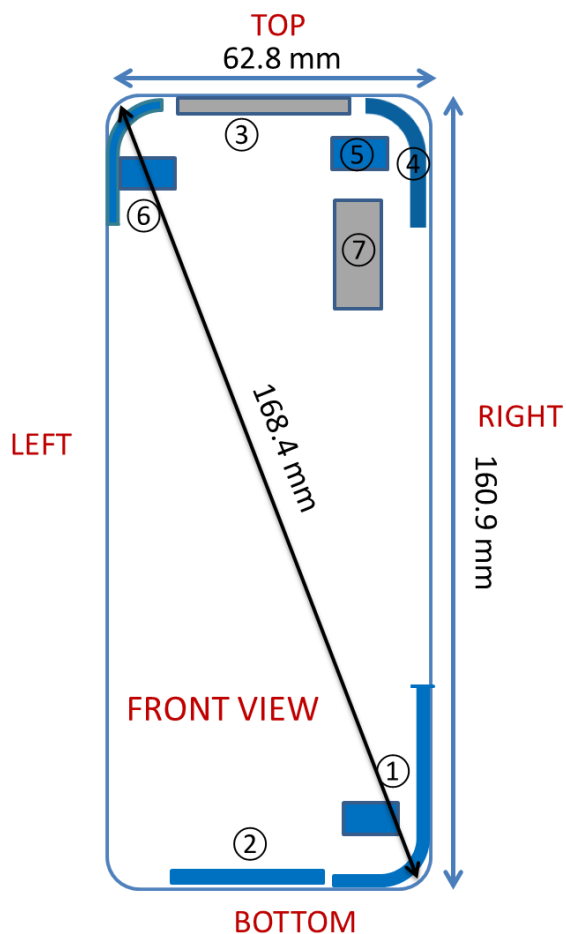


APPENDIX F: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 1 of 21

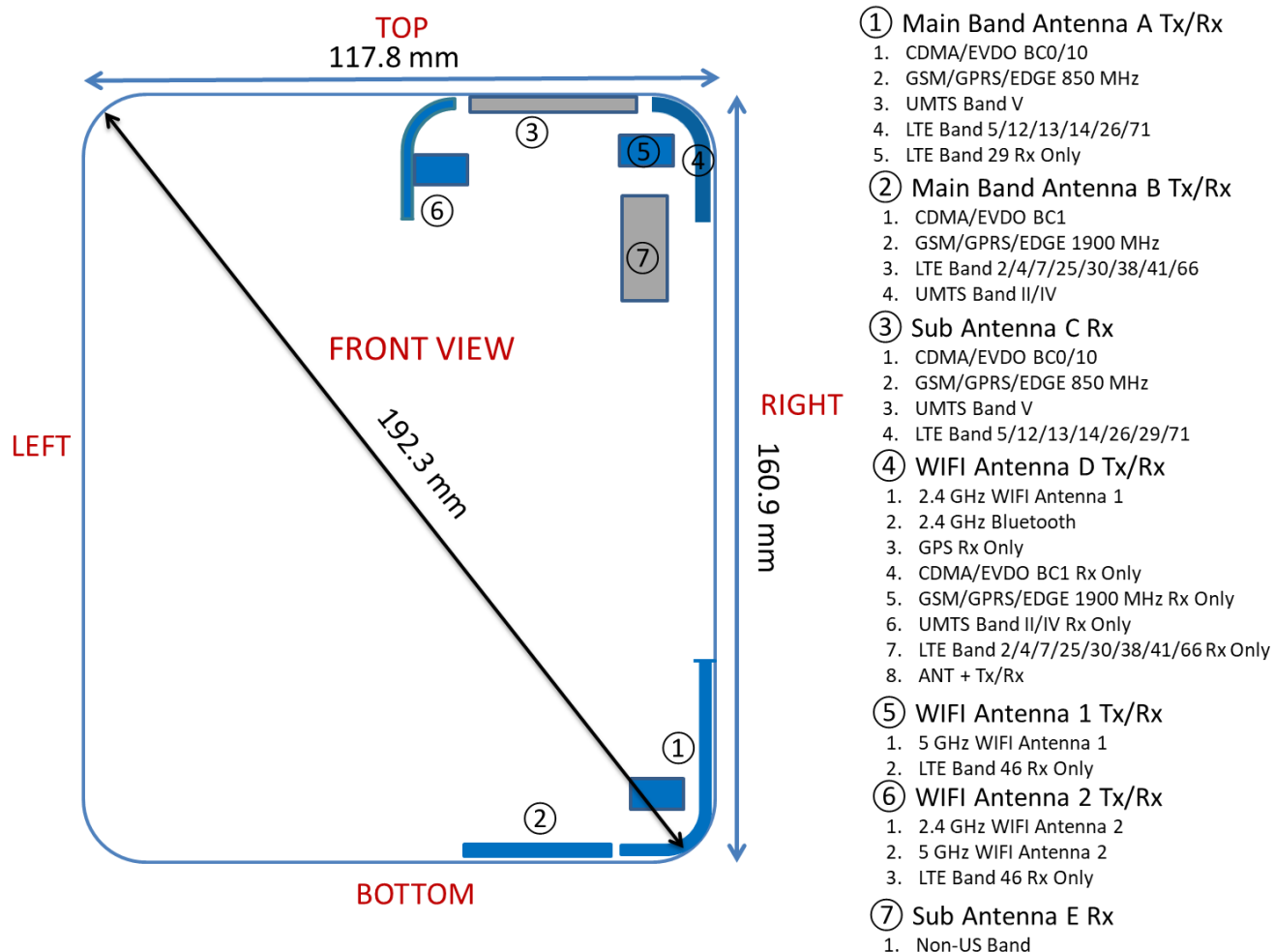


- ① Main Band Antenna A Tx/Rx
 - 1. CDMA/EVDO BC0/10
 - 2. GSM/GPRS/EDGE 850 MHz
 - 3. UMTS Band V
 - 4. LTE Band 5/12/13/14/26/71
 - 5. LTE Band 29 Rx Only
- ② Main Band Antenna B Tx/Rx
 - 1. CDMA/EVDO BC1
 - 2. GSM/GPRS/EDGE 1900 MHz
 - 3. LTE Band 2/4/7/25/30/38/41/66
 - 4. UMTS Band II/IV
- ③ Sub Antenna C Rx
 - 1. CDMA/EVDO BC0/10
 - 2. GSM/GPRS/EDGE 850 MHz
 - 3. UMTS Band V
 - 4. LTE Band 5/12/13/14/26/29/71
- ④ WIFI Antenna D Tx/Rx
 - 1. 2.4 GHz WIFI Antenna 1
 - 2. 2.4 GHz Bluetooth
 - 3. GPS Rx Only
 - 4. CDMA/EVDO BC1 Rx Only
 - 5. GSM/GPRS/EDGE 1900 MHz Rx Only
 - 6. UMTS Band II/IV Rx Only
 - 7. LTE Band 2/4/7/25/30/38/41/66 Rx Only
 - 8. ANT + Tx/Rx
- ⑤ WIFI Antenna 1 Tx/Rx
 - 1. 5 GHz WIFI Antenna 1
 - 2. LTE Band 46 Rx Only
- ⑥ WIFI Antenna 2 Tx/Rx
 - 1. 2.4 GHz WIFI Antenna 2
 - 2. 5 GHz WIFI Antenna 2
 - 3. LTE Band 46 Rx Only
- ⑦ Sub Antenna E Rx
 - 1. Non-US Band

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

Figure F-1
DUT Antenna Locations – Closed Configuration

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 2 of 21



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

Figure F-1
DUT Antenna Locations – Open Configuration

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 3 of 21

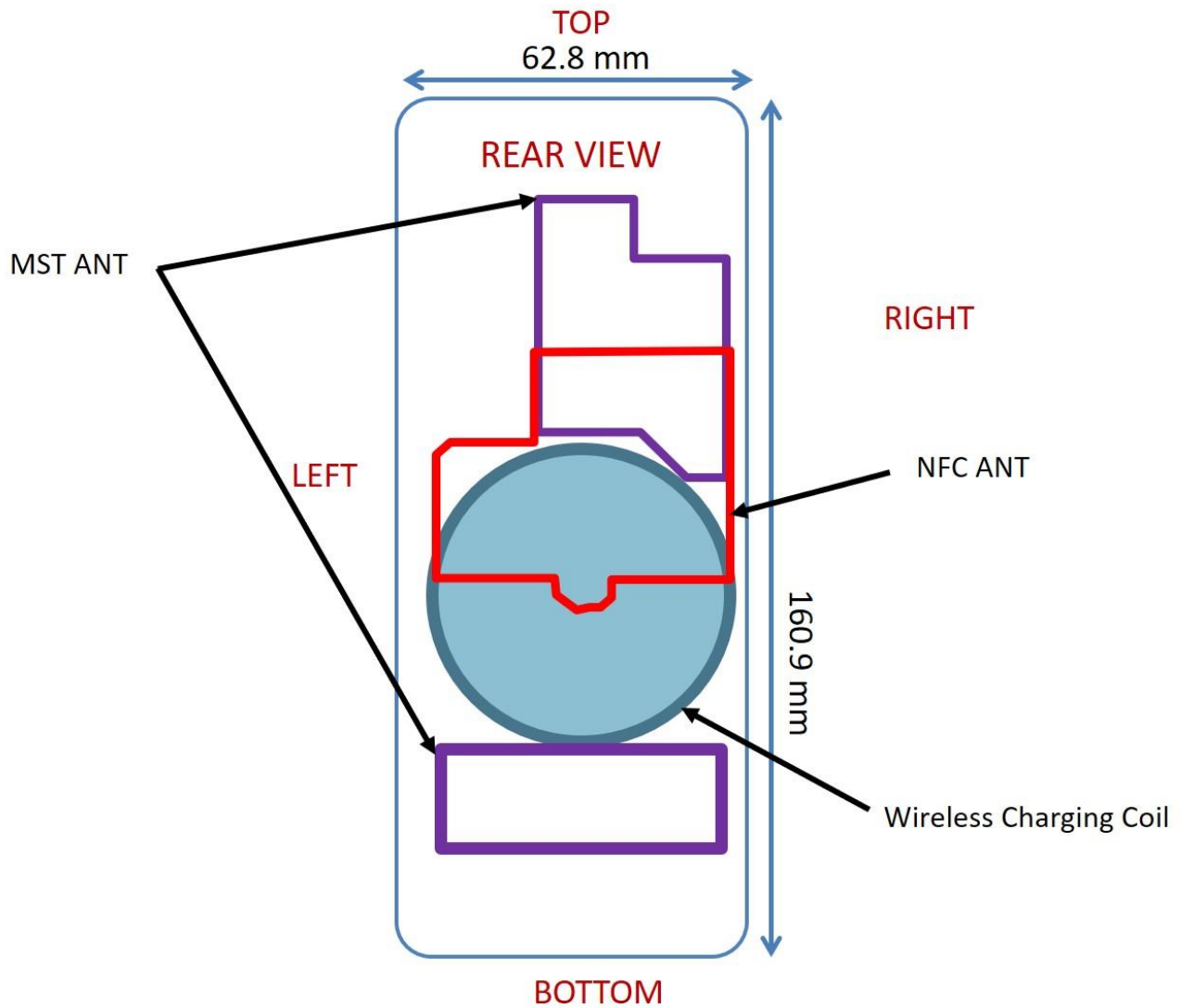
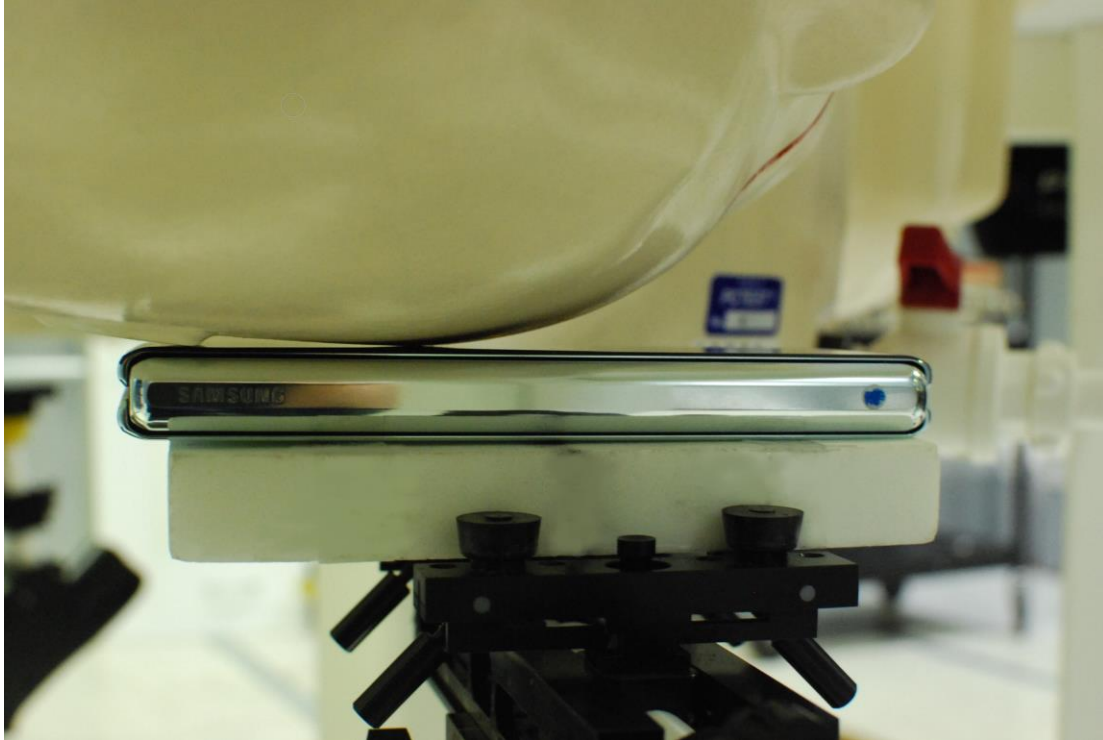
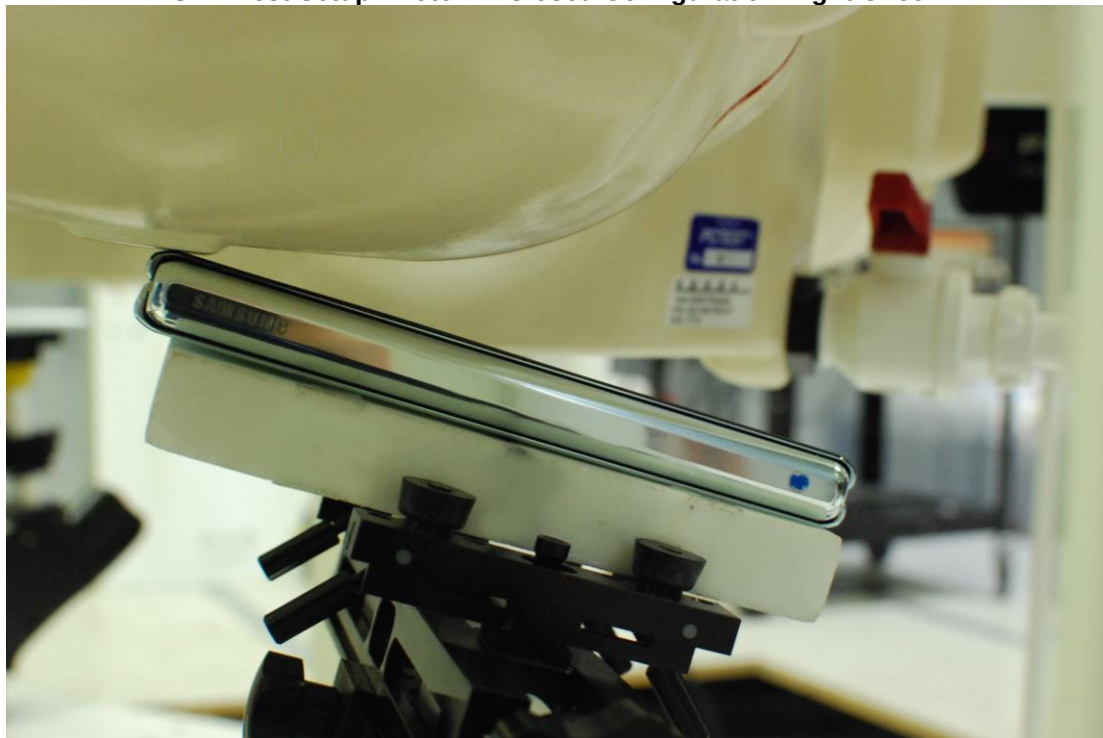


Figure F-2
NFC Antenna Locations

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 4 of 21

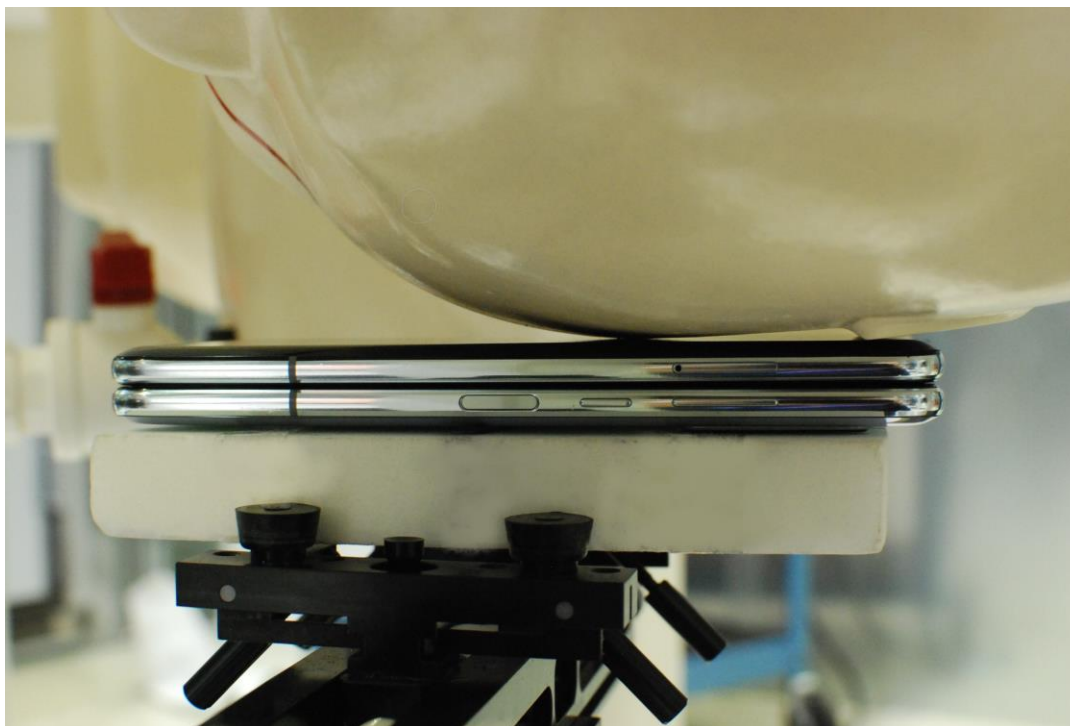


SAR Test Setup Photo 1 – Closed Configuration Right Cheek

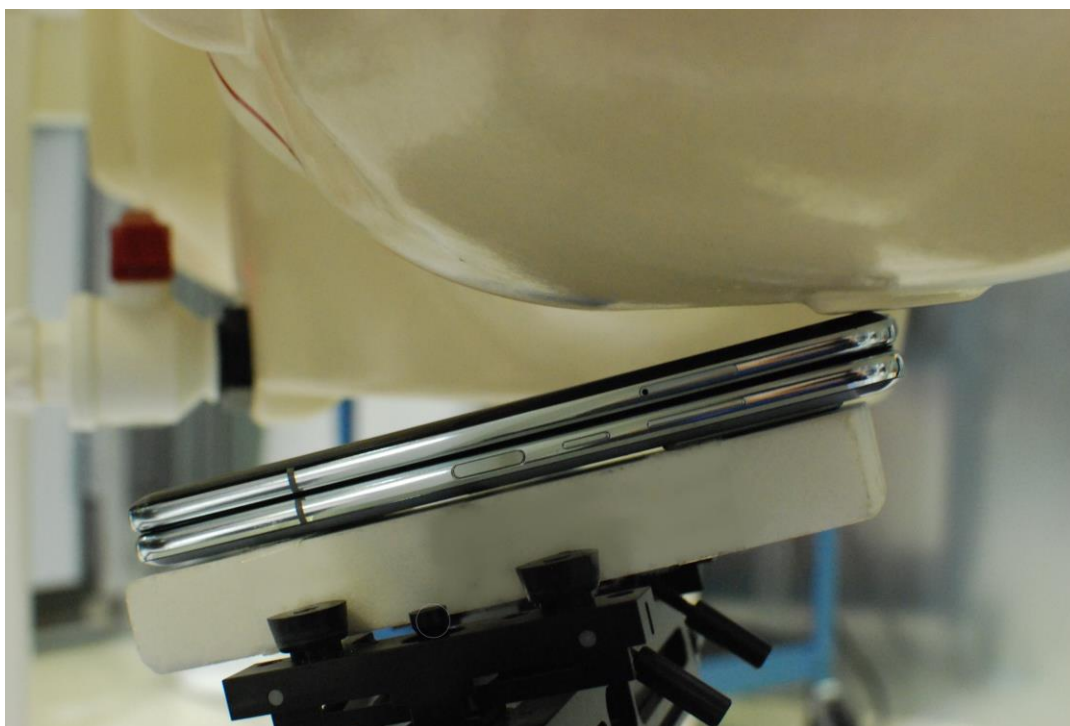


SAR Test Setup Photo 2 – Closed Configuration Right Tilt

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 5 of 21



SAR Test Setup Photo 3 –Closed Configuration Left Cheek



SAR Test Setup Photo 4 –Closed Configuration Left Tilt

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 6 of 21



SAR Test Setup Photo 5 – Closed Configuration Back Side at 1.5cm

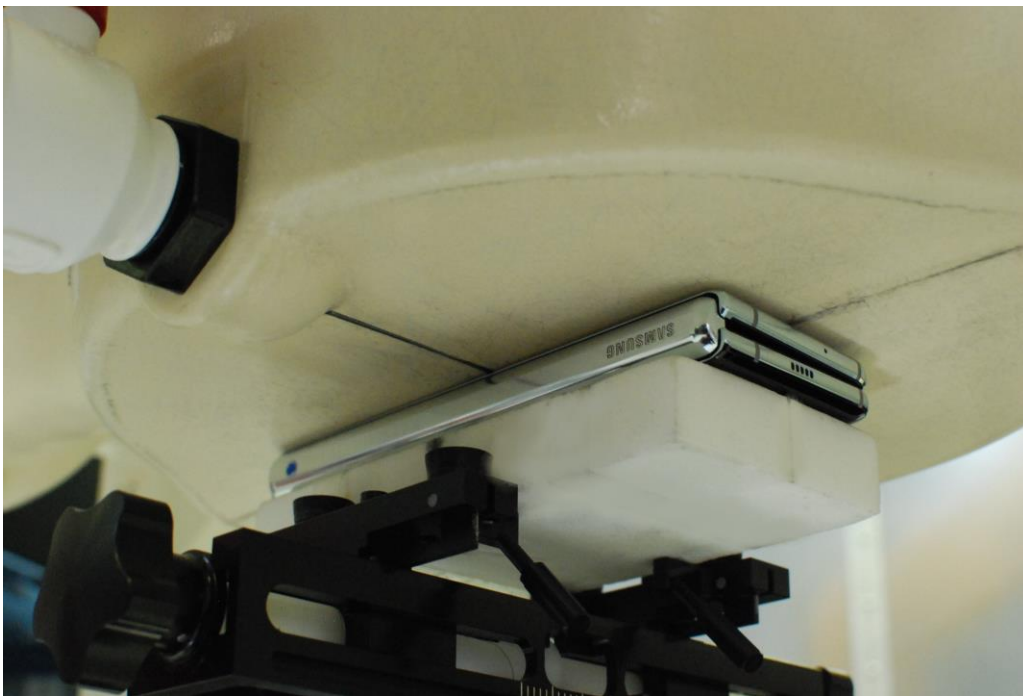


SAR Test Setup Photo 6 – Closed Configuration Back Side at 1.0cm

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 7 of 21



SAR Test Setup Photo 7 – Closed Configuration Back Side at 0.7cm



SAR Test Setup Photo 8 – Closed Configuration Back Side at 0.0cm

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 8 of 21



SAR Test Setup Photo 9 – Closed Configuration Front Side at 1.0cm



SAR Test Setup Photo 10 – Closed Configuration Front Side at 0.0cm

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 9 of 21

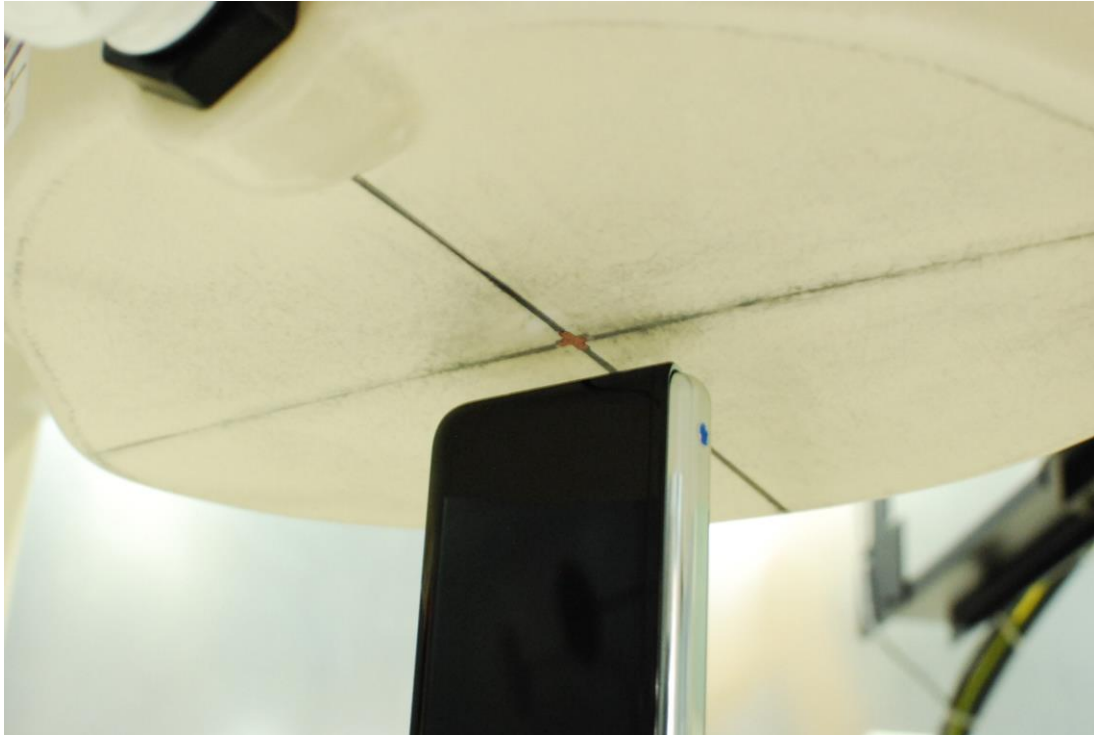


SAR Test Setup Photo 11 – Closed Configuration Top Edge at 1.0cm



SAR Test Setup Photo 12 – Closed Configuration Top Edge at 0.0cm

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 10 of 21



SAR Test Setup Photo 13 – Closed Configuration Bottom Edge at 1.1cm



SAR Test Setup Photo 14 – Closed Configuration Bottom Edge at 1.0cm

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 11 of 21

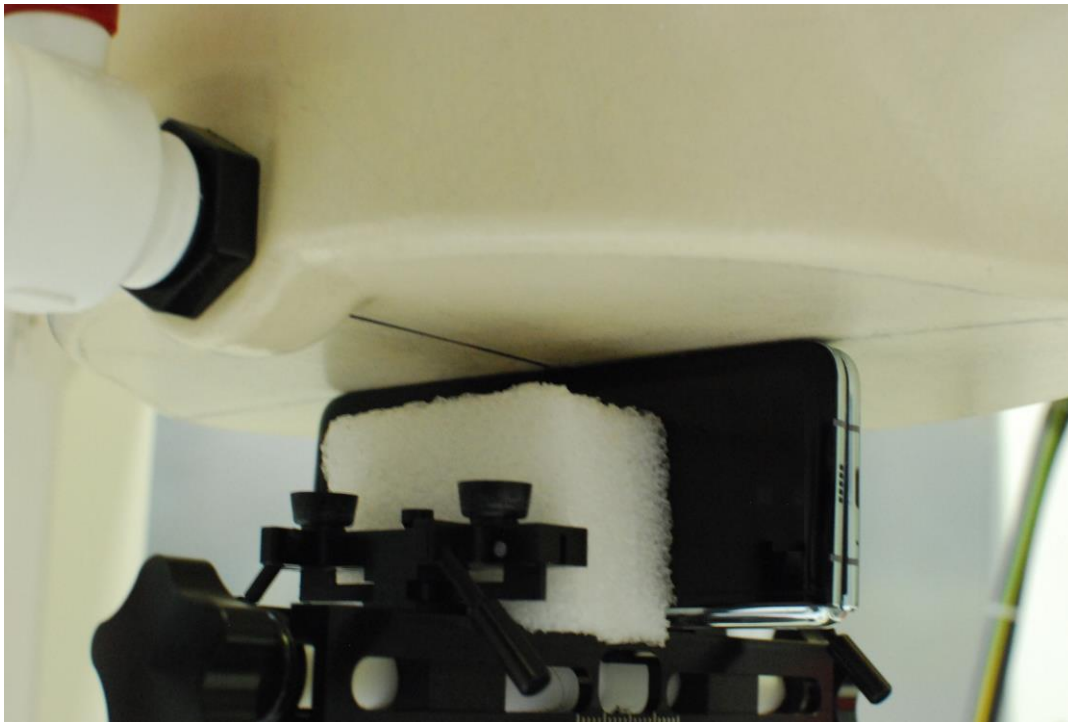


SAR Test Setup Photo 15 – Closed Configuration Bottom Edge at 0.0cm



SAR Test Setup Photo 16 – Closed Configuration Right Edge at 1.0cm

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 12 of 21

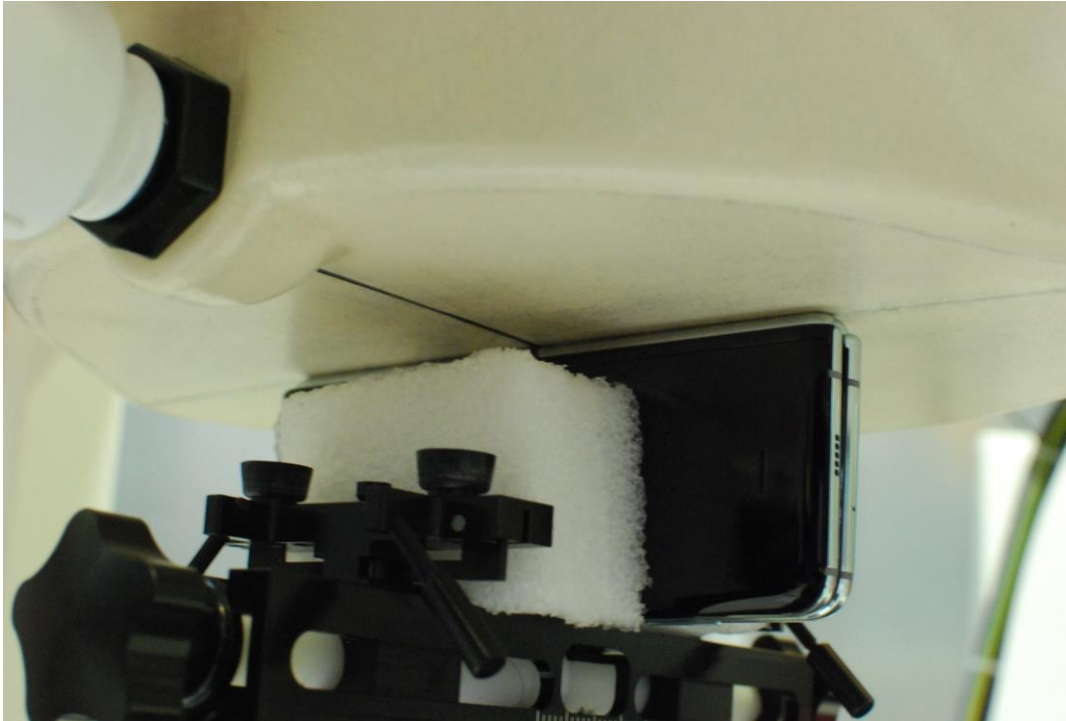


SAR Test Setup Photo 17 – Closed Configuration Right Edge at 0.0cm



SAR Test Setup Photo 18 – Closed Configuration Left Edge at 1.0cm

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 13 of 21



SAR Test Setup Photo 19 – Closed Configuration Left Edge at 0.0cm



SAR Test Setup Photo 20 – Open Configuration Back Side at 1.0cm

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 14 of 21



SAR Test Setup Photo 21 – Open Configuration Back Side at 0.8cm



SAR Test Setup Photo 22 – Open Configuration Back Side at 0.0cm

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 15 of 21



SAR Test Setup Photo 23 – Open Configuration Front Side at 1.0cm

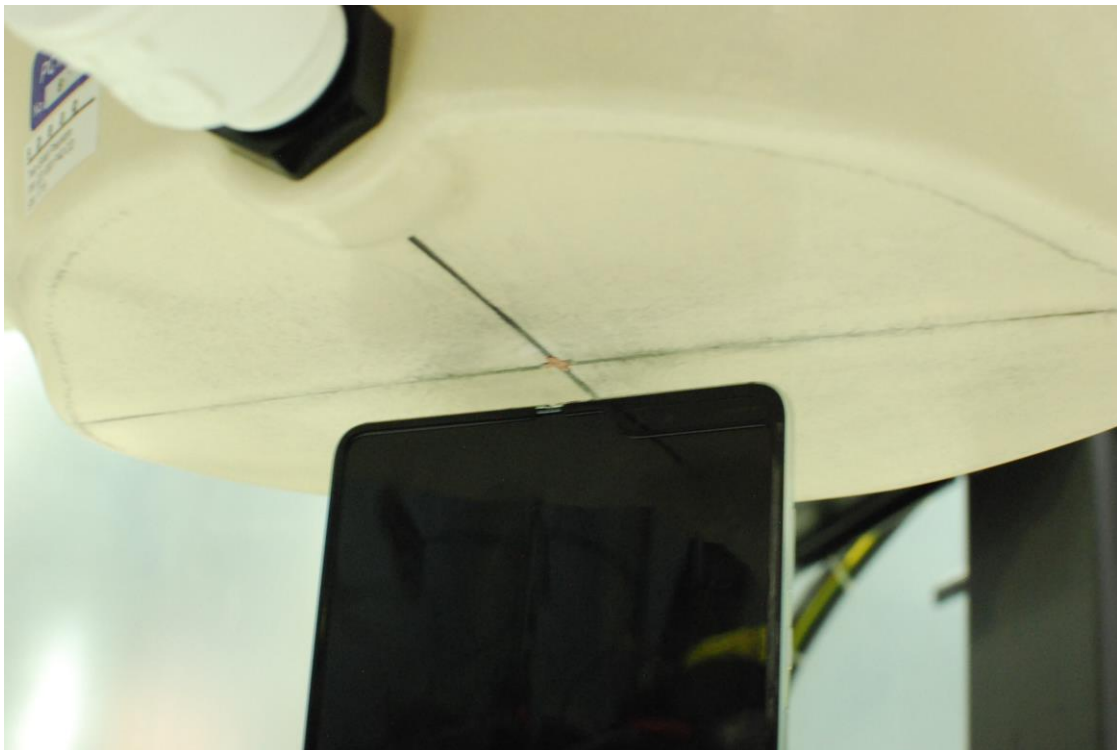


SAR Test Setup Photo 24 – Open Configuration Front Side at 0.8cm

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 16 of 21



SAR Test Setup Photo 25 – Open Configuration Front Side at 0.0cm

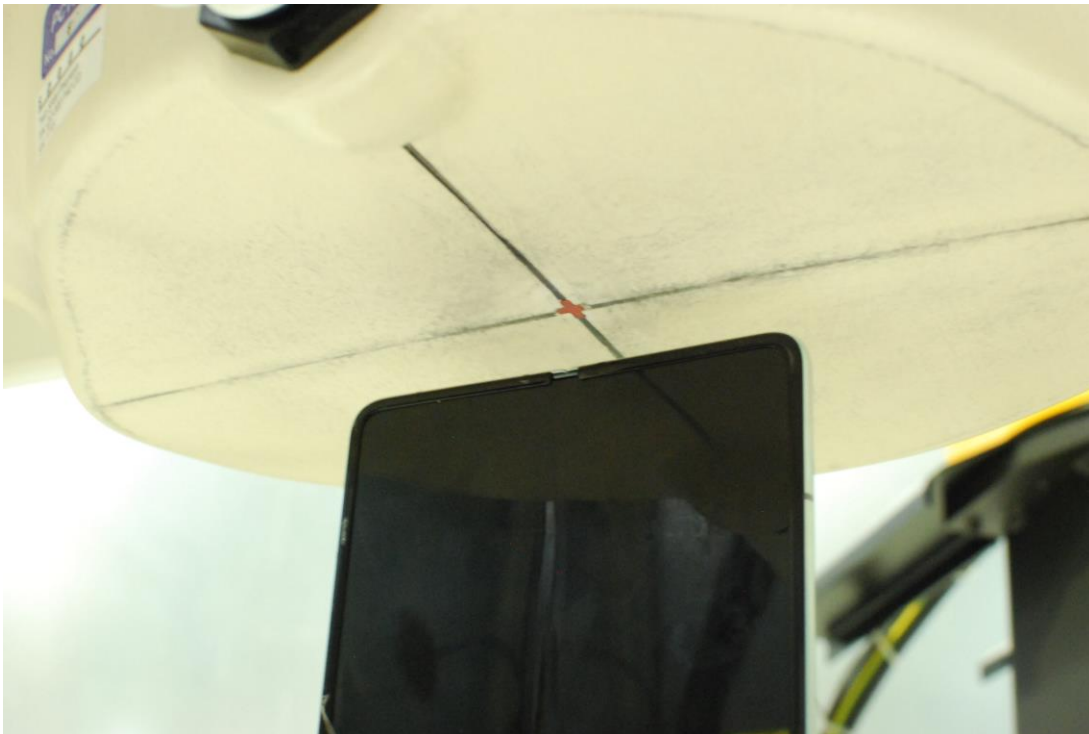


SAR Test Setup Photo 26 – Open Configuration Top Edge at 1.0cm

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 17 of 21

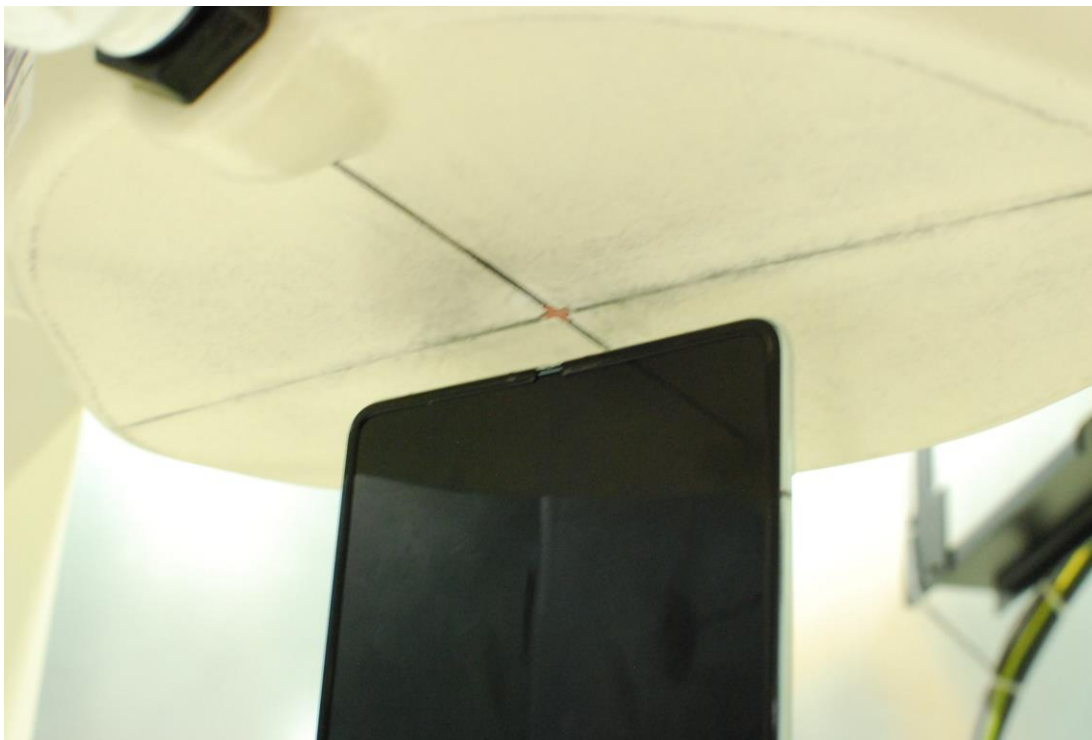


SAR Test Setup Photo 27 – Open Configuration Top Edge at 0.0cm

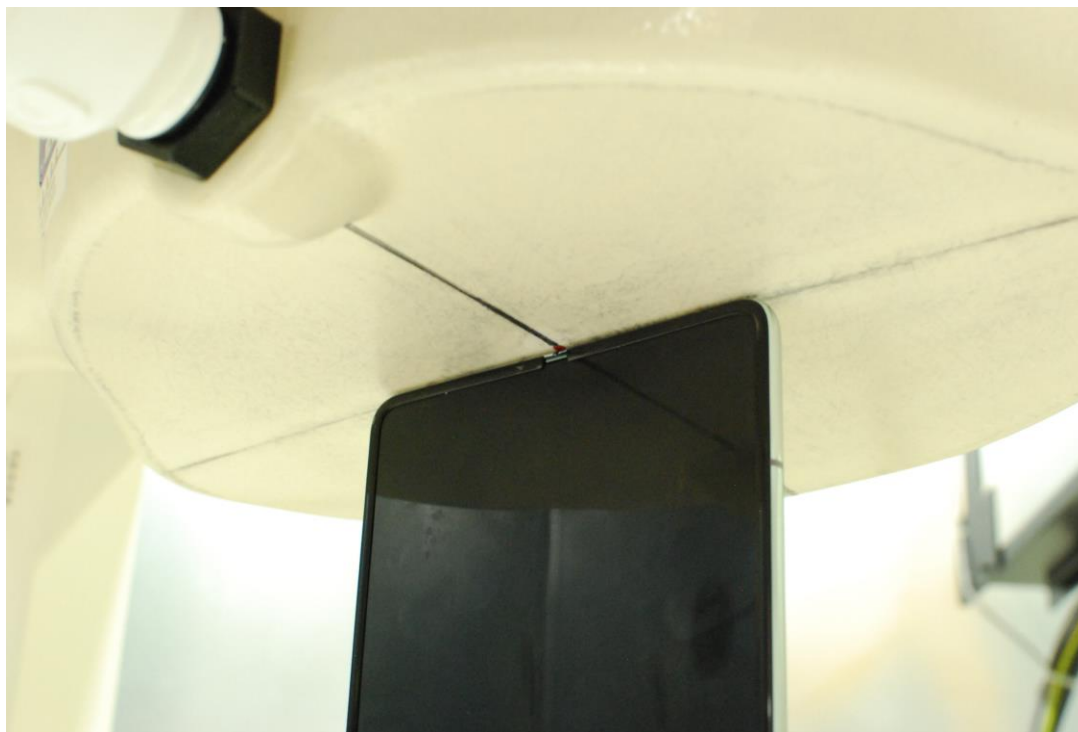


SAR Test Setup Photo 28 – Open Configuration Bottom Edge at 1.3cm

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 18 of 21

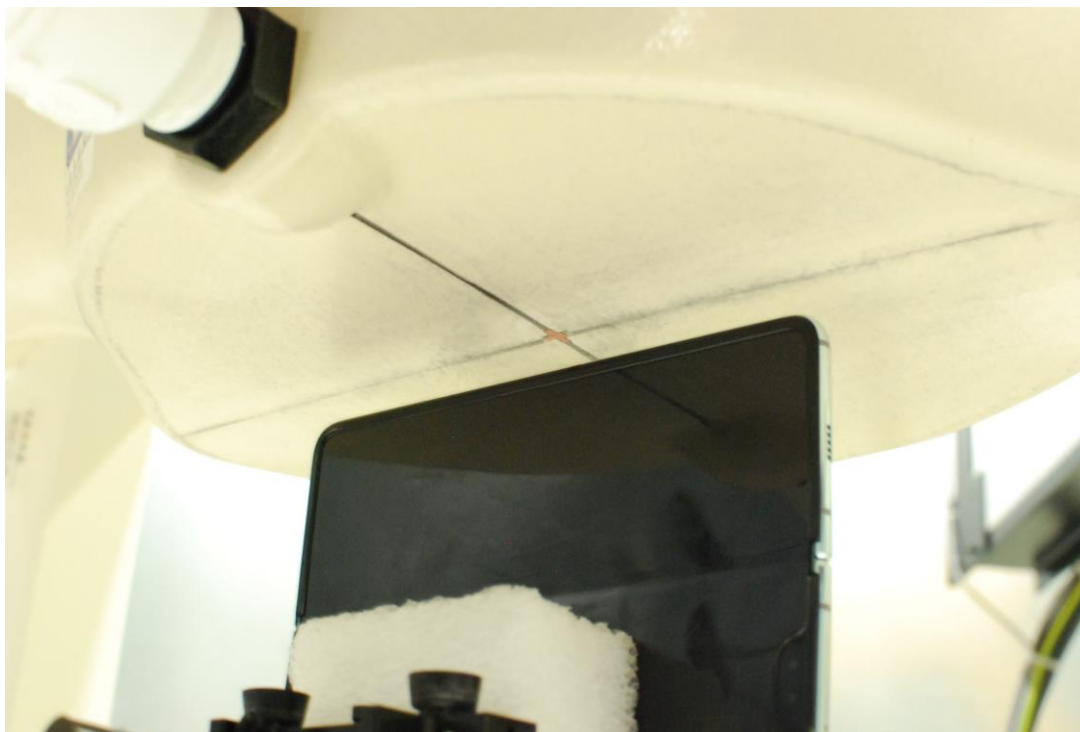


SAR Test Setup Photo 29 – Open Configuration Bottom Edge at 1.0cm



SAR Test Setup Photo 30 – Open Configuration Bottom Edge at 0.0cm

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 19 of 21



SAR Test Setup Photo 31 – Open Configuration Right Edge at 1.0cm



SAR Test Setup Photo 32 – Open Configuration Right Edge at 0.0cm

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 20 of 21



SAR Test Setup Photo 33 – Closed Configuration Horizontal and Vertical Reference Lines

FCC ID: A3LSMF970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 01/21/19 - 03/13/19	DUT Type: Portable Handset			APPENDIX F: Page 21 of 21