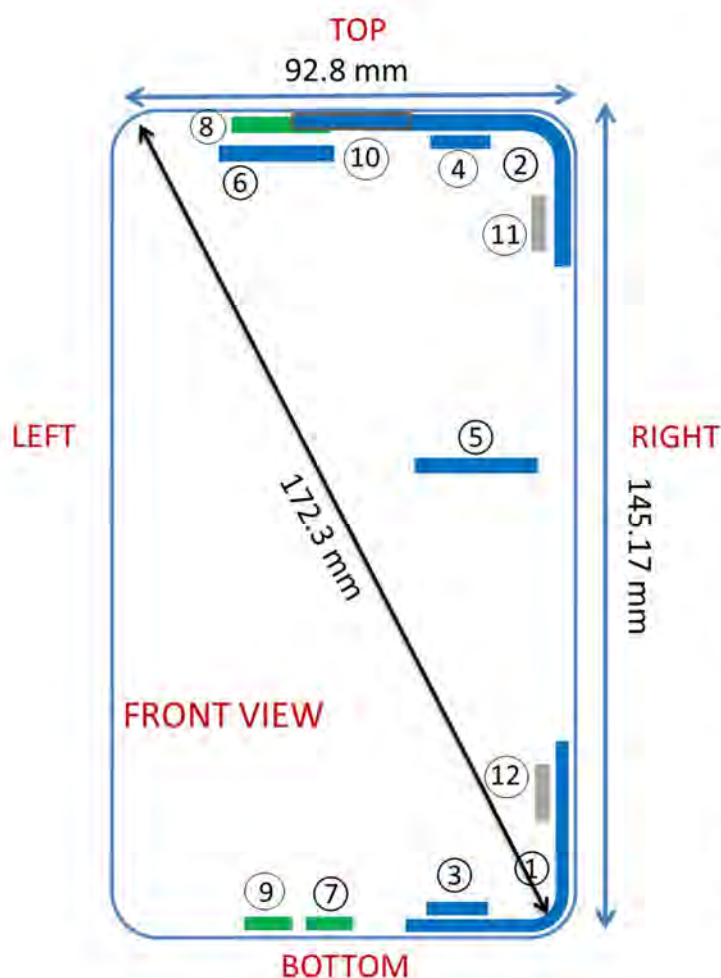


## APPENDIX E: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS



|  |   |                              |   |  |
|--|---|------------------------------|---|--|
| <b>FCC ID:</b> C3K1995                       |  <b>PCTEST</b><br><small>Portable Communication Test Equipment</small> | <b>SAR EVALUATION REPORT</b> |  | <b>Approved by:</b><br>Quality Manager |
| <b>Test Dates:</b><br>09/08/2021– 10/04/2021 | <b>DUT Type:</b><br>Portable Handset  | APPENDIX E:<br>Page 1 of 31  |   |  |

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

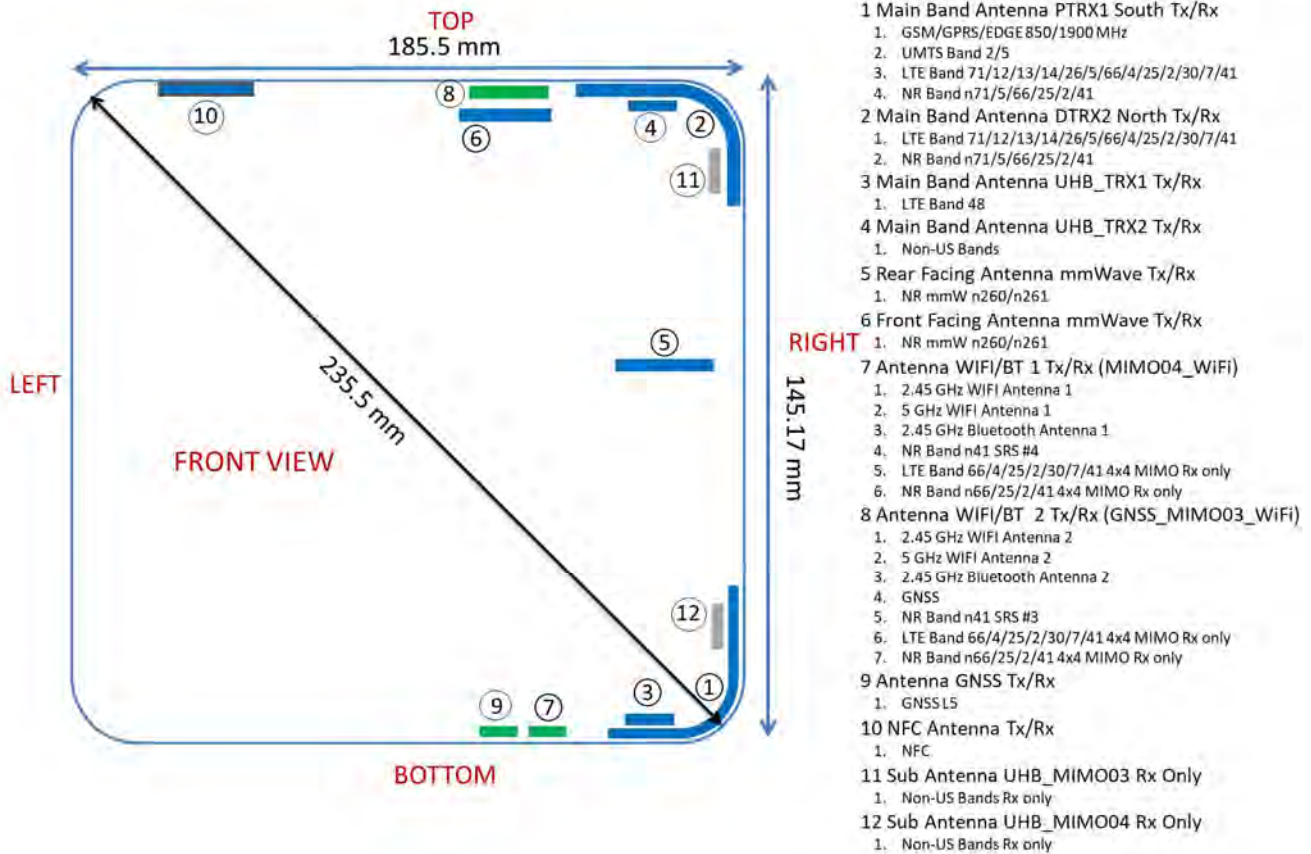
**Figure E-1**  
**DUT Antenna Locations Flip/Closed Configuration (Handset)**





- 1 Main Band Antenna PTRX1 South Tx/Rx
  1. GSM/GPRS/EDGE 850/1900 MHz
  2. UMTS Band 2/5
  3. LTE Band 71/12/13/14/26/5/66/4/25/2/30/7/41
  4. NR Band n71/5/66/25/2/41
- 2 Main Band Antenna DTRX2 North Tx/Rx
  1. LTE Band 71/12/13/14/26/5/66/4/25/2/30/7/41
  2. NR Band n71/5/66/25/2/41
- 3 Main Band Antenna UHB\_TRX1 Tx/Rx
  1. LTE Band 48
- 4 Main Band Antenna UHB\_TRX2 Tx/Rx
  1. Non-US Bands
- 5 Rear Facing Antenna mmWave Tx/Rx
  1. NR mmW n260/n261
- 6 Front Facing Antenna mmWave Tx/Rx
  1. NR mmW n260/n261
- 7 Antenna WIFI/BT 1 Tx/Rx (MIMO04\_WiFi)
  1. 2.45 GHz WIFI Antenna 1
  2. 5 GHz WIFI Antenna 1
  3. 2.45 GHz Bluetooth Antenna 1
  4. NR Band n41 SRS #4
  5. LTE Band 66/4/25/2/30/7/41 4x4 MIMO Rx only
  6. NR Band n66/25/2/41 4x4 MIMO Rx only
- 8 Antenna WIFI/BT 2 Tx/Rx (GNSS\_MIMO03\_WiFi)
  1. 2.45 GHz WIFI Antenna 2
  2. 5 GHz WIFI Antenna 2
  3. 2.45 GHz Bluetooth Antenna 2
  4. GNSS
  5. NR Band n41 SRS #3
  6. LTE Band 66/4/25/2/30/7/41 4x4 MIMO Rx only
  7. NR Band n66/25/2/41 4x4 MIMO Rx only
- 9 Antenna GNSS Tx/Rx
  1. GNSS L5
- 10 NFC Antenna Tx/Rx
  1. NFC
- 11 Sub Antenna UHB\_MIMO03 Rx Only
  1. Non-US Bands Rx only
- 12 Sub Antenna UHB\_MIMO04 Rx Only
  1. Non-US Bands Rx only

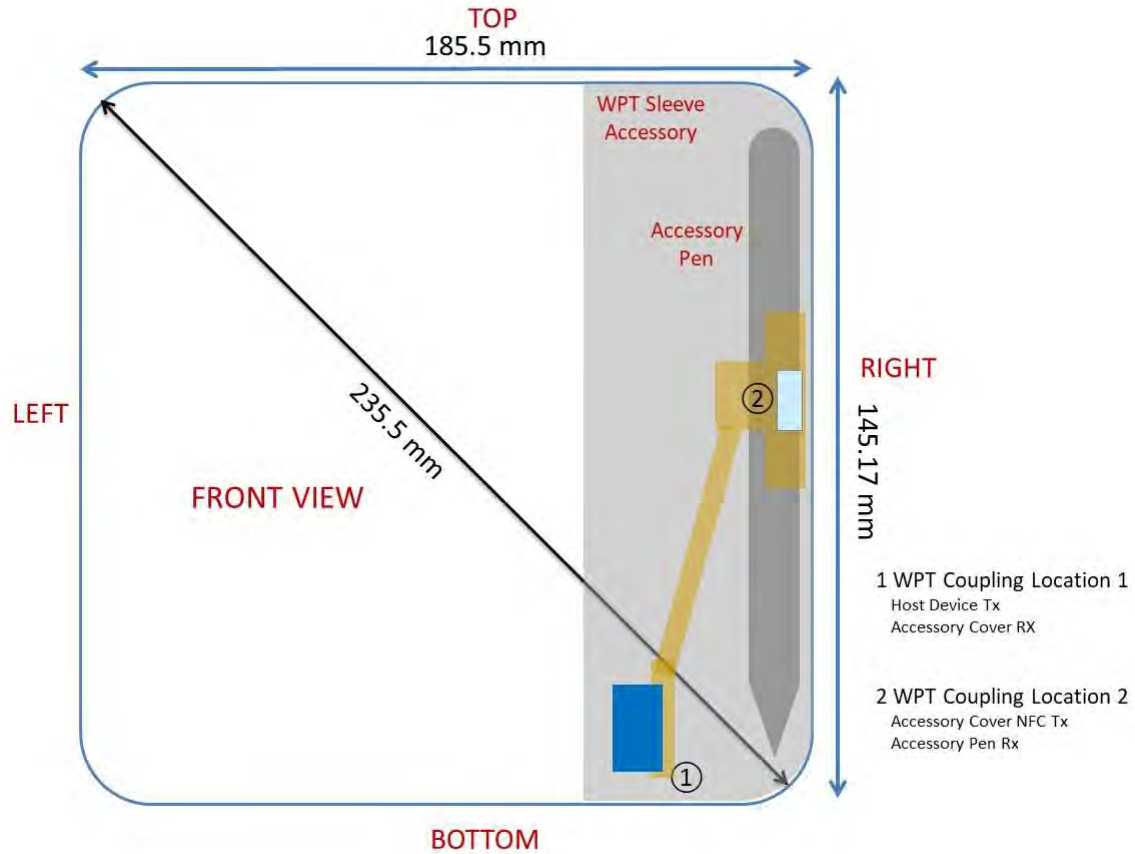
|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 2 of 31     |



**Figure E-2**  
**DUT Antenna Locations Read/Flat Configuration (UMPC and Body)**

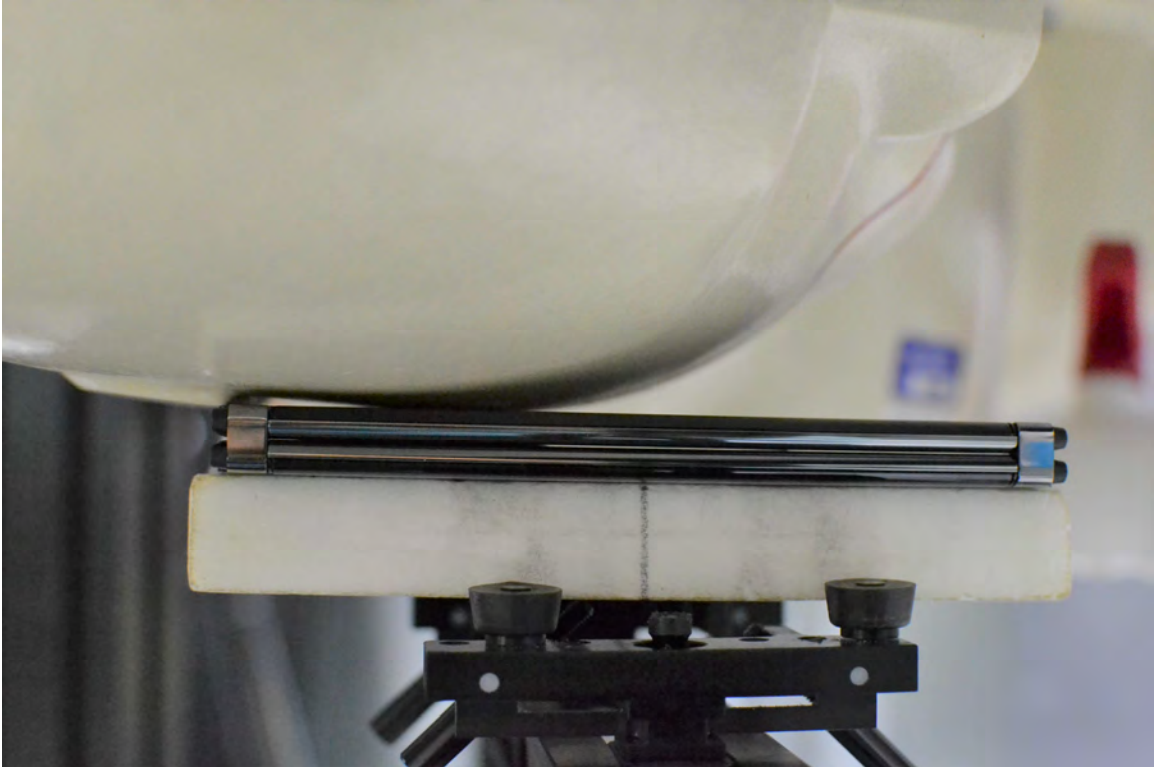


|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 3 of 31     |

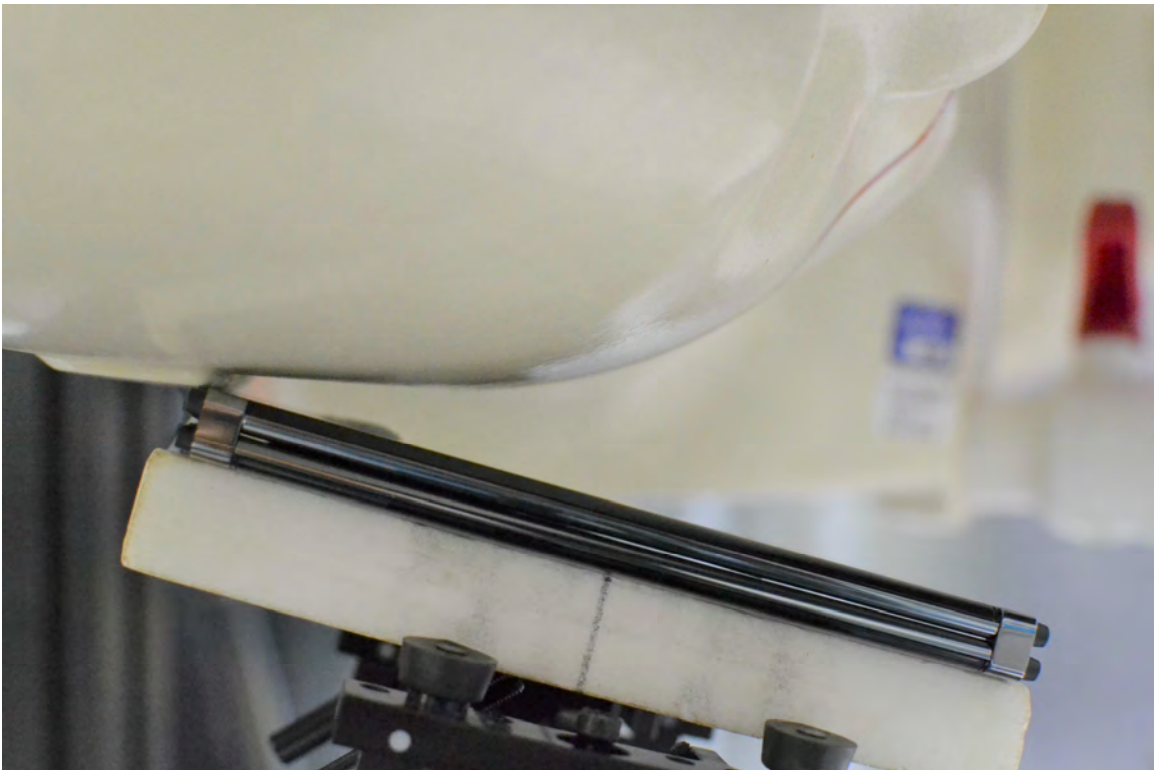
**Figure E-3**  
**WPT Sleeve and Pen Accessory Antenna Locations Read/Flat Configuration (Body)**





|  |   |                              |   |  |
|--|---|------------------------------|---|--|
| <b>FCC ID:</b> C3K1995                       |  | <b>SAR EVALUATION REPORT</b> |  | <b>Approved by:</b><br>Quality Manager |
| <b>Test Dates:</b><br>09/08/2021– 10/04/2021 | <b>DUT Type:</b><br>Portable Handset  |                              |   | <b>APPENDIX E:</b><br>Page 4 of 31     |



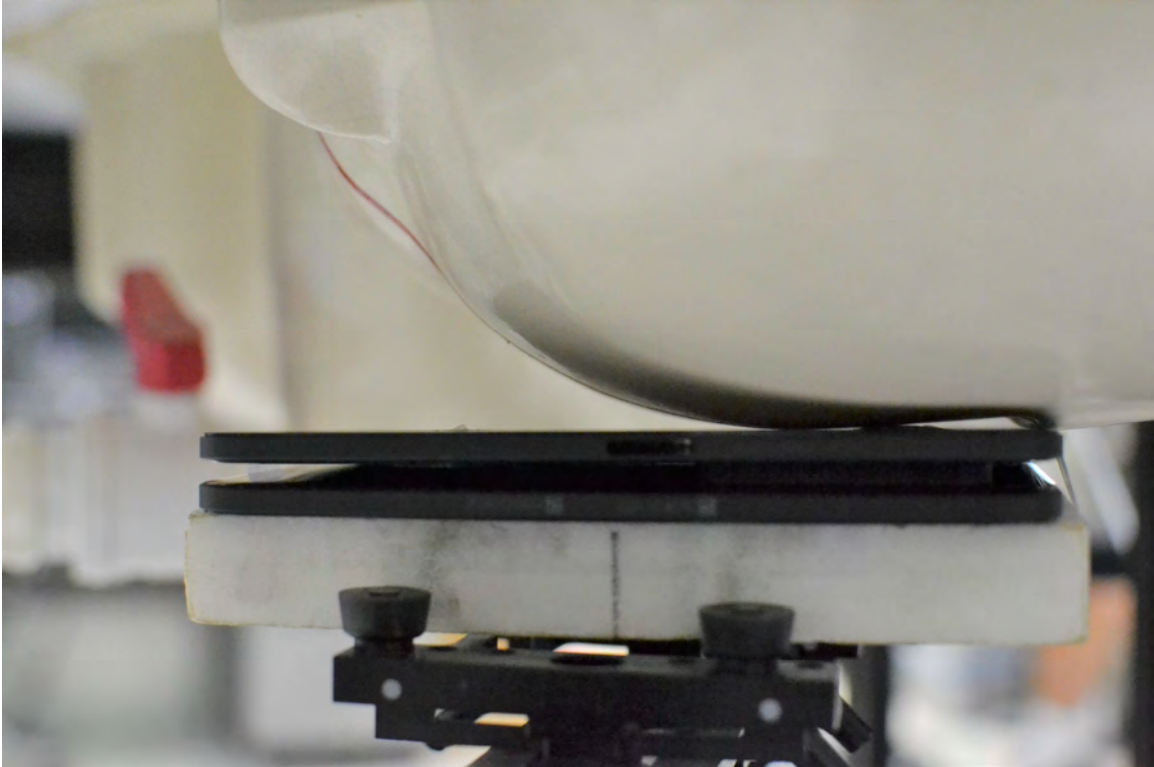
**SAR Test Setup Photo 1– Flip Configuration (Handset), Head, Right Cheek, 0 mm**



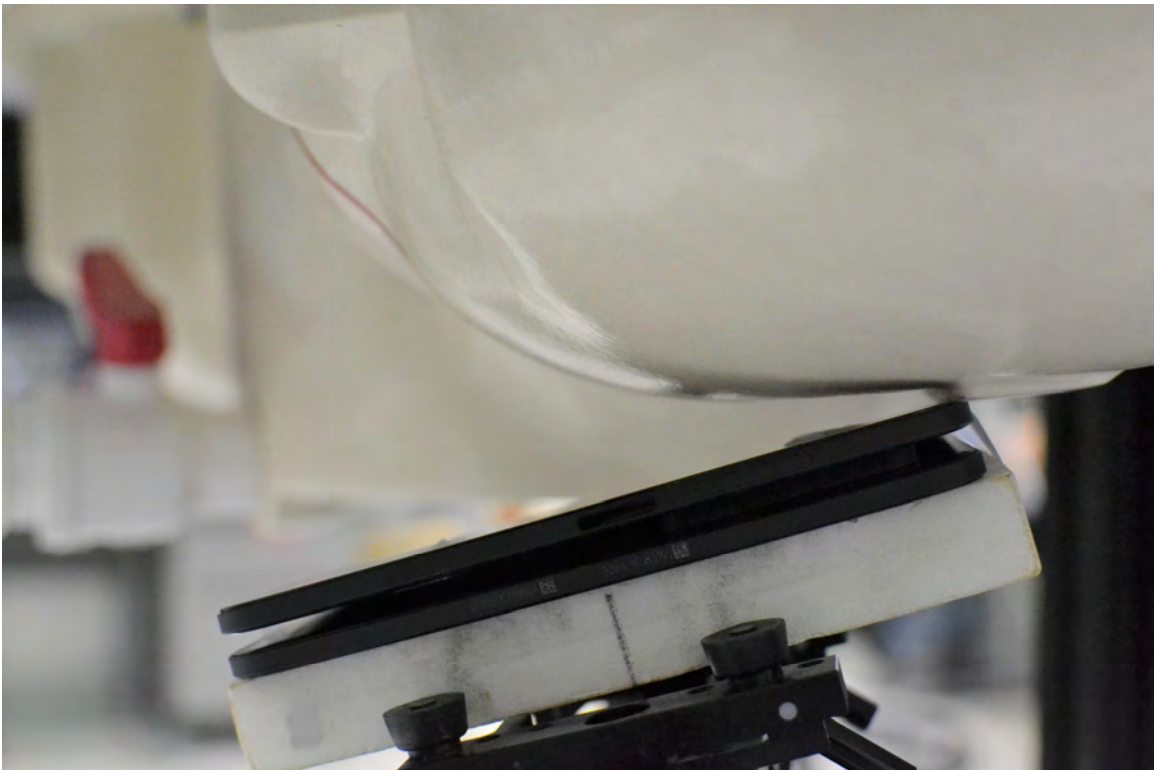
**SAR Test Setup Photo 2– Flip Configuration (Handset), Head, Right Tilt, 0 mm**

|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 5 of 31     |





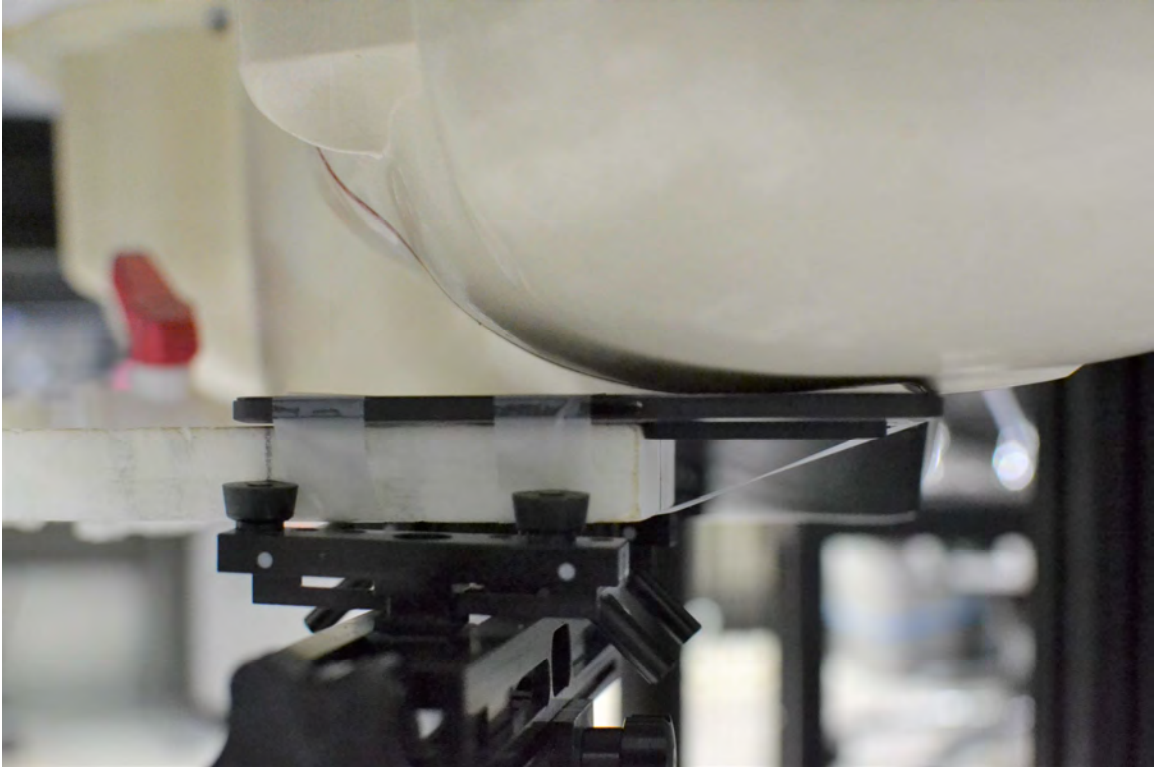


**SAR Test Setup Photo 3– Flip Configuration (Handset), Head, Left Cheek, 0 mm**

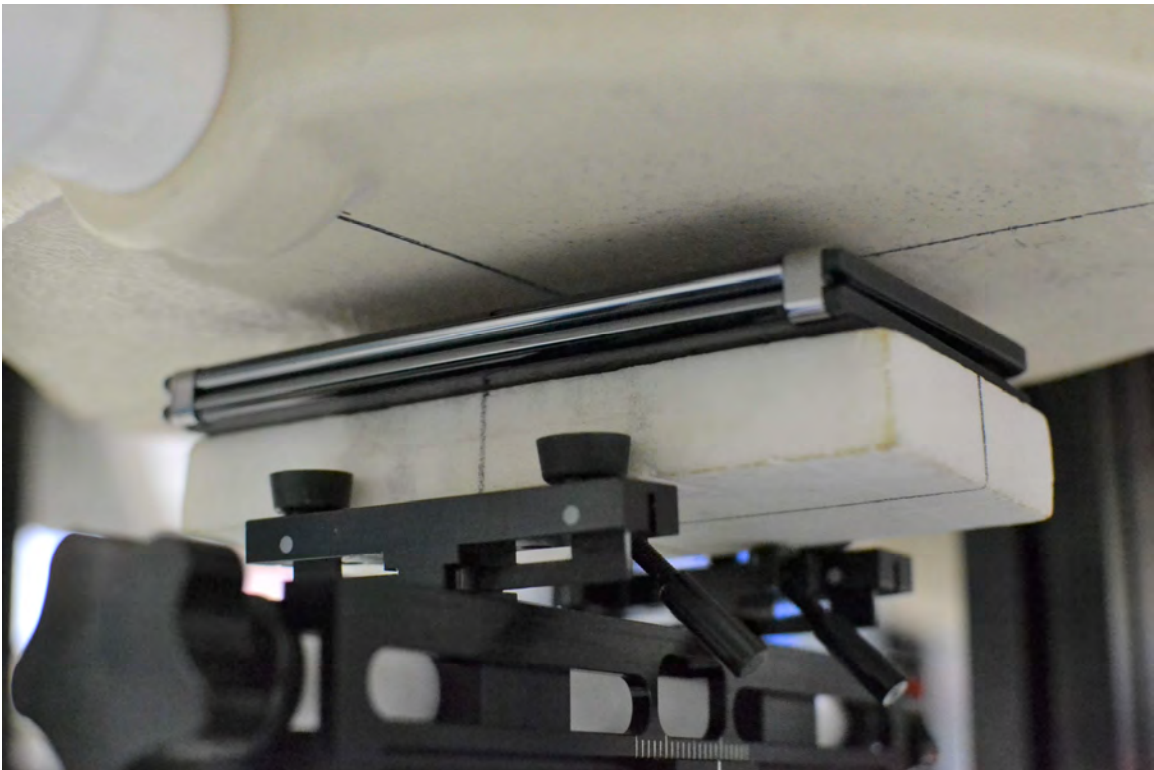


**SAR Test Setup Photo 4– Flip Configuration (Handset), Head, Left Tilt, 0 mm**



|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 6 of 31     |



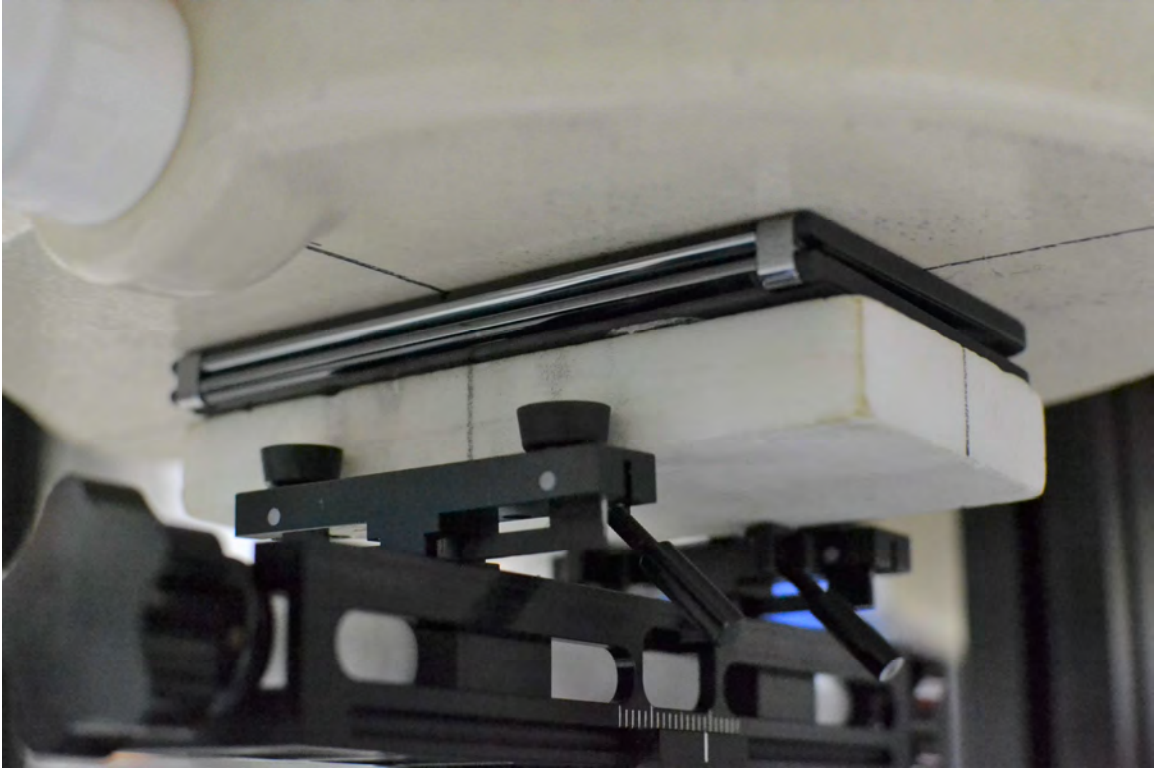
**SAR Test Setup Photo 5– Flat Configuration (Body), Head, Left Cheek, 0 mm**



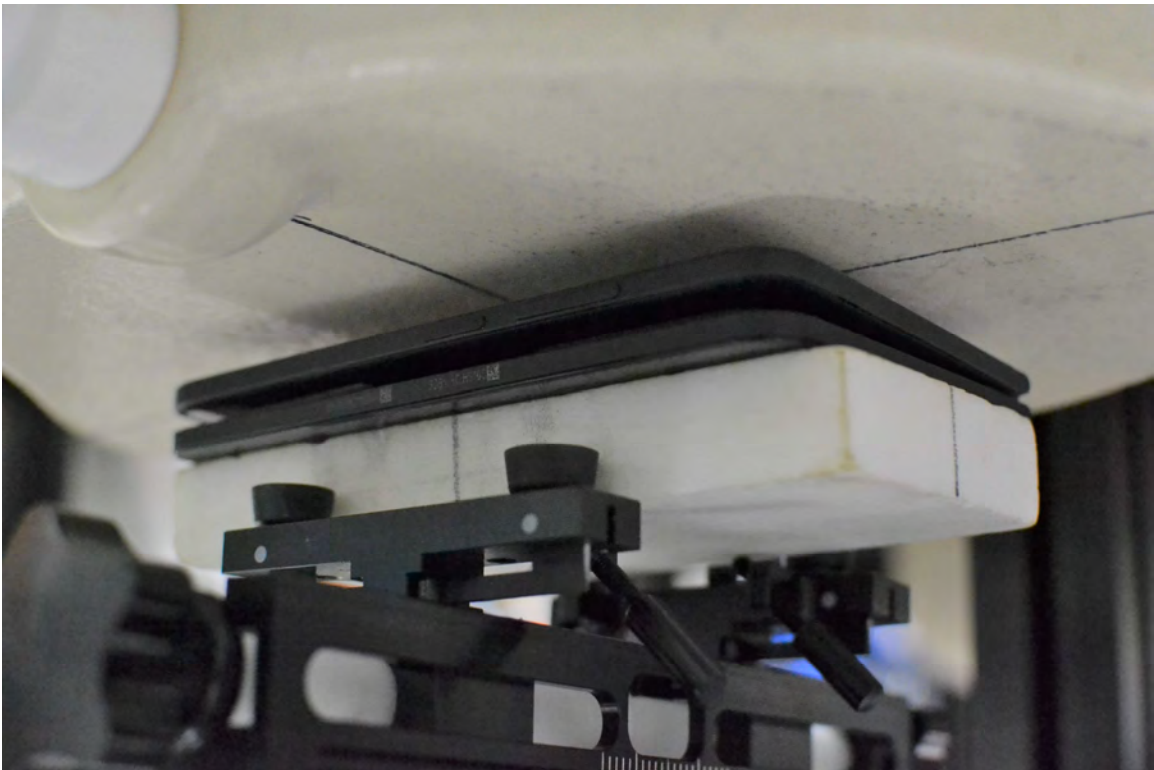
**SAR Test Setup Photo 6– Flip Configuration (Handset), Bodyworn/Hotspot, Back Side, 10 mm**

|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 7 of 31     |







**SAR Test Setup Photo 7– Flip Configuration (Handset), Phablet, Back Side, 0 mm**



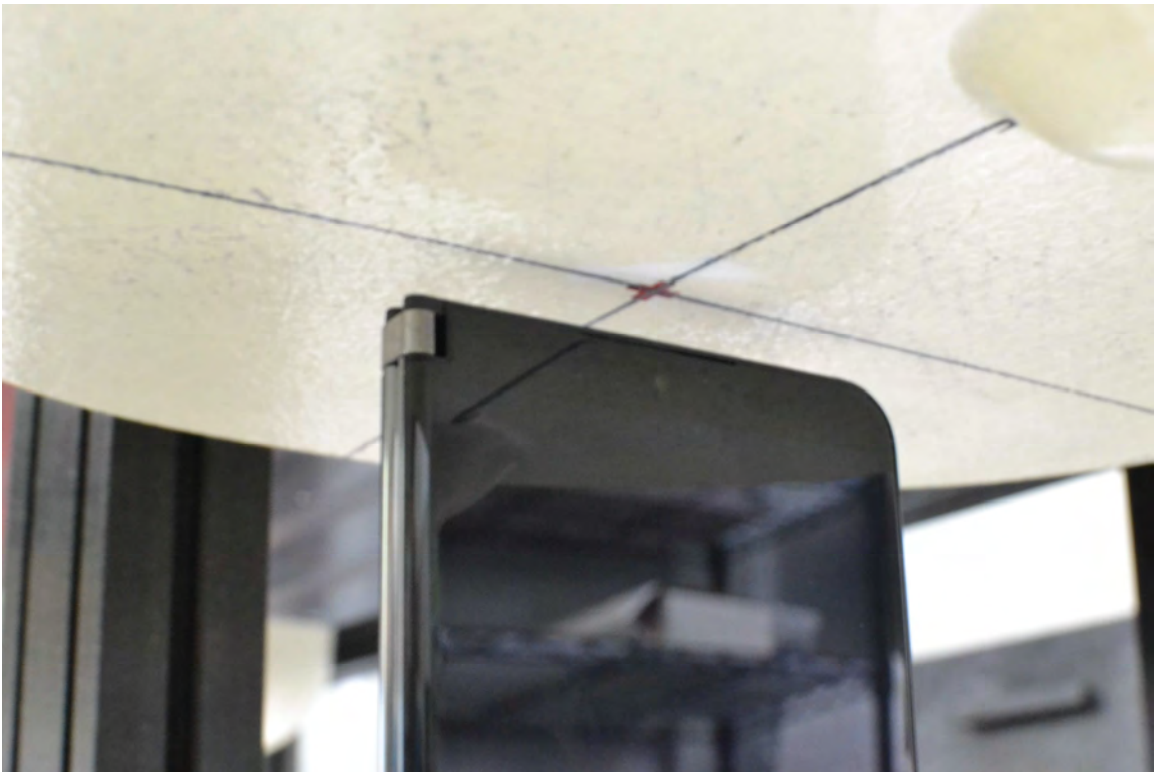
**SAR Test Setup Photo 8– Flip Configuration (Handset), Bodyworn/Hotspot, Front Side, 10 mm**

|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 8 of 31     |







**SAR Test Setup Photo 9– Flip Configuration (Handset), Phablet, Front Side, 0 mm**



**SAR Test Setup Photo 10– Flip Configuration (Handset), Hotspot, Top Edge, 10 mm**



|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 9 of 31     |



**SAR Test Setup Photo 11– Flip Configuration (Handset), Phablet, Top Edge, 0 mm**



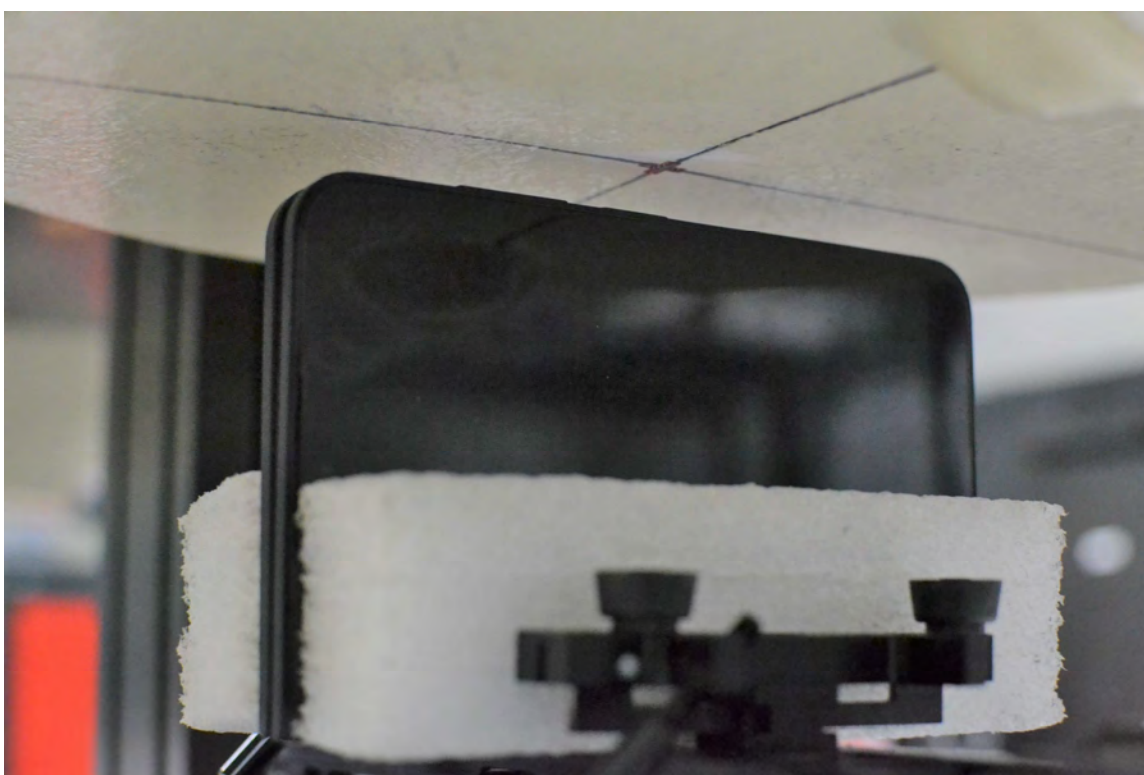
**SAR Test Setup Photo 12– Flip Configuration (Handset), Hotspot, Bottom Edge, 10 mm**

|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 10 of 31    |





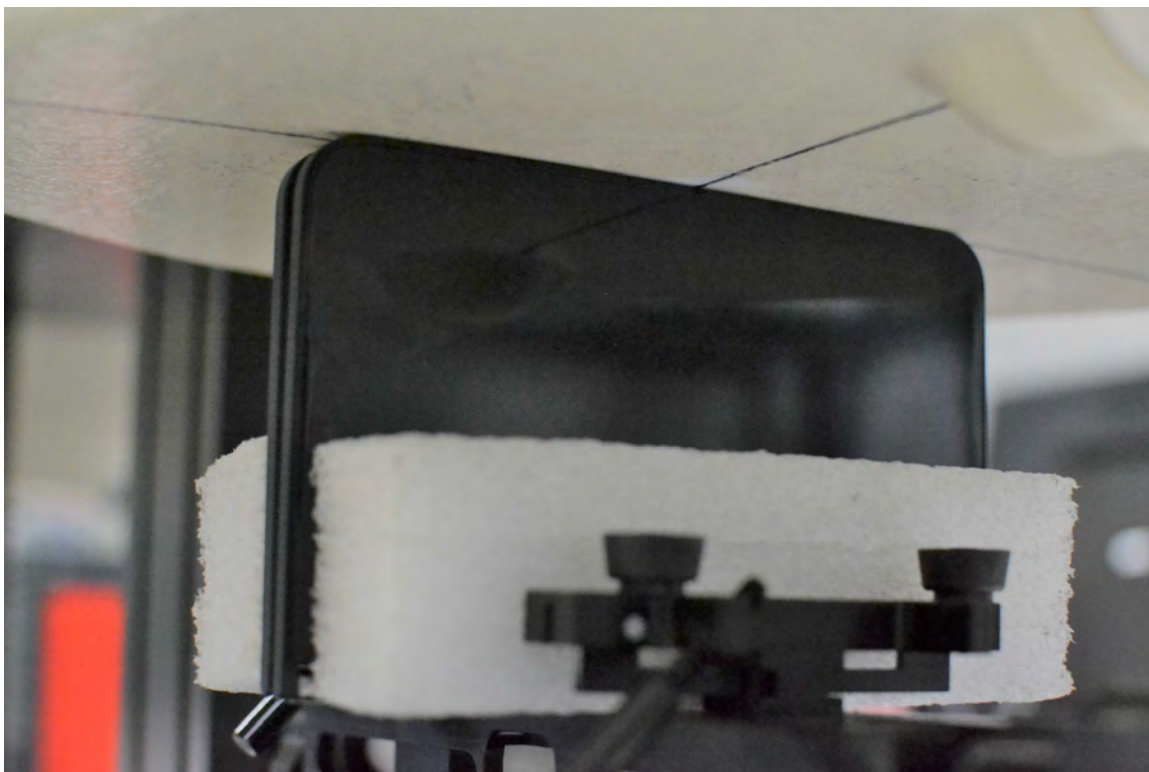


**SAR Test Setup Photo 13– Flip Configuration (Handset), Phablet, Bottom Edge, 0 mm**

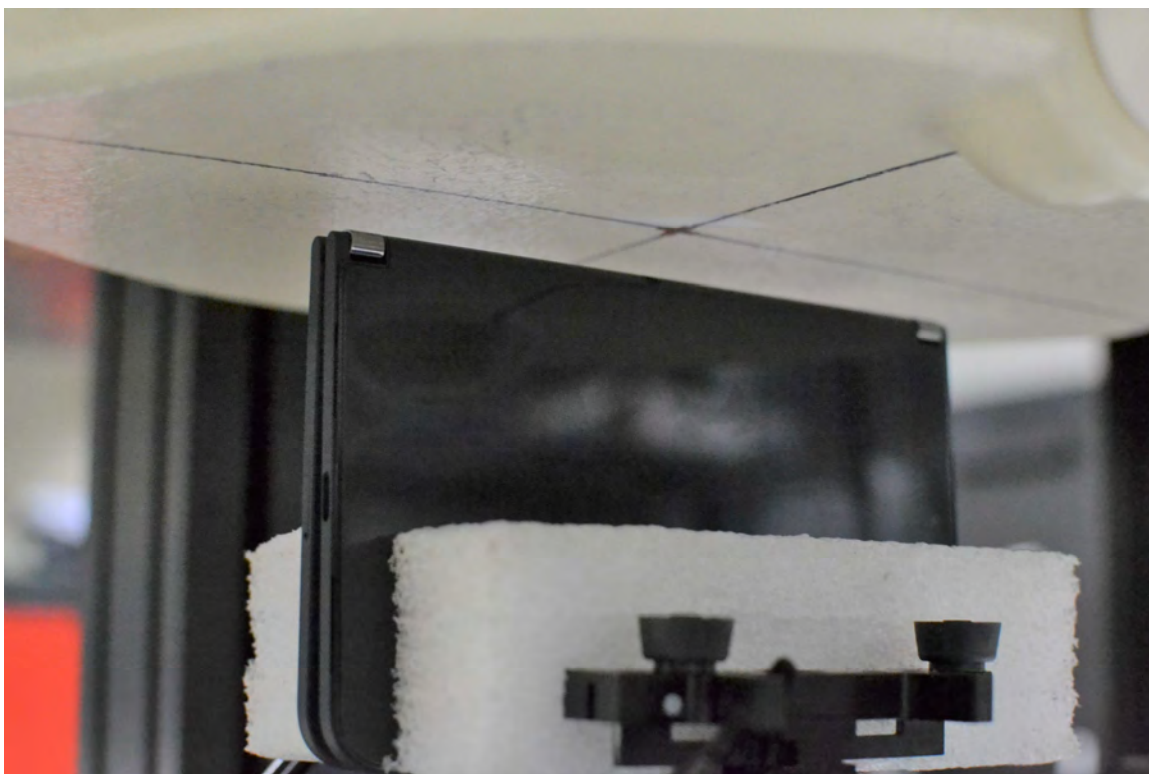


**SAR Test Setup Photo 14– Flip Configuration (Handset), Hotspot, Right Edge, 10 mm**



|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 11 of 31    |



**SAR Test Setup Photo 15– Flip Configuration (Handset), Phablet, Right Edge, 0 mm**



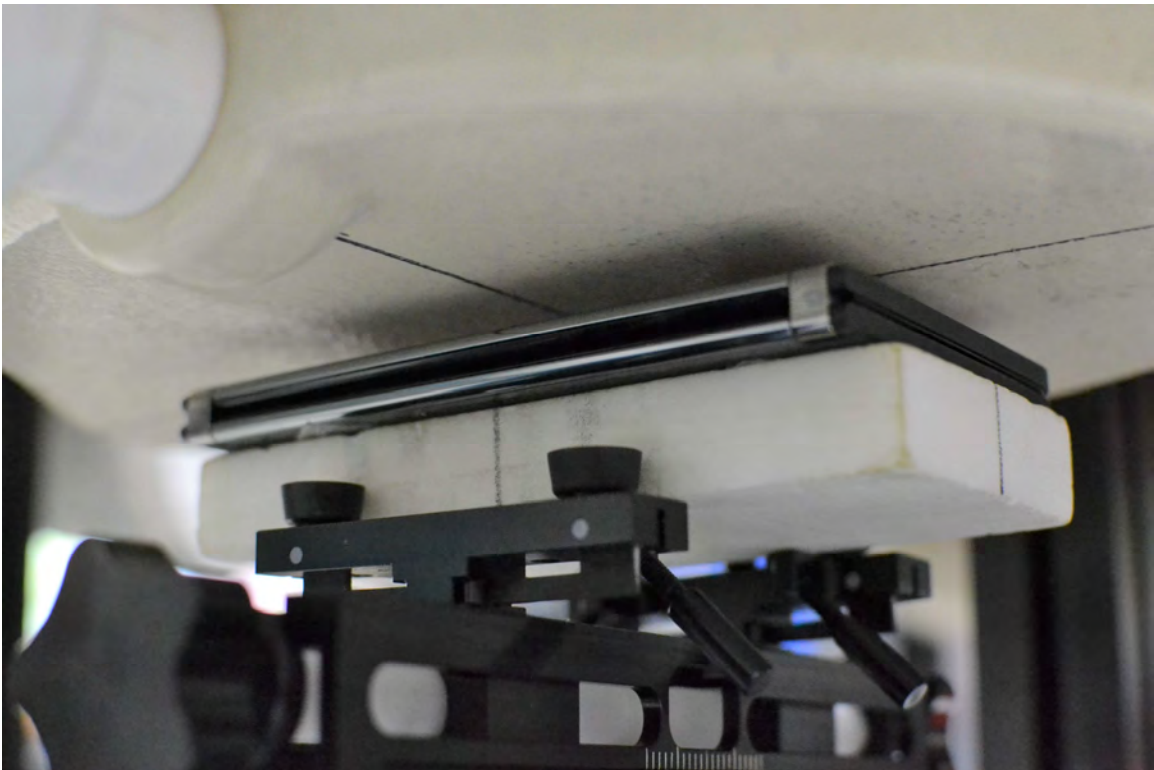
**SAR Test Setup Photo 16– Flip Configuration (Handset), Hotspot, Left Edge, 10 mm**

|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 12 of 31    |







**SAR Test Setup Photo 17– Flip Configuration (Handset), Phablet, Left Edge, 0 mm**

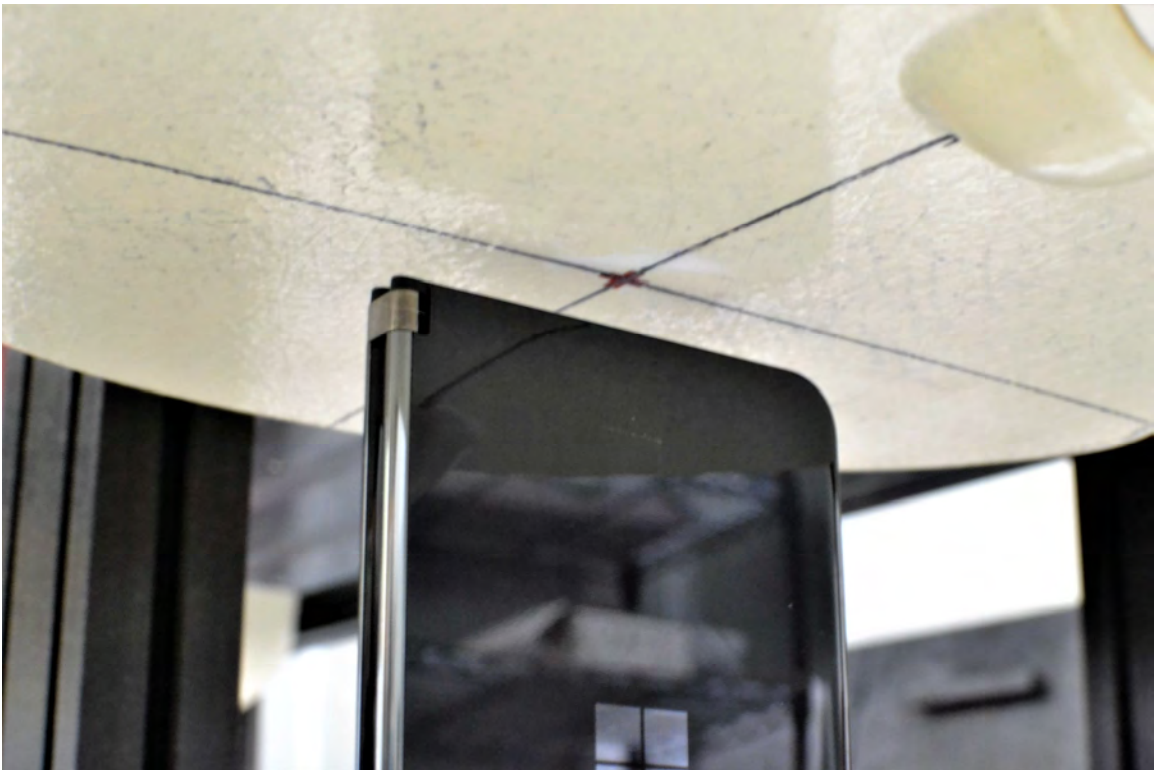


**SAR Test Setup Photo 18– Closed Configuration (Handset), Bodyworn/Hotspot, Back Side, 10 mm**



|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 13 of 31    |



**SAR Test Setup Photo 19– Closed Configuration (Handset), Bodyworn/Hotspot, Front Side, 10 mm**



**SAR Test Setup Photo 20– Closed Configuration (Handset), Hotspot, Top Edge, 10 mm**

|                                       |  |                       |   |                                 |
|---------------------------------------|--|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  <b>PCTEST</b><br><small>POWER TO THE POWER</small> | SAR EVALUATION REPORT |  Microsoft | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset  |                       |   | APPENDIX E:<br>Page 14 of 31    |







**SAR Test Setup Photo 21– Closed Configuration (Handset), Hotspot, Bottom Edge, 10 mm**



**SAR Test Setup Photo 22– Closed Configuration (Handset), Hotspot, Right Edge, 10 mm**



|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 15 of 31    |



**SAR Test Setup Photo 23– Closed Configuration (Handset), Hotspot, Left Edge, 10 mm**



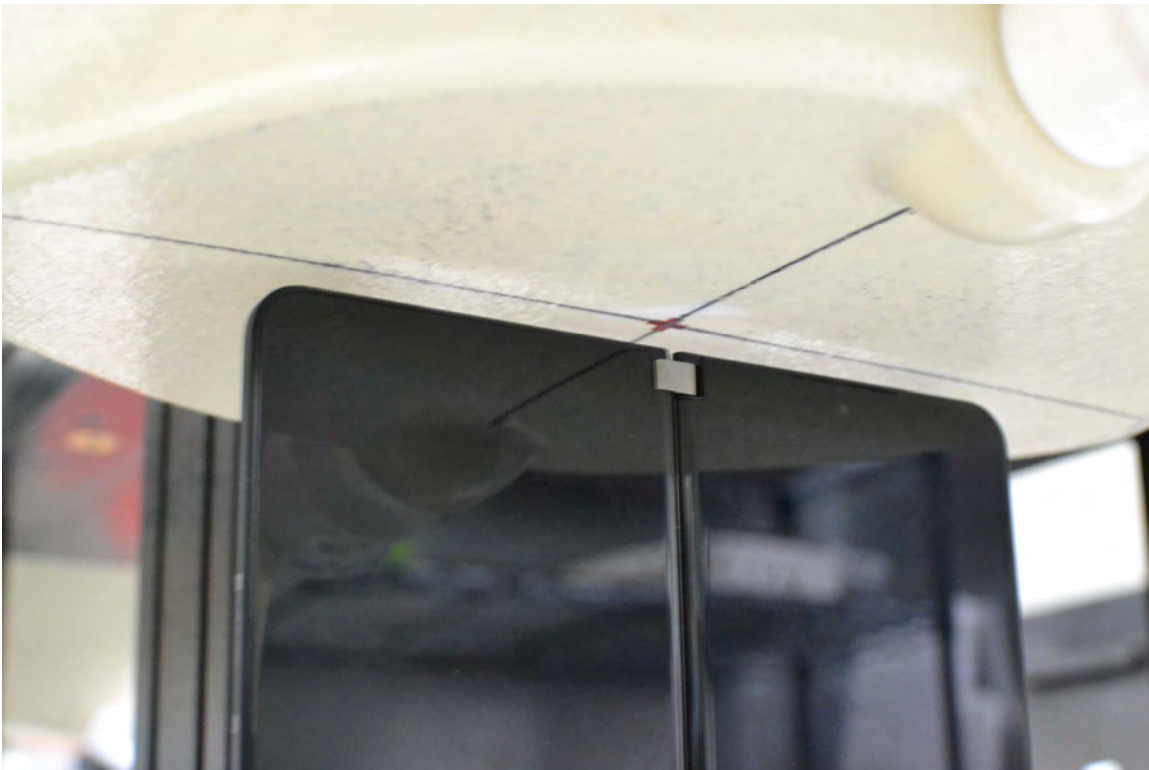
**SAR Test Setup Photo 24– Read Configuration (UMPC), UMPC Body, Back Side, South Antenna, 5 mm**

|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 16 of 31    |





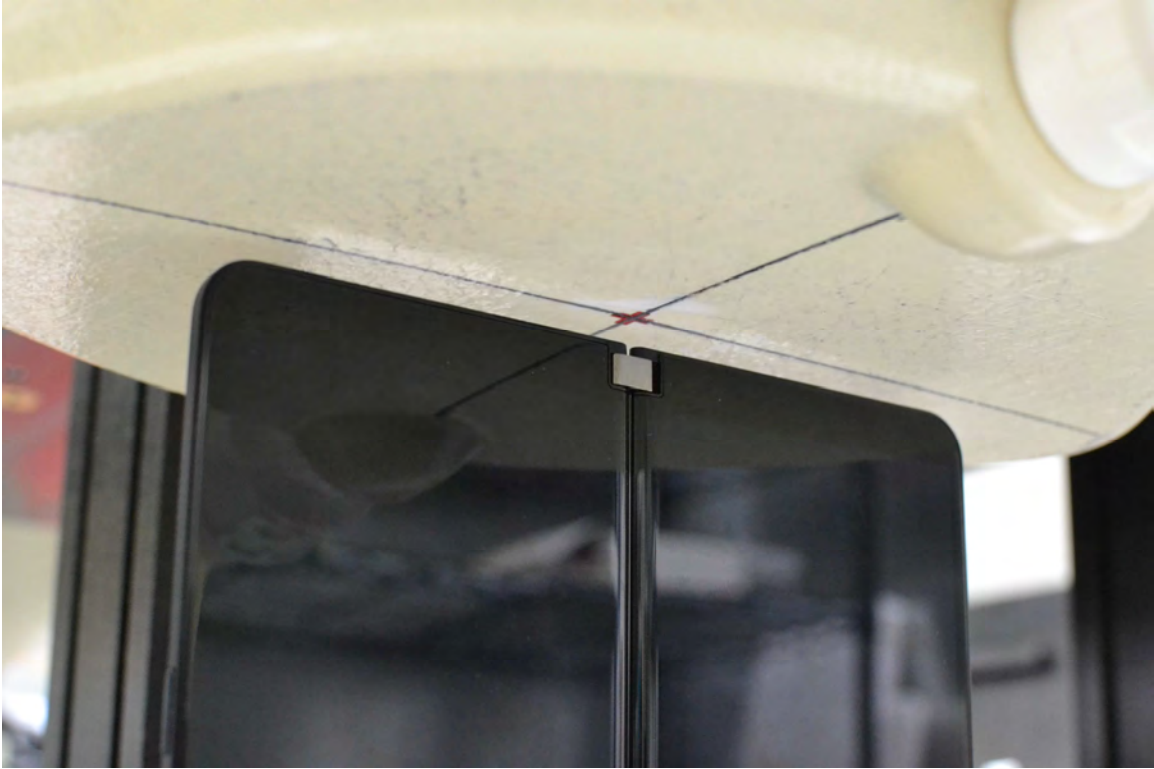


**SAR Test Setup Photo 25– Read Configuration (UMPC), UMPC Body, Back Side, North Antenna, 5 mm**



**SAR Test Setup Photo 26– Read Configuration (UMPC), UMPC Body, Top Edge, 5 mm**



|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 17 of 31    |



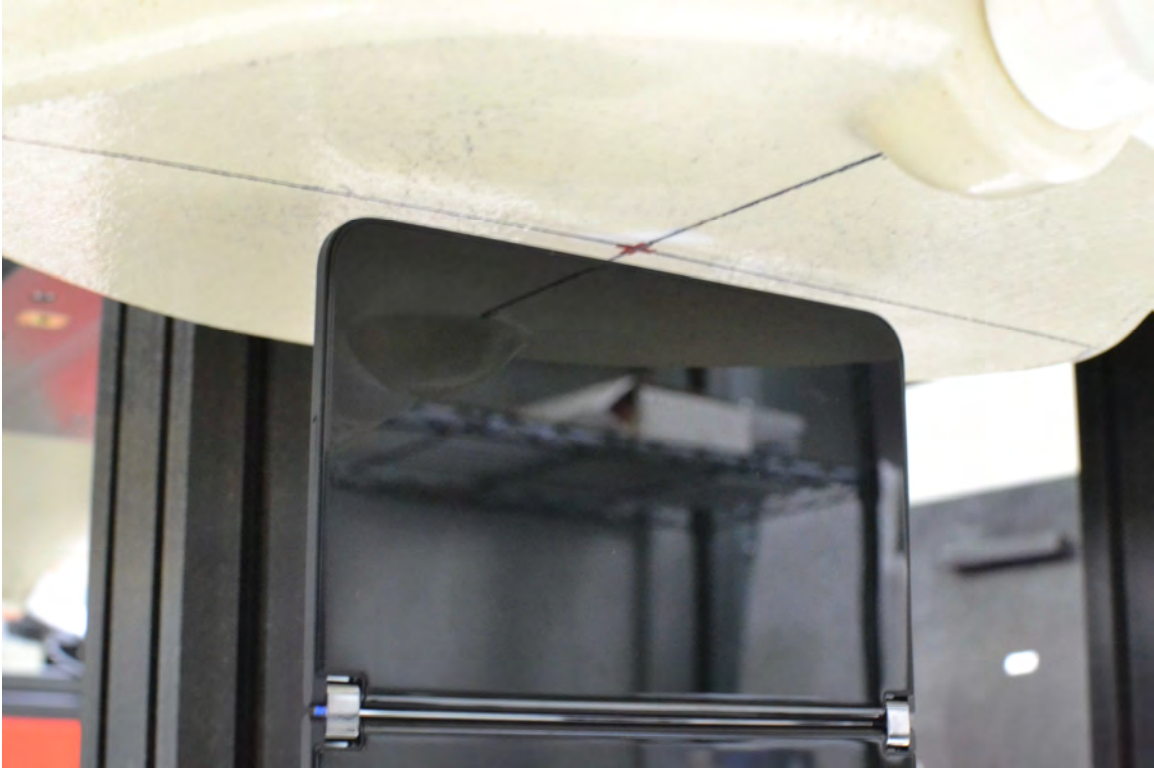
**SAR Test Setup Photo 27– Read Configuration (UMPC), UMPC Extremity, Bottom Edge, 5 mm**



**SAR Test Setup Photo 28– Read Configuration (UMPC), UMPC Body, Right Edge, 5 mm**

|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 18 of 31    |







**SAR Test Setup Photo 29– Read Configuration (UMPC), UMPC Extremity, Left Edge, 5 mm**

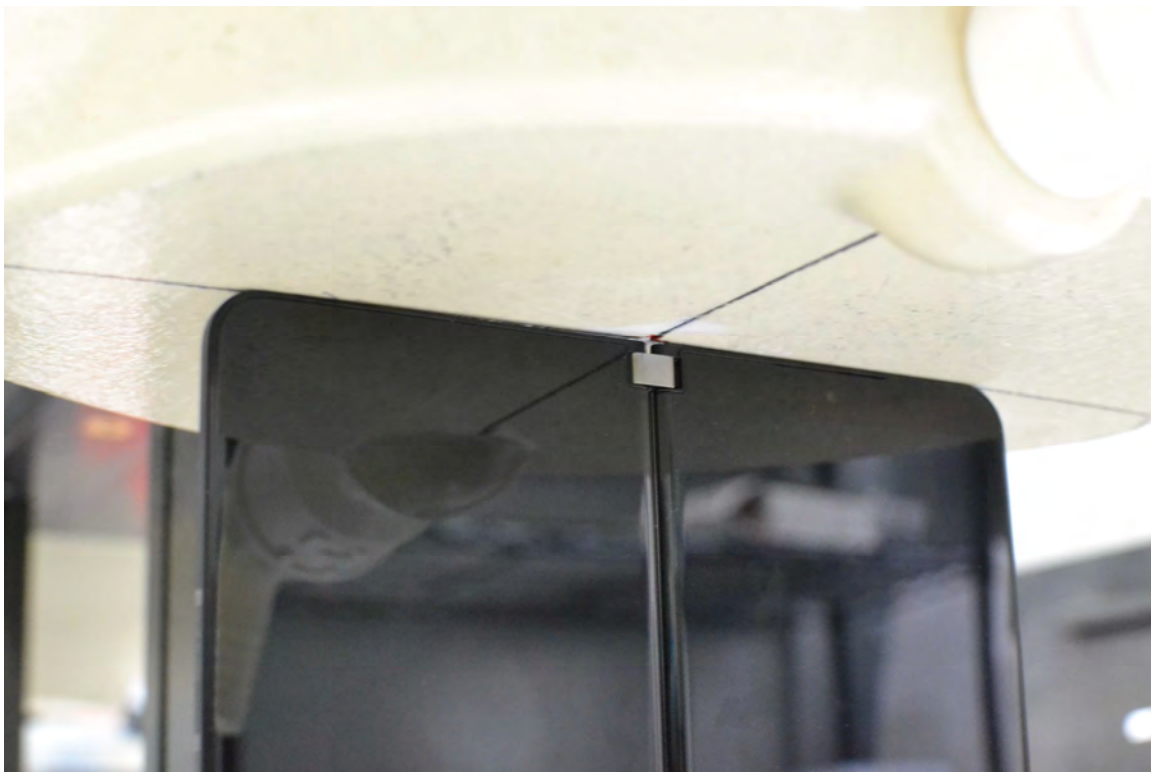


**SAR Test Setup Photo 30– Flat Configuration (Body), Body, Back Side, South Antenna, 0 mm**



|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 19 of 31    |



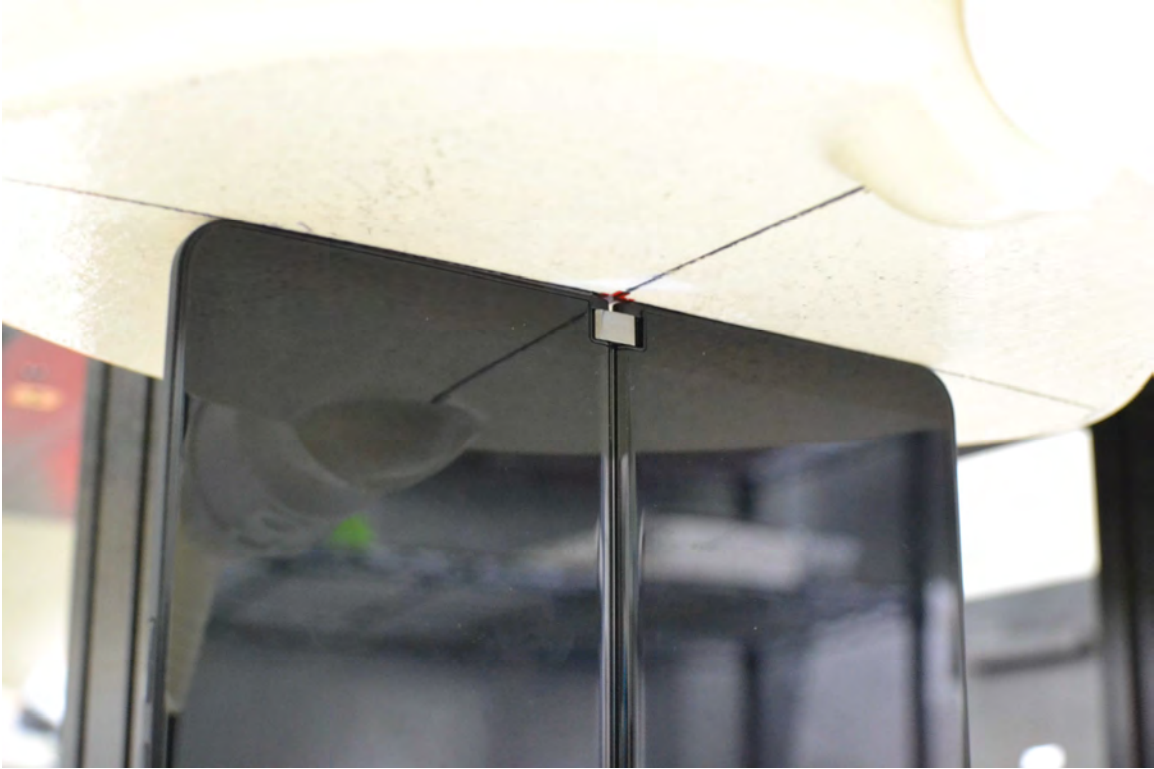
**SAR Test Setup Photo 31– Flat Configuration (Body), Body, Back Side, North Antenna, 0 mm**



**SAR Test Setup Photo 32– Flat Configuration (Body), Body, Top Edge, 0 mm**

|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
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**SAR Test Setup Photo 33– Flat Configuration (Body), Body, Bottom Edge, 0 mm**

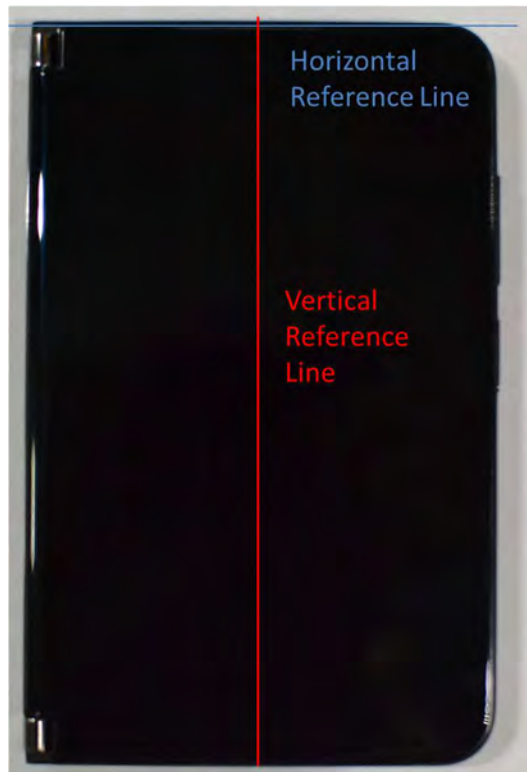


**SAR Test Setup Photo 34– Flat Configuration (Body), Body, Right Edge, 0 mm**



|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 21 of 31    |

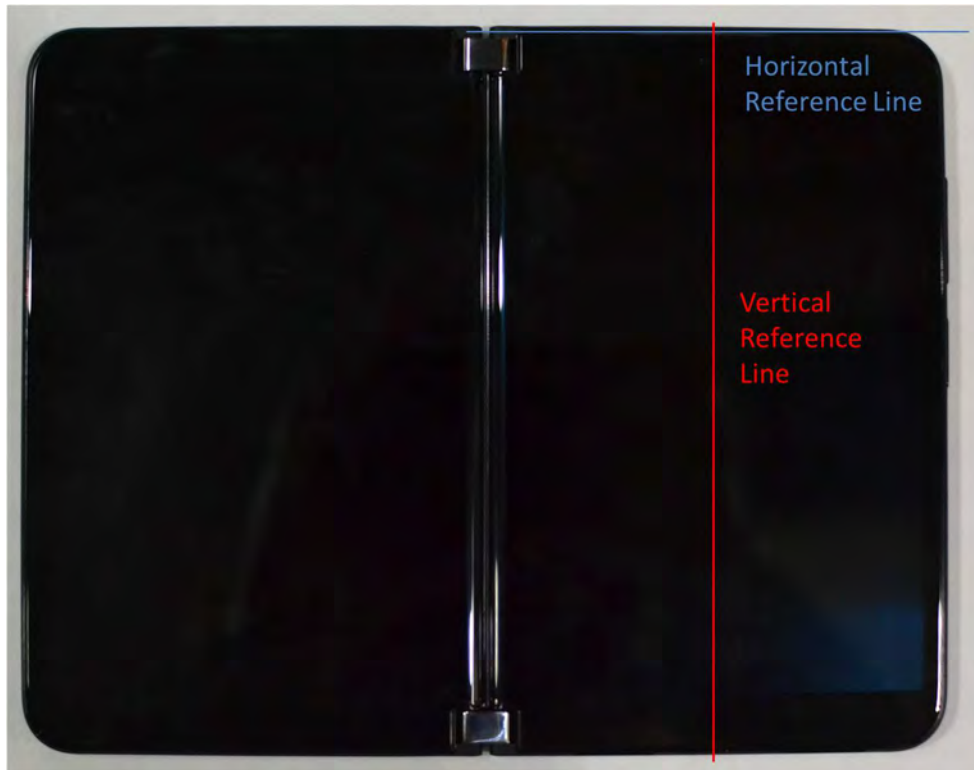


**SAR Test Setup Photo 35– Flat Configuration (Body), Body, Left Edge, 0 mm**

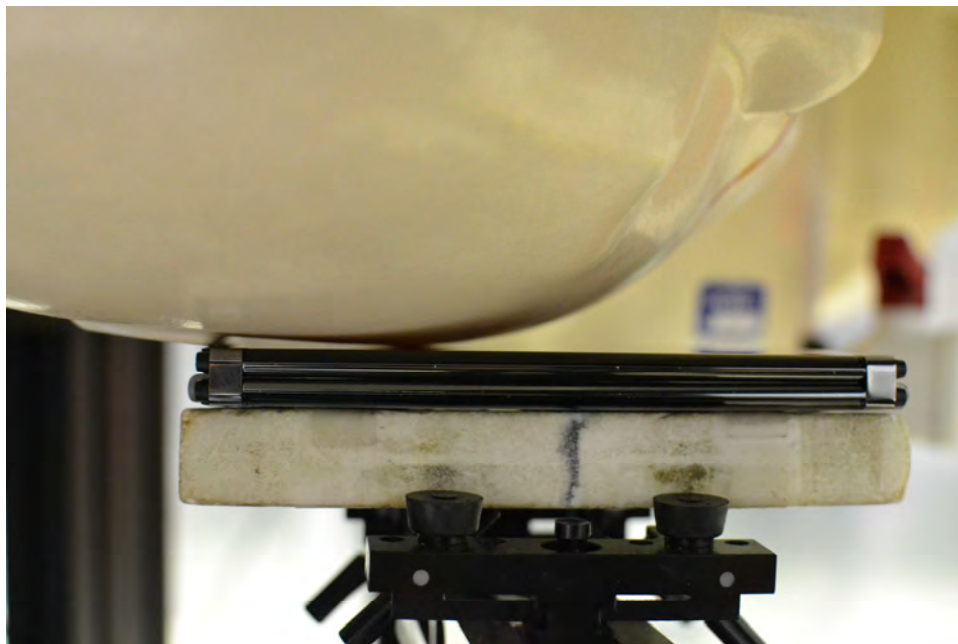


**SAR Test Setup Photo 36– Flip Configuration (Handset) Horizontal and Vertical Reference Lines**



|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 22 of 31    |



**SAR Test Setup Photo 37– Flat Configuration (Body) Horizontal and Vertical Reference Lines**



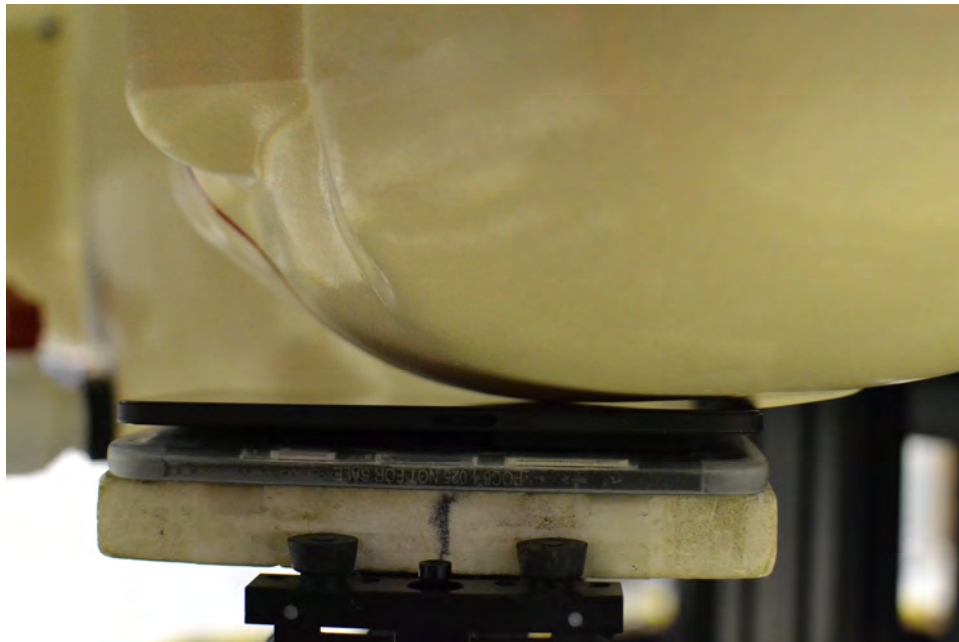
**SAR Test Setup Photo 38 – Flip Configuration (Handset) Right Cheek with WPT Sleeve**

|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 23 of 31    |







**SAR Test Setup Photo 39 – Flip Configuration (Handset) Right Tilt with WPT Sleeve**



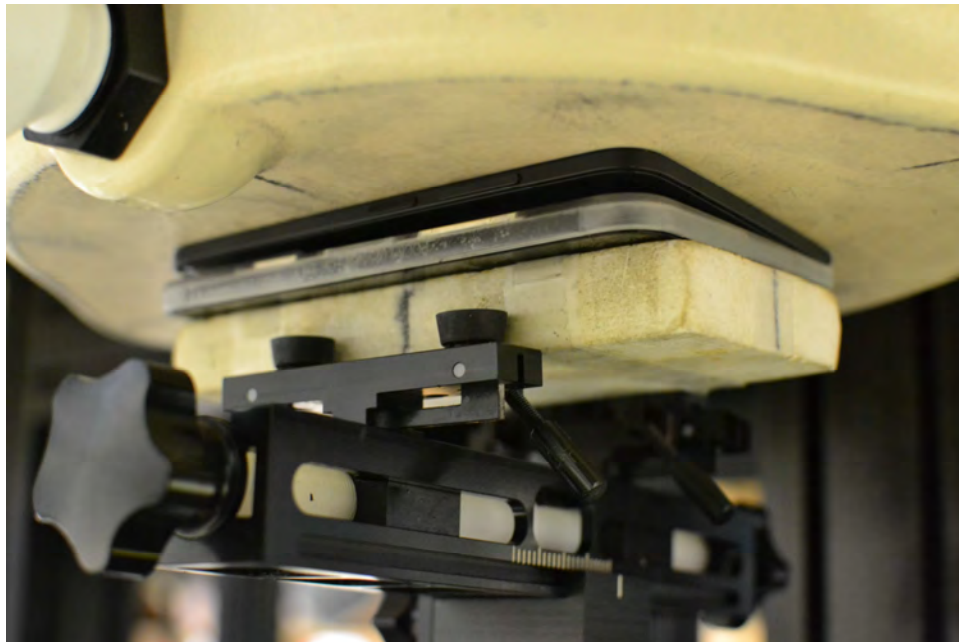
**SAR Test Setup Photo 40 – Flip Configuration (Handset) Left Cheek with WPT Sleeve**

|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 24 of 31    |





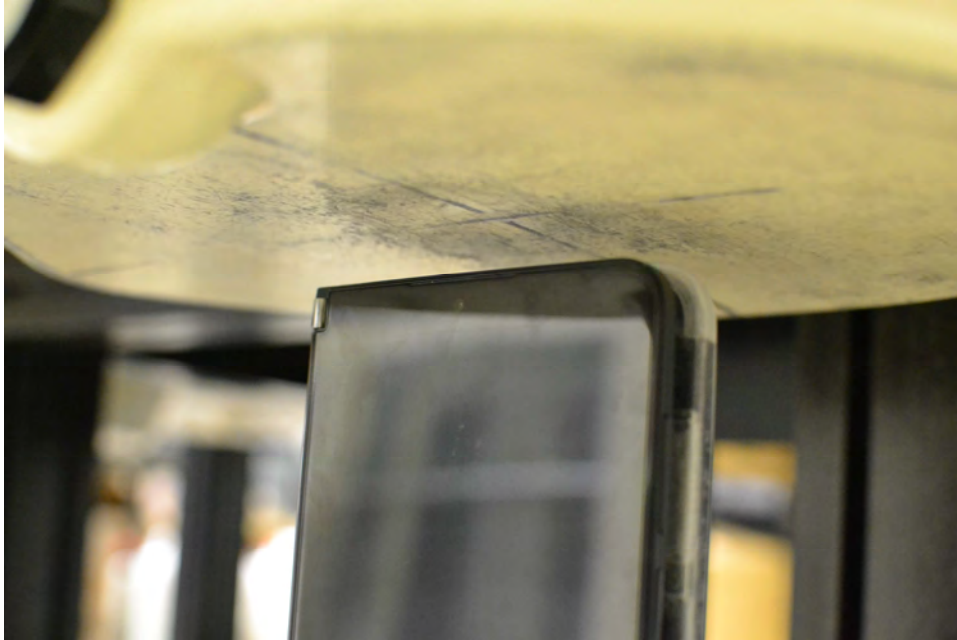


**SAR Test Setup Photo 41 – Flip Configuration (Handset) Front Side at 10 mm with WPT Sleeve**

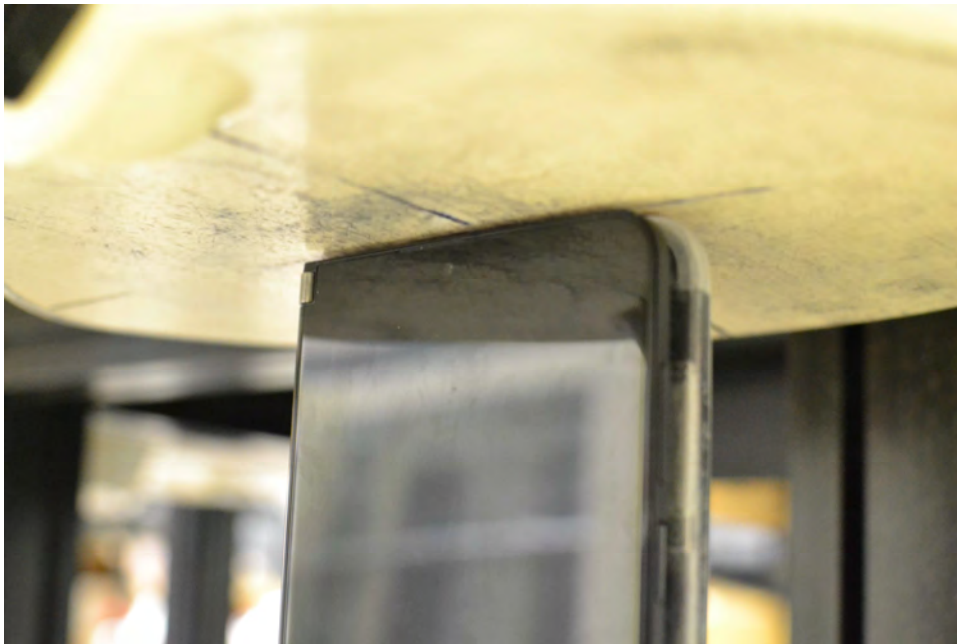


**SAR Test Setup Photo 42 – Flip Configuration (Handset) Front Side at 0 mm with WPT Sleeve**



|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 25 of 31    |



**SAR Test Setup Photo 43 – Flip Configuration (Handset) Top Edge at 10 mm with WPT Sleeve**

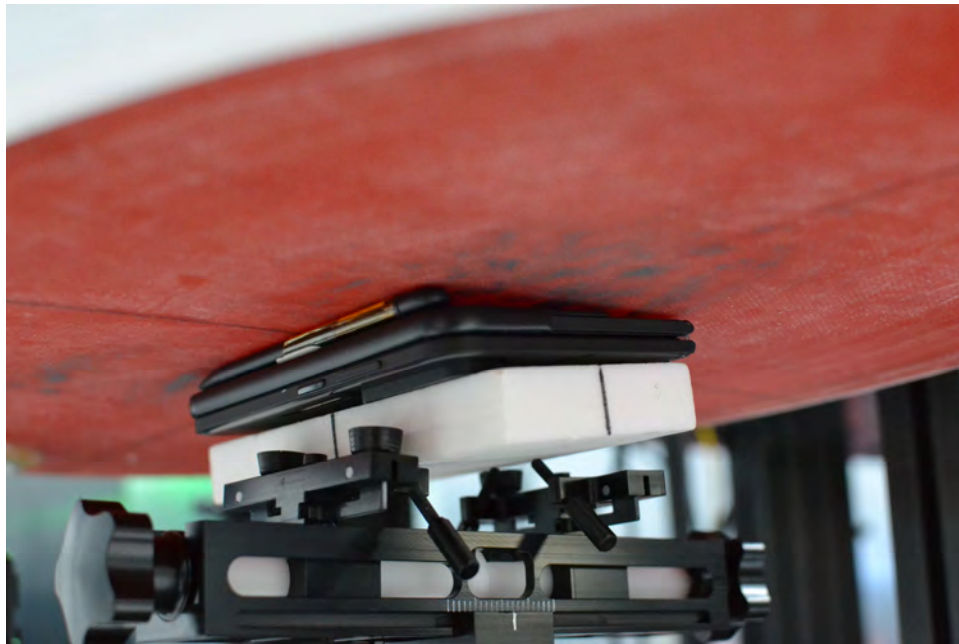


**SAR Test Setup Photo 44 – Flip Configuration (Handset) Top Edge at 0 mm with WPT Sleeve**



|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 26 of 31    |



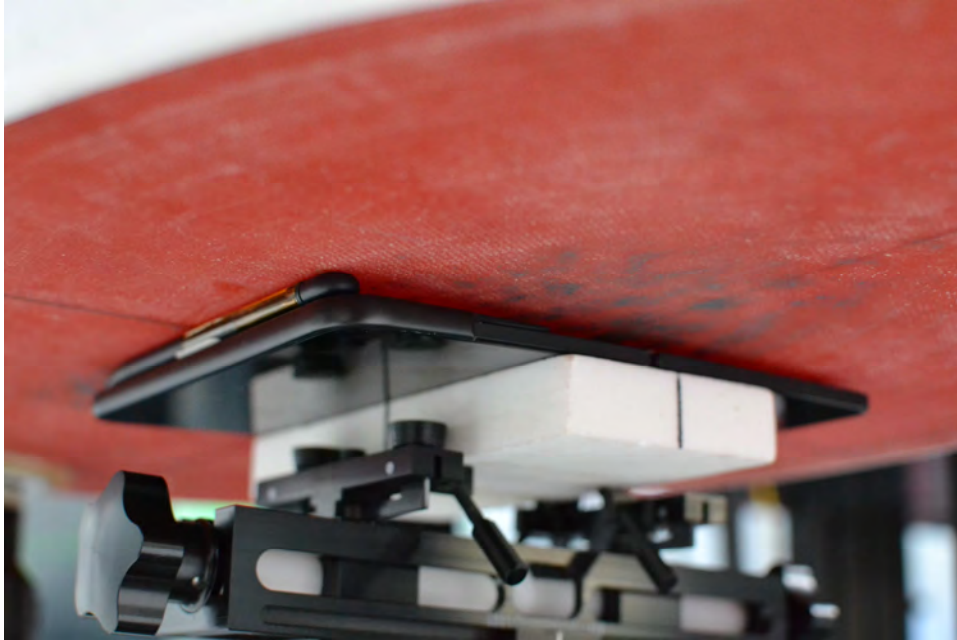
**SAR Test Setup Photo 45 – Flip Configuration (Handset) Bottom Edge at 0 mm with WPT Sleeve**



**SAR Test Setup Photo 46 – Closed Configuration (Body) – Front Side at 0mm with WPT Sleeve and Pen**

|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 27 of 31    |







**SAR Test Setup Photo 47 – Flat Configuration (Body) – Front Side of Sleeve/Pen at 0mm with WPT Sleeve and Pen**



**SAR Test Setup Photo 48 – Closed Configuration (Body) – Right Edge at 0mm with WPT Sleeve and Pen**



|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 28 of 31    |

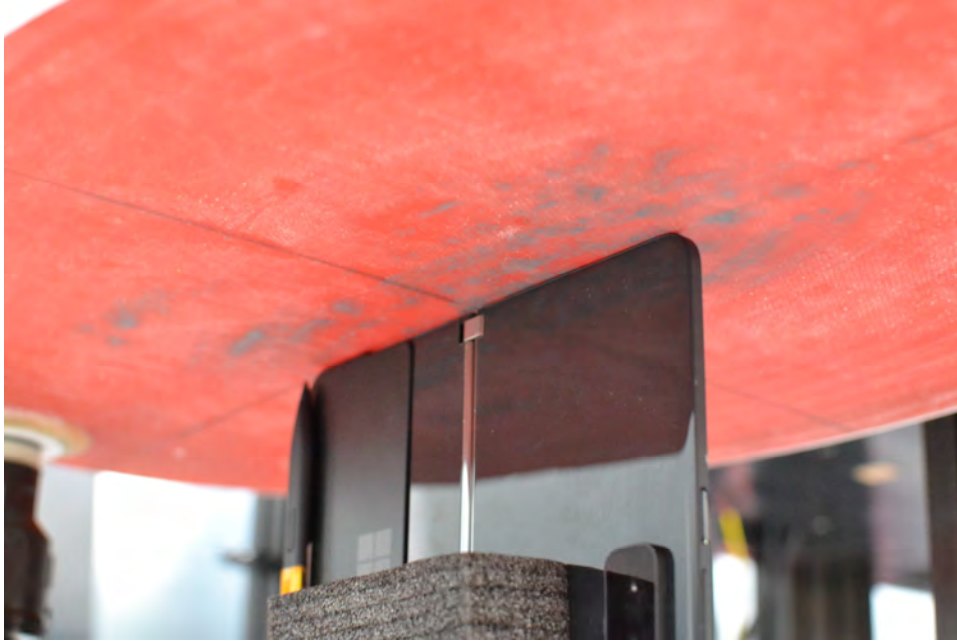


**SAR Test Setup Photo 49 – Flat Configuration (Body) – Left Edge at 0mm with WPT Sleeve and Pen**

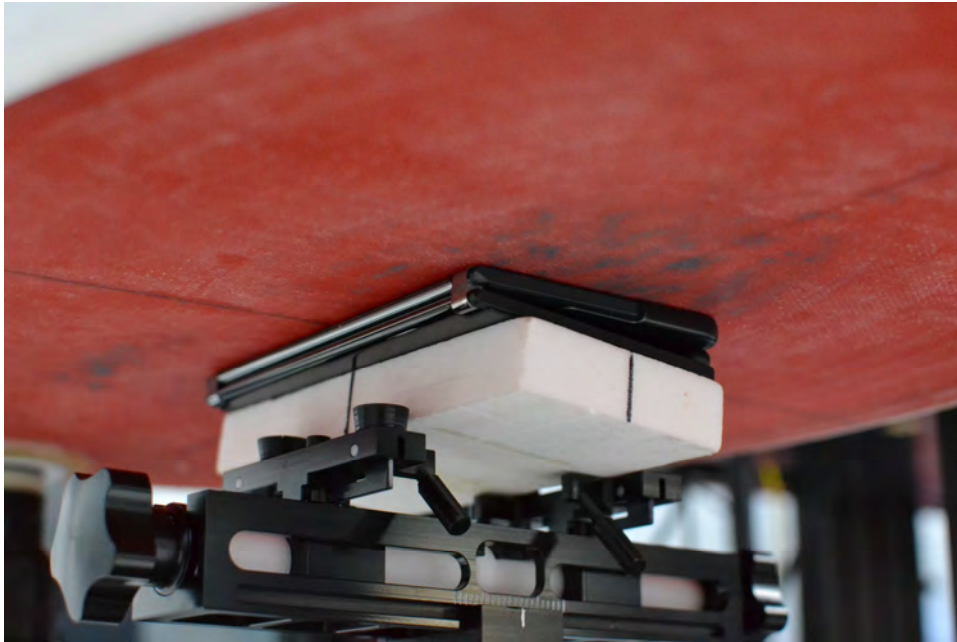


**SAR Test Setup Photo 50 – Closed Configuration (Body) – Bottom Edge at 0mm with WPT Sleeve and Pen**



|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 29 of 31    |



**SAR Test Setup Photo 51 – Flat Configuration (Body) – Bottom Edge at 0mm with WPT Sleeve and Pen**





**SAR Test Setup Photo 52 – Flip Configuration (Body) – Front Side at 0mm with WPT Sleeve and Pen**

|                                       |   |                       |   |                                 |
|---------------------------------------|---|-----------------------|---|---------------------------------|
| FCC ID: C3K1995                       |  | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Test Dates:<br>09/08/2021– 10/04/2021 | DUT Type:<br>Portable Handset   |                       |   | APPENDIX E:<br>Page 30 of 31    |





**SAR Test Setup Photo 53 – Flat Configuration (Body) – Front Side at 0mm with WPT Sleeve and Pen**

|  |   |                              |   |  |
|--|---|------------------------------|---|--|
| <b>FCC ID:</b> C3K1995                       |  | <b>SAR EVALUATION REPORT</b> |  | <b>Approved by:</b><br>Quality Manager |
| <b>Test Dates:</b><br>09/08/2021– 10/04/2021 | <b>DUT Type:</b><br>Portable Handset  |                              |   | <b>APPENDIX E:</b><br>Page 31 of 31    |