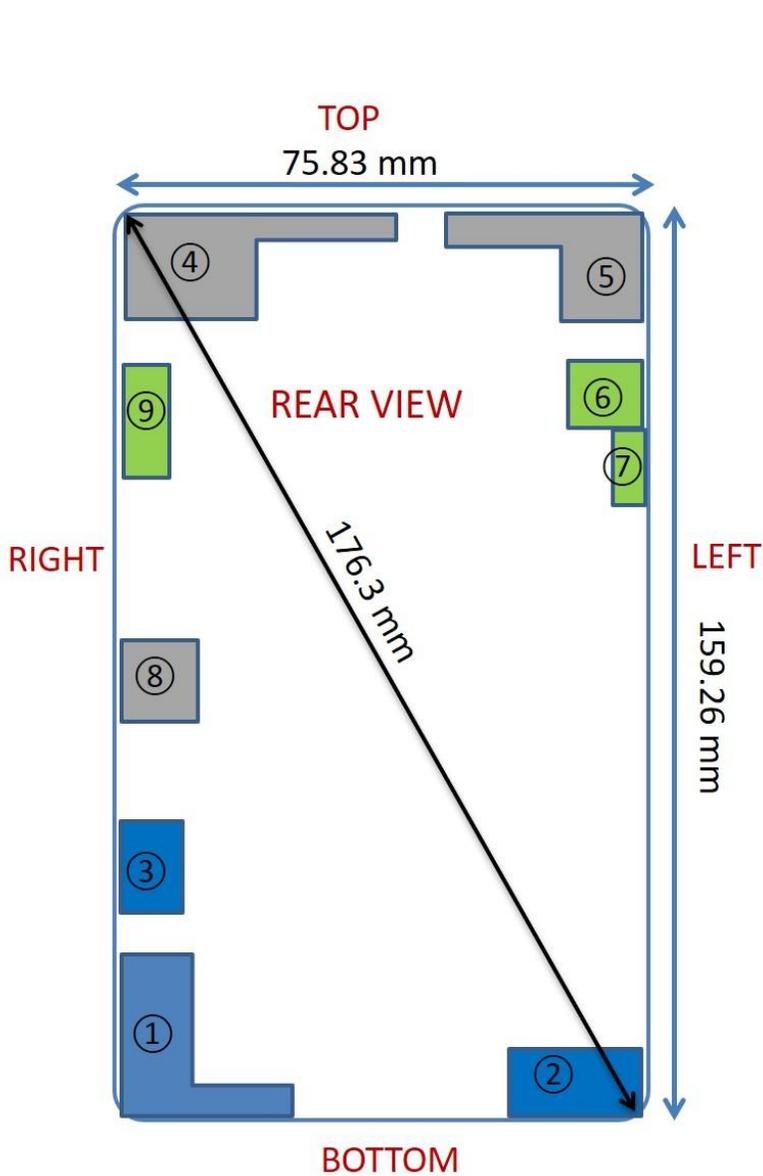


APPENDIX F: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset			APPENDIX F: Page 1 of 26



- ① Main Band Antenna I Tx/Rx
 1. CDMA/EVDO BC10/BC0
 2. GSM/GPRS/EDGE 850 MHz
 3. UMTS Band V
 4. LTE Band 5/12/13/14/17/26/71
 5. LTE Band 7/29/41 Rx only
- ② Main Band Antenna II Tx/Rx
 1. CDMA/EVDO BC1
 2. GSM/GPRS/EDGE 1900 MHz
 3. UMTS Band II/IV
 4. LTE Band 2/4/25/66
- ③ Main Antenna III Tx/Rx
 1. LTE Band 7/30/41/48
 2. LTE Band 2/4/25/66 Rx only
- ④ Sub Antenna I Rx only
 1. CDMA/EVDO BC10/BC0
 2. GSM/GPRS/EDGE 850 MHz
 3. UMTS Band V
 4. LTE Band 2/4/5/7/12/13/14/17/25/26/29/30/66/41/71
- ⑤ Sub Antenna II Rx only
 1. GNSS
 2. CDMA/EVDO BC1
 3. GSM/GPRS/EDGE 1900 MHz
 4. UMTS Band II/IV
 5. LTE Band 2/4/7/25/30/66/41
- ⑥ WIFI Antenna Tx/Rx
 1. 2.4 GHz WIFI Ant 2
 2. 5 GHz WIFI Ant 2
 3. LTE Band 46 Rx only
- ⑦ WIFI Antenna Tx/Rx
 1. 5 GHz WIFI Ant 1
 2. LTE Band 46 Rx only
- ⑧ Sub Antenna III Rx only
 1. LTE Band 48
- ⑨ WIFI/BT Antenna Tx/Rx
 1. 2.4 GHz WIFI Ant 1
 2. 2.4 GHz Bluetooth

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

Figure F-1
DUT Antenna Locations

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset			APPENDIX F: Page 2 of 26

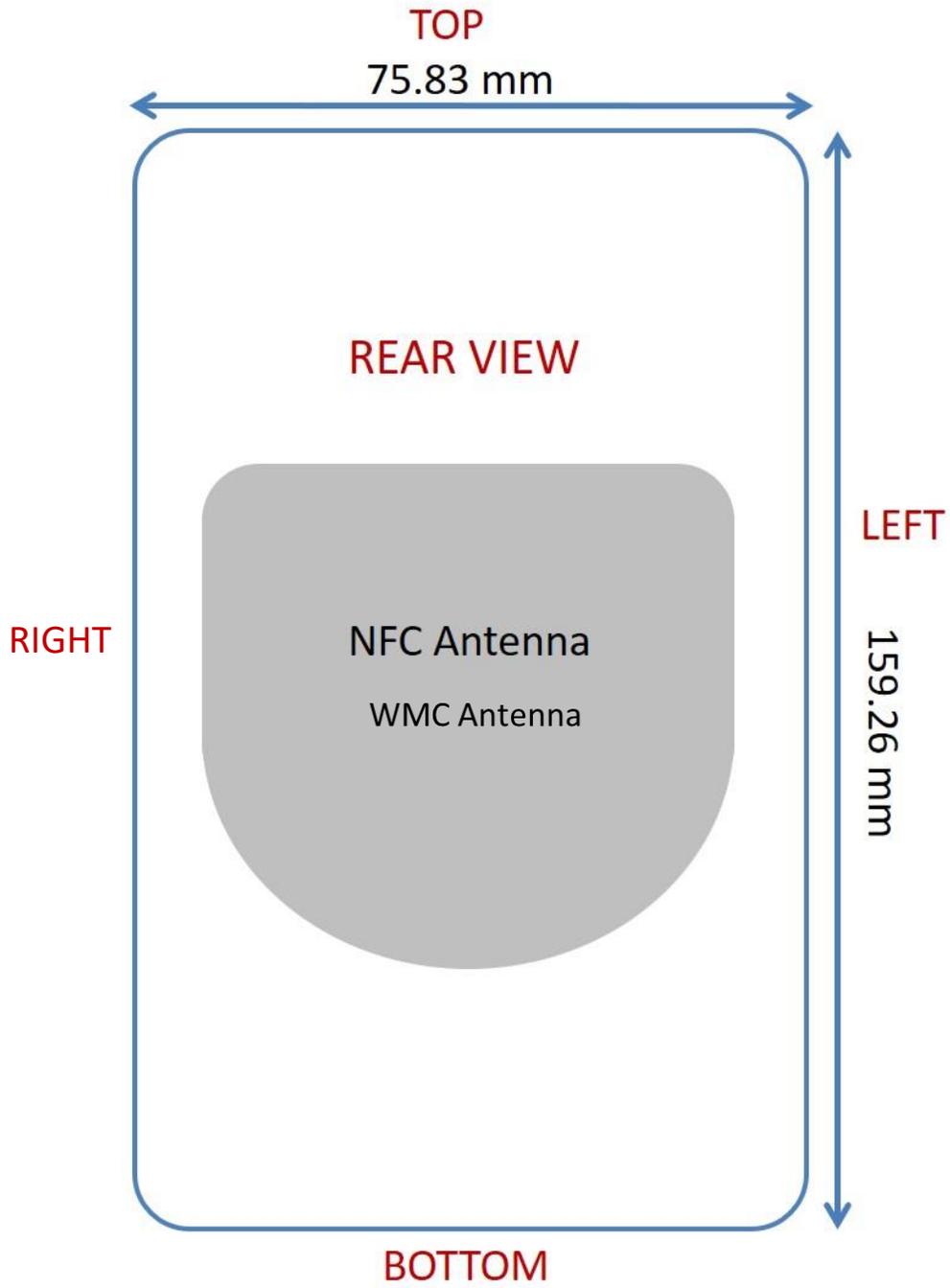
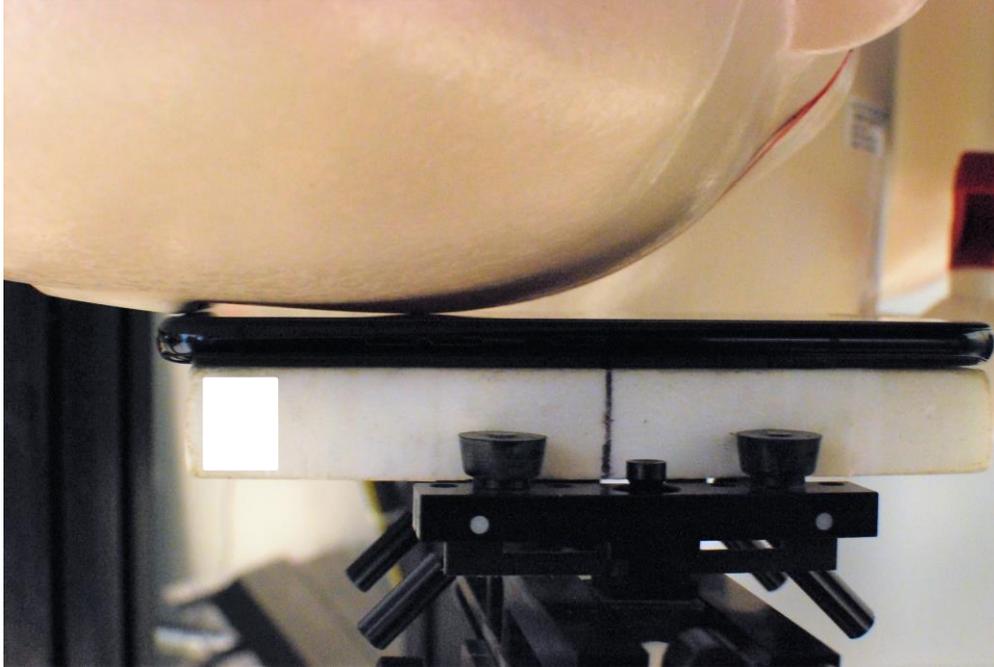
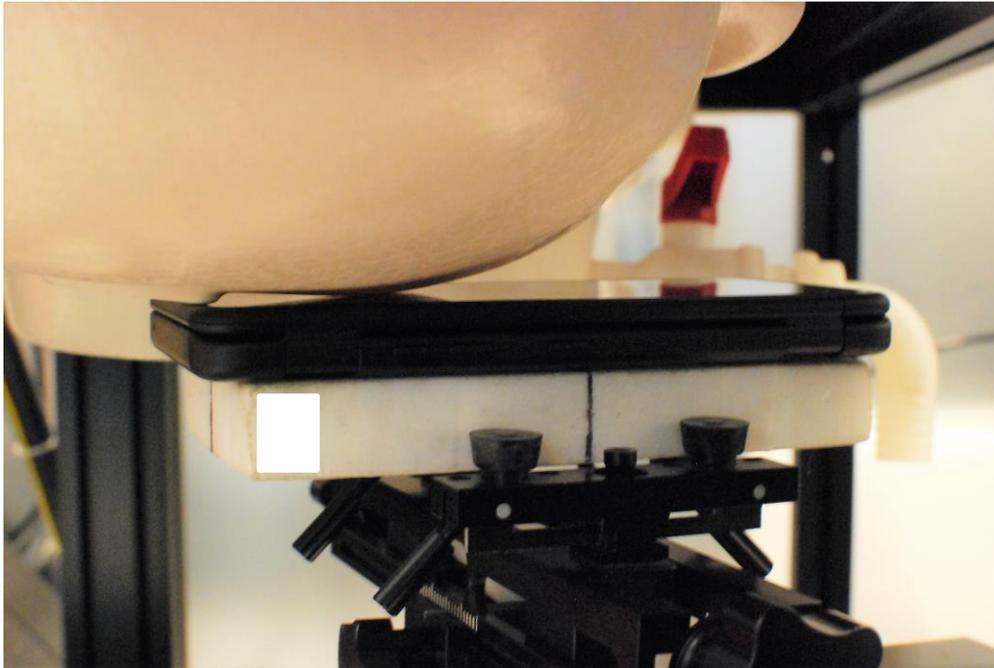


Figure F-2
NFC Antenna Locations

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset	APPENDIX F: Page 3 of 26		

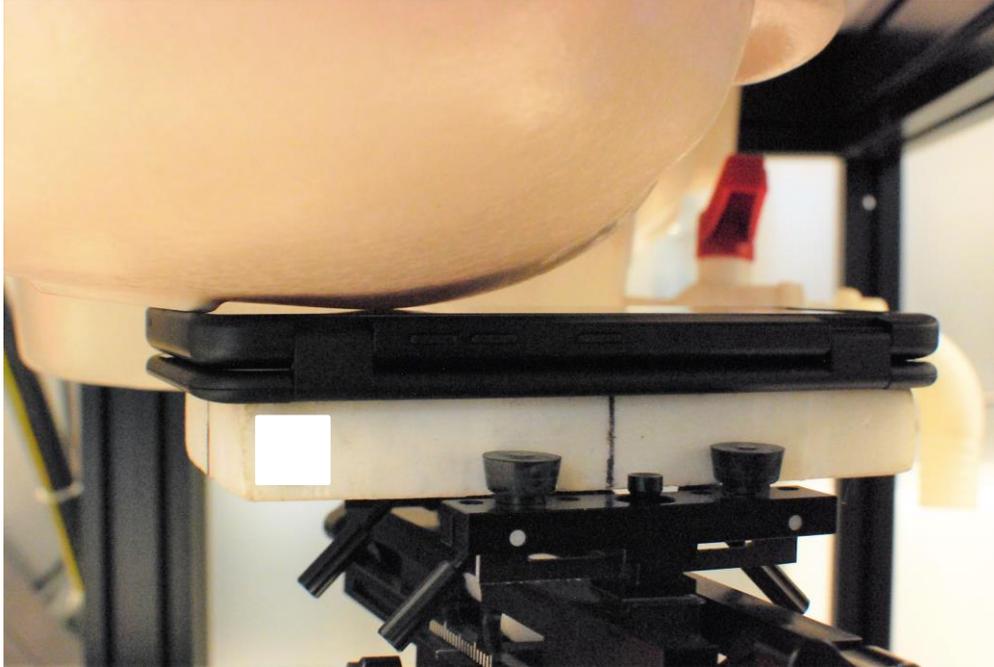


SAR Test Setup Photo 1 – Right Cheek

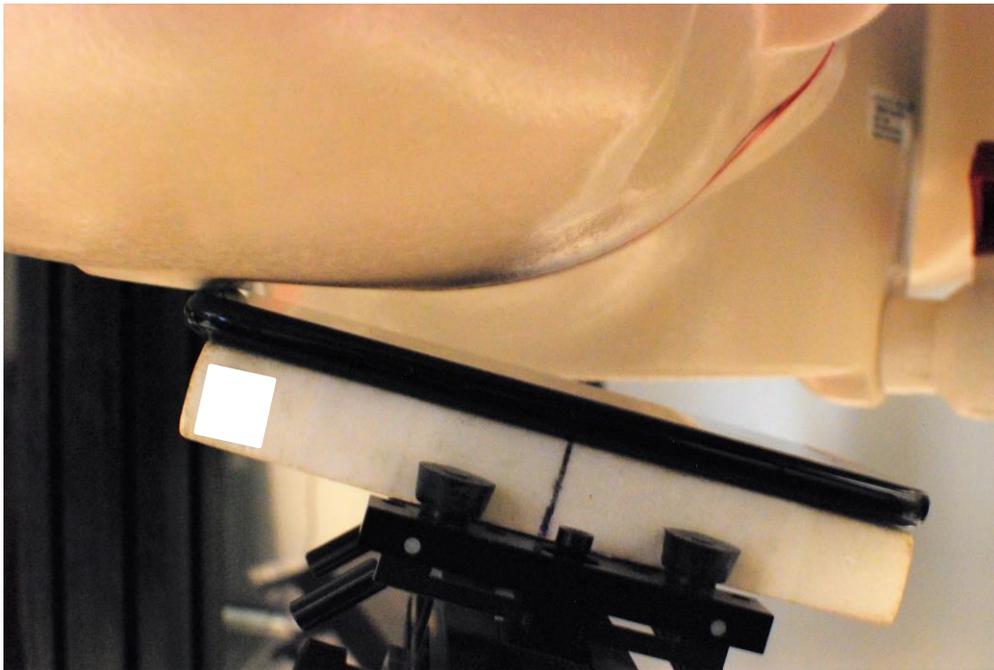


SAR Test Setup Photo 2 – Right Cheek with Dual Display Cover Position #1 (0 degrees)

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
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SAR Test Setup Photo 3 – Right Cheek with Dual Display Cover Position #3 (360 degrees)

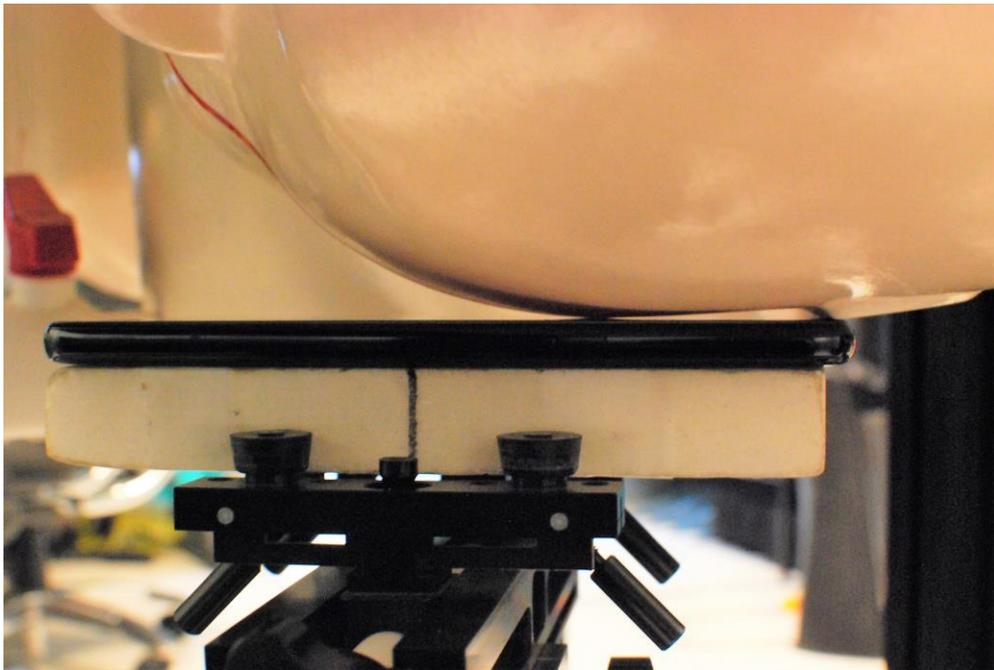


SAR Test Setup Photo 4 – Right Tilt

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset			APPENDIX F: Page 5 of 26

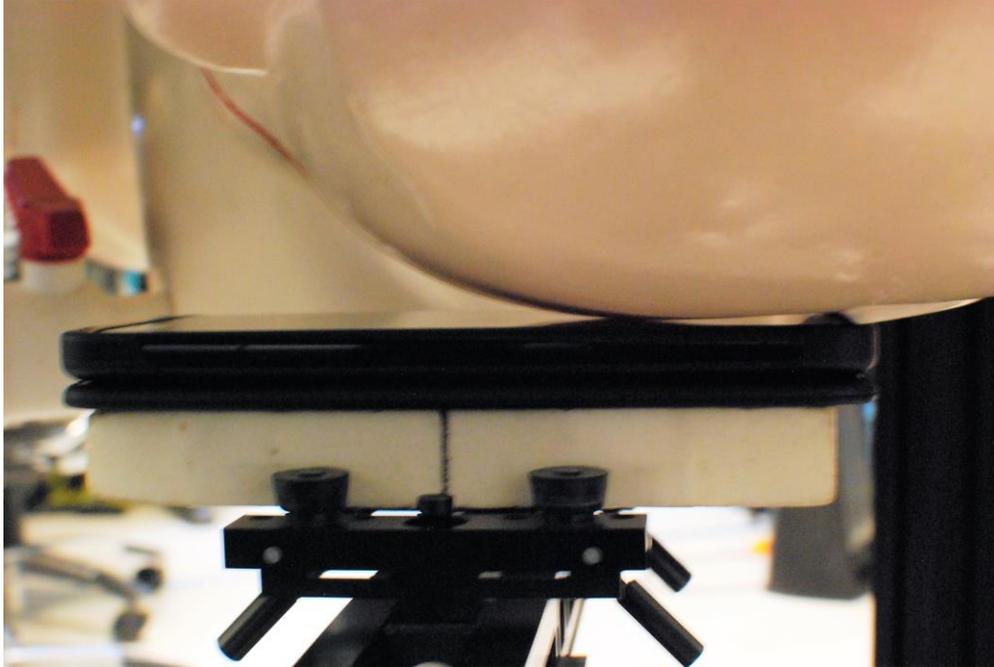


SAR Test Setup Photo 5 – Right Tilt with Dual Display Cover Position #3 (360 degrees)

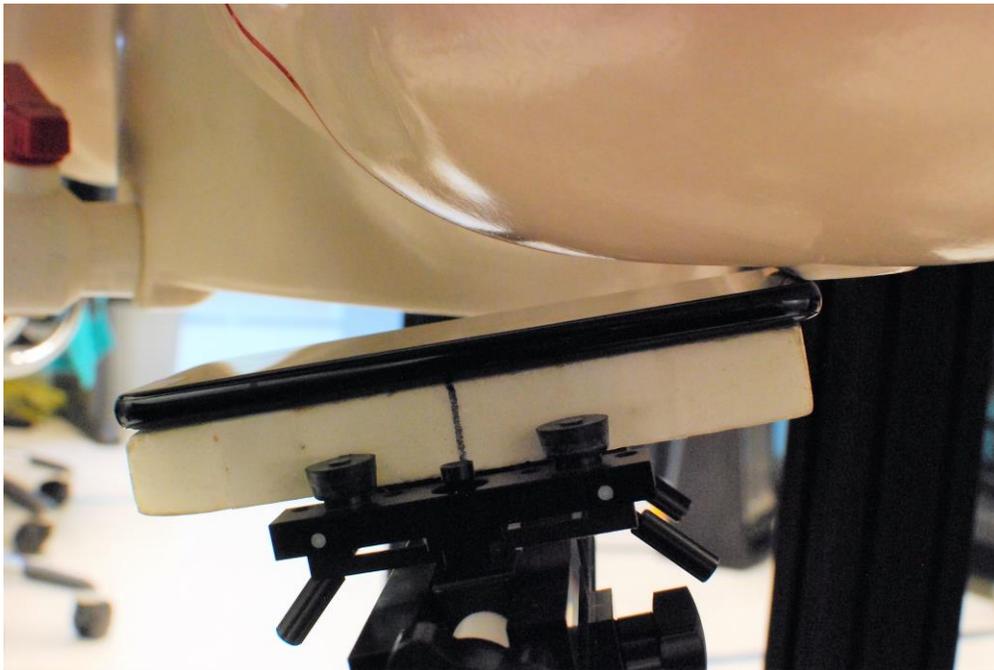


SAR Test Setup Photo 6 – Left Cheek

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset			APPENDIX F: Page 6 of 26

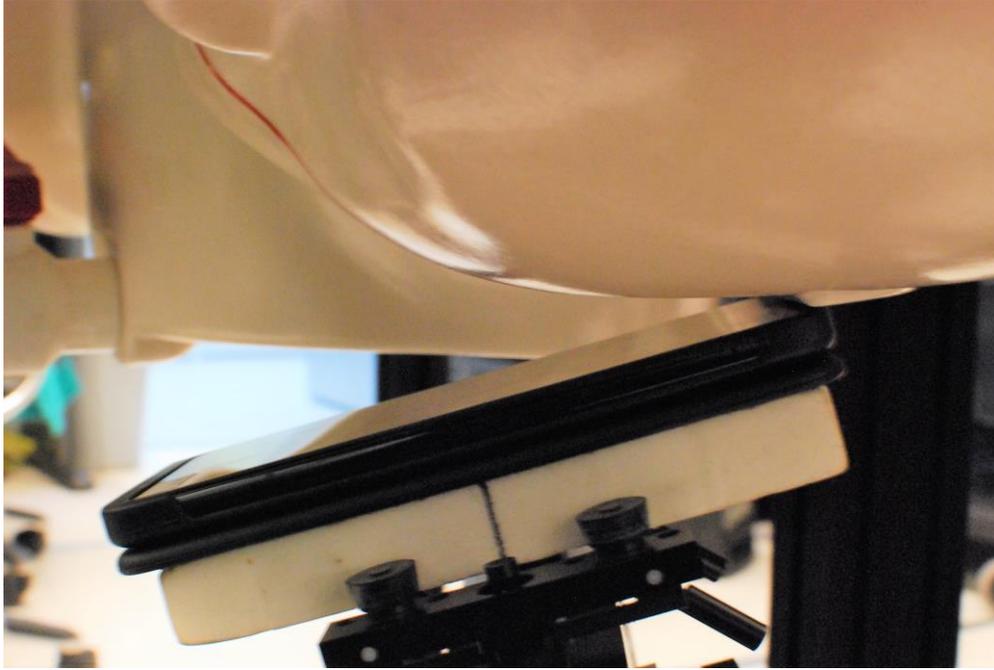


SAR Test Setup Photo 7 – Left Cheek with Dual Display Cover Position #3 (360 degrees)

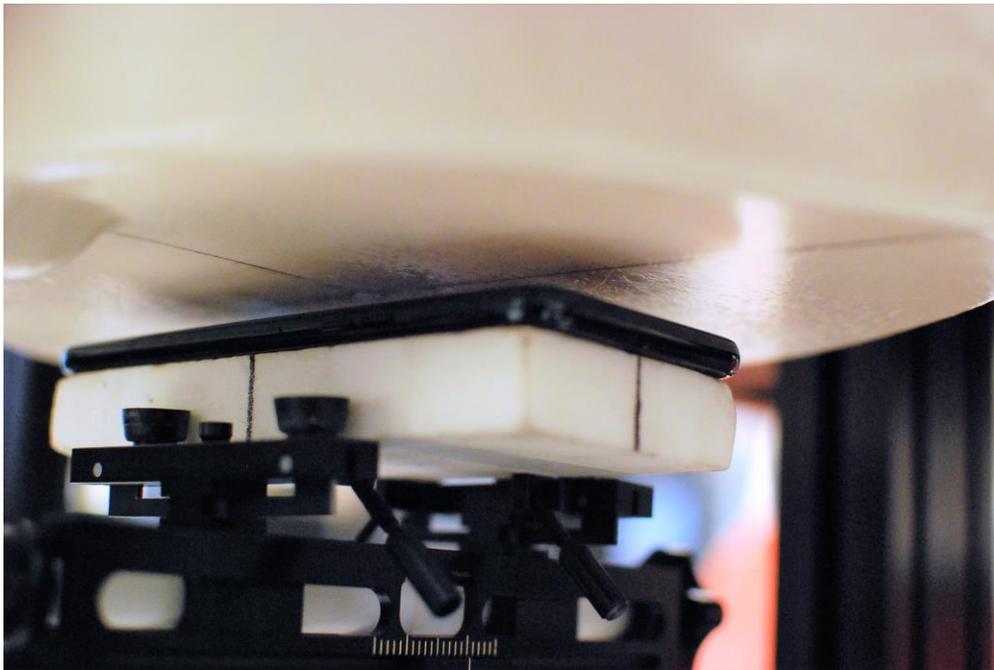


SAR Test Setup Photo 8 – Left Tilt

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset			APPENDIX F: Page 7 of 26



SAR Test Setup Photo 9 – Left Tilt with Dual Display Cover Position #3 (360 degrees)

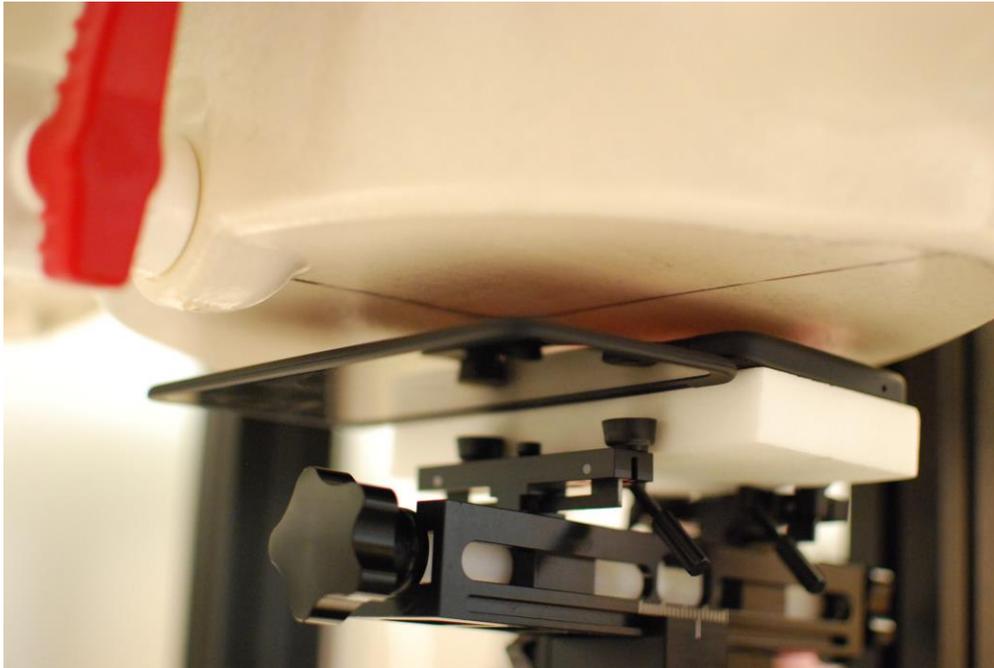


SAR Test Setup Photo 10 – Back Side at 10 mm

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset			APPENDIX F: Page 8 of 26



SAR Test Setup Photo 11 – Back Side at 10 mm with Dual Display Cover Position #1 (0 degrees)

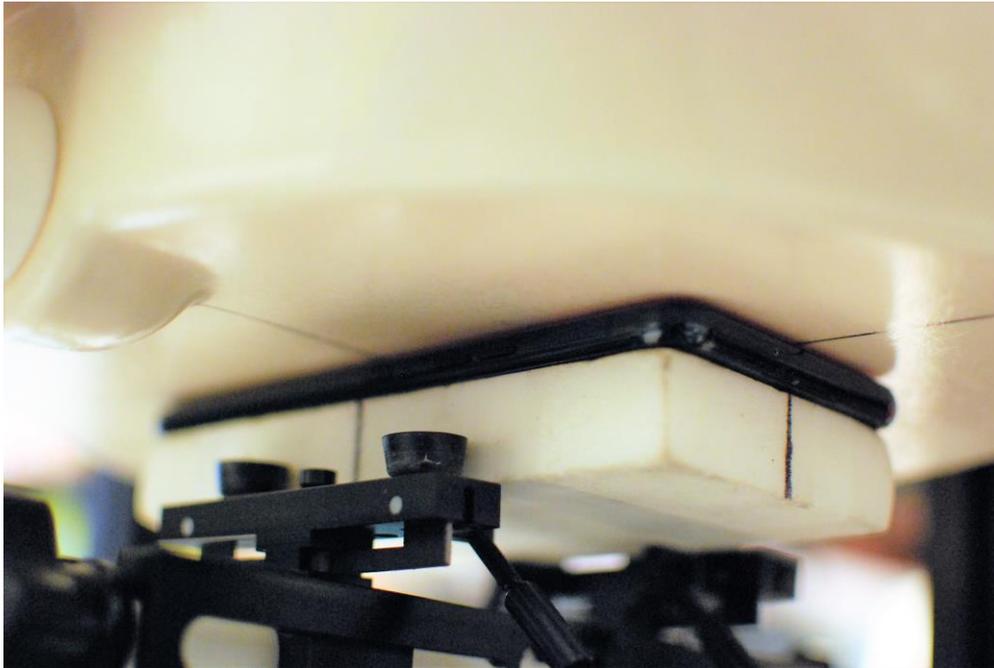


SAR Test Setup Photo 12 – Back Side at 10 mm with Dual Display Cover Position #2 (180 degrees)

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset			APPENDIX F: Page 9 of 26

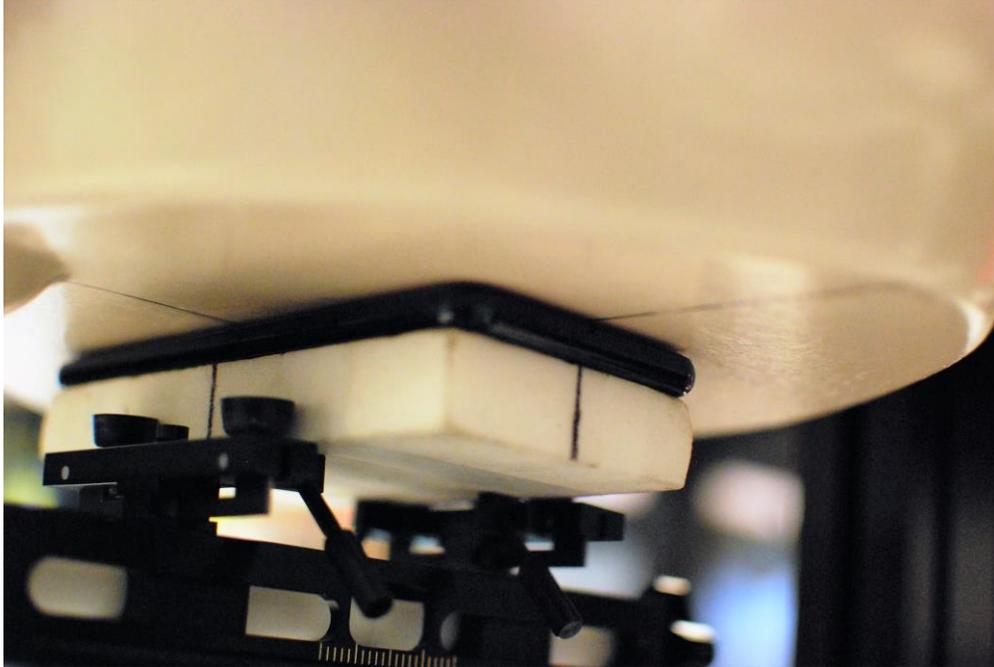


SAR Test Setup Photo 13 – Back Side at 10 mm with Dual Display Cover Position #3 (360 degrees)



SAR Test Setup Photo 14 – Back Side at 1 mm

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset			APPENDIX F: Page 10 of 26



SAR Test Setup Photo 15 – Back Side at 0 mm



SAR Test Setup Photo 16 – Back Side at 0 mm with Dual Display Cover Position #1 (0 degrees)

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
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SAR Test Setup Photo 17 – Back Side at 0 mm with Dual Display Cover Position #2 (180 degrees)



SAR Test Setup Photo 18 – Back Side at 0 mm with Dual Display Cover Position #3 (360 degrees)

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
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SAR Test Setup Photo 19 – Front Side at 10 mm



SAR Test Setup Photo 20 – Front Side at 1 mm

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset	APPENDIX F: Page 13 of 26		



SAR Test Setup Photo 21 – Front Side at 0 mm



SAR Test Setup Photo 22 – Front Side at 0 mm with Dual Display Cover Position #1 (0 degrees)

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
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SAR Test Setup Photo 23 – Front Side at 0 mm with Dual Display Cover Position #2 (180 degrees)

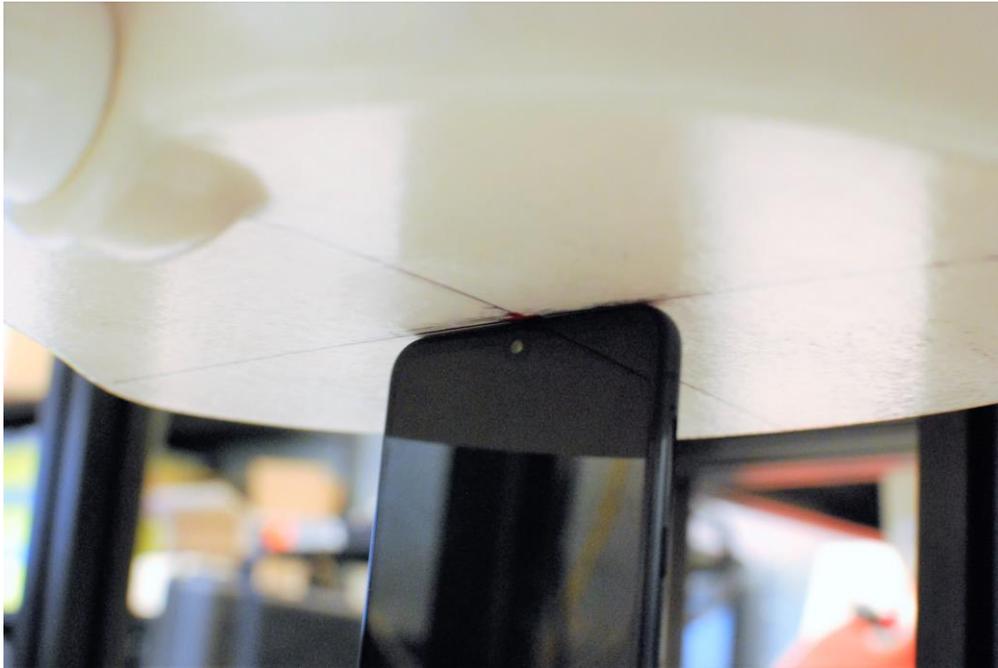


SAR Test Setup Photo 24 – Front Side at 0 mm with Dual Display Cover Position #3 (360 degrees)

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset			APPENDIX F: Page 15 of 26

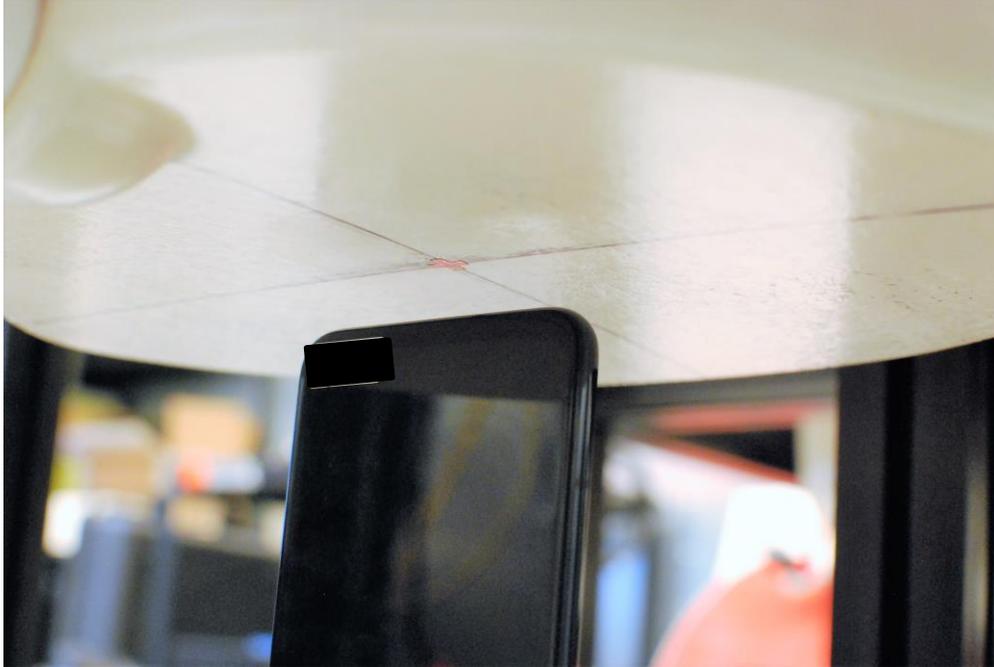


SAR Test Setup Photo 25 – Top Side at 10 mm



SAR Test Setup Photo 26 – Top Side at 0 mm

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset			APPENDIX F: Page 16 of 26



SAR Test Setup Photo 27 – Bottom Side at 10 mm



SAR Test Setup Photo 28 – Bottom Side at 10 mm with Dual Display Cover Position #1 (0 degrees)

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
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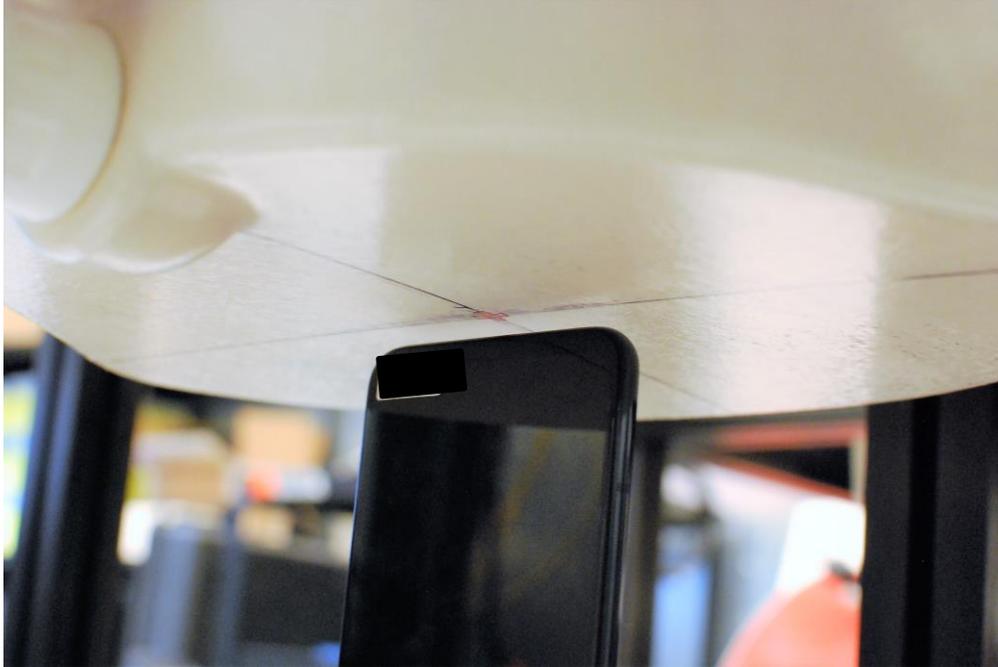


SAR Test Setup Photo 29 – Bottom Side at 10 mm with Dual Display Cover Position #2 (180 degrees)

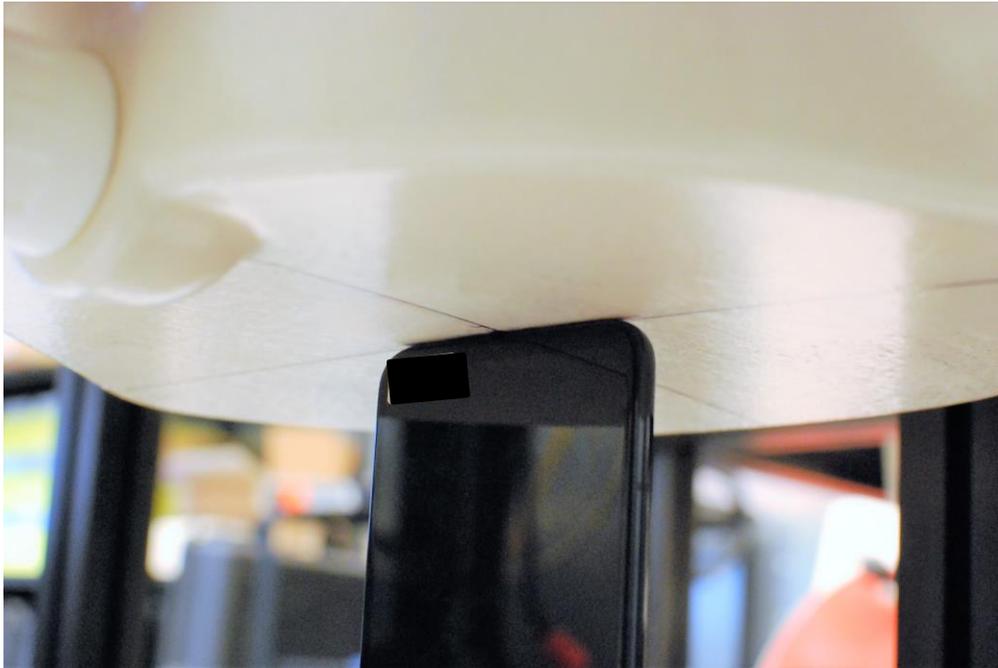


SAR Test Setup Photo 30 – Bottom Side at 10 mm with Dual Display Cover Position #3 (360 degrees)

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset	APPENDIX F: Page 18 of 26		

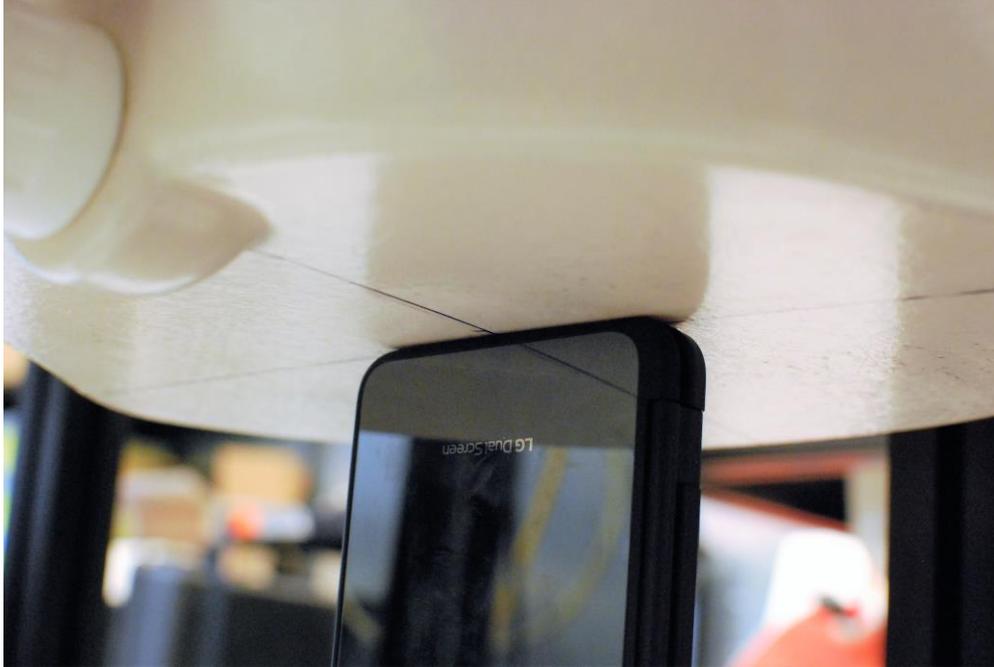


SAR Test Setup Photo 31 – Bottom Side at 3 mm

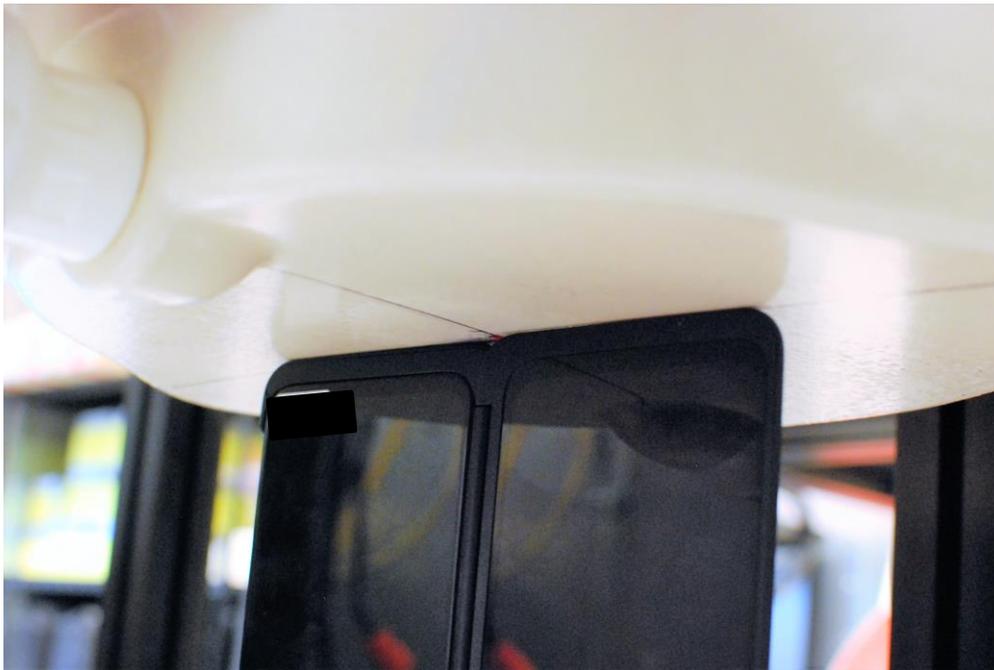


SAR Test Setup Photo 32 – Bottom Side at 0 mm

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset			APPENDIX F: Page 19 of 26



SAR Test Setup Photo 33 – Bottom Side at 0 mm with Dual Display Cover Position #1 (0 degrees)

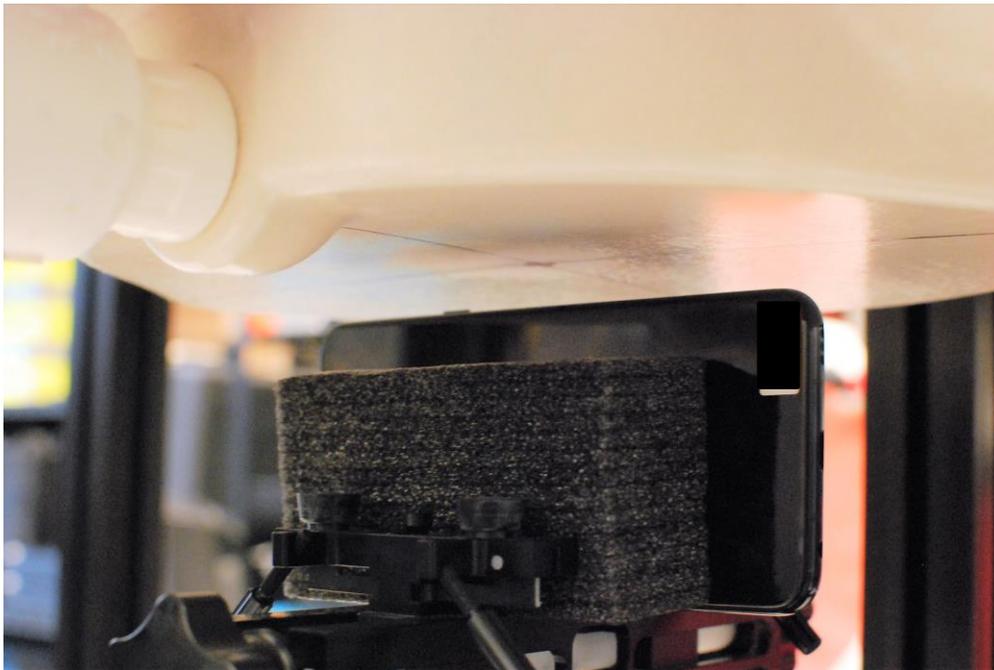


SAR Test Setup Photo 34 – Bottom Side at 0 mm with Dual Display Cover Position #2 (180 degrees)

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset			APPENDIX F: Page 20 of 26



SAR Test Setup Photo 35 – Bottom Side at 0 mm with Dual Display Cover Position #3 (360 degrees)



SAR Test Setup Photo 36 – Right Side at 10 mm

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
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SAR Test Setup Photo 37 – Right Side at 10 mm with Dual Display Cover Position #1 (0 degrees)

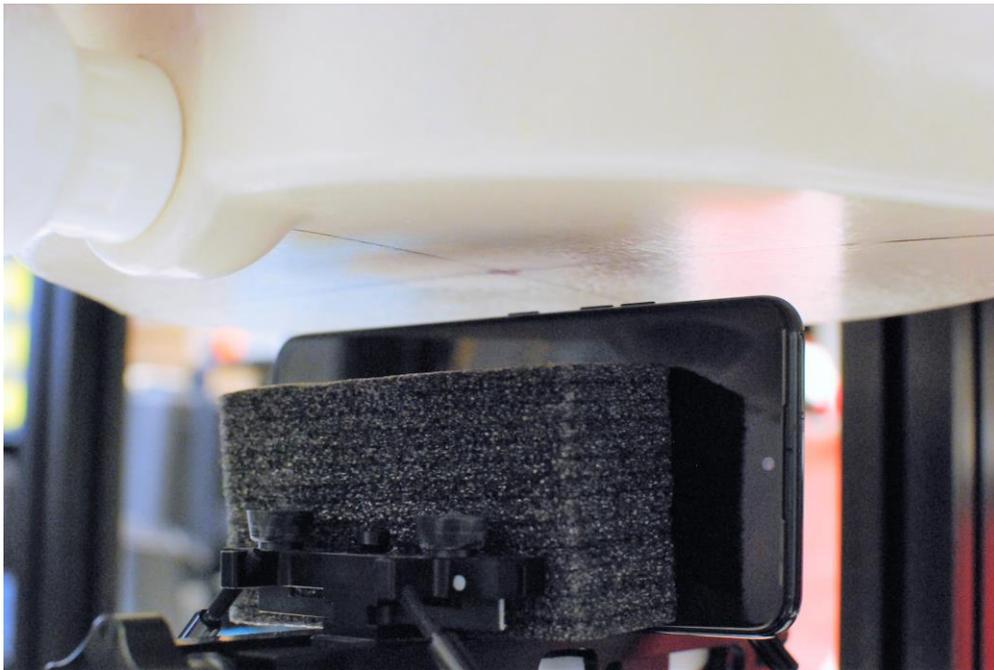


SAR Test Setup Photo 38 – Right Side at 10 mm with Dual Display Cover Position #3 (360 degrees)

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
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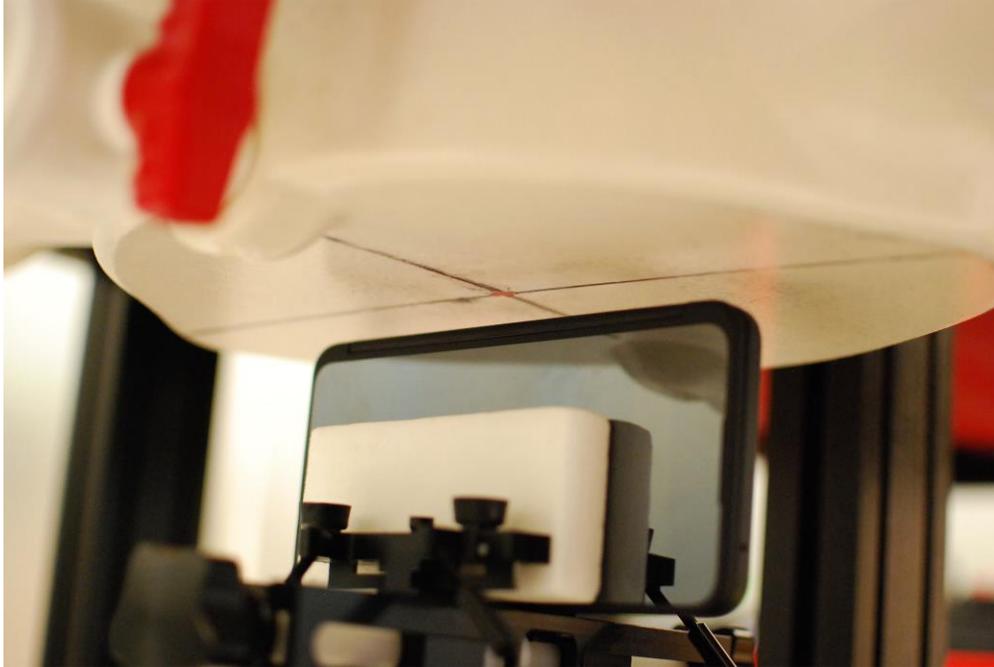


SAR Test Setup Photo 39 – Right Side at 0 mm



SAR Test Setup Photo 40 – Left Side at 10 mm

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 08/21/19 – 09/12/19	DUT Type: Portable Handset			APPENDIX F: Page 23 of 26



SAR Test Setup Photo 41 – Left Side at 10 mm with Dual Display Cover Position #1 (0 degrees)



SAR Test Setup Photo 42 – Left Side at 10 mm with Dual Display Cover Position #3 (360 degrees)

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
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SAR Test Setup Photo 43 – Left Side at 0 mm

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
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Horizontal Reference Line

Vertical Reference Line

SAR Test Setup Photo 44 – Horizontal and Vertical Reference Lines

FCC ID: ZNFG850UM		SAR EVALUATION REPORT		Approved by: Quality Manager
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