

APPENDIX E: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS

FCC ID: ZNFG900UM	 Proud to be part of element	SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 1 of 23

Rear VIEW

Dimensions:

- Width: 74.17 mm
- Height: 167.18 mm
- Diagonal: 178.76 mm

Numbered Features:

- 1: Bottom-left corner (blue)
- 2: Bottom-right corner (blue)
- 3: Left side, lower (blue)
- 4: Top-left corner (grey)
- 5: Top-right corner (green)
- 6: Right side, upper (green)
- 7: Top edge, center (grey)
- 8: Right side, middle (grey)
- 9: Left side, upper (blue)
- 10: Right side, lower (grey)

Orientation Labels:

- TOP
- BOTTOM
- RIGHT
- LEFT

1. Main Band Antenna I Tx/Rx
 1. CDMA/EVDO BC0
 2. GSM/GPRS/EDGE 850 MHz
 3. UMTS Band V
 4. LTE Band 71/12/17/13/14/5
 5. NR FR1 n71/n5
 6. LTE Band 29 Rx Only
 7. NR FR1 n41 Rx only
 8. Inter-band ULCA B5/B12
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 66/4/25/2/30/7/41
 5. NR FR1 n66/n2/n25 Rx only
 6. Inter-band ULCA B66/2 (PCC & SCC)
when CA_12A-66A, CA_2A-12A,
CA_2A-5A, CA_5A-66A ULCA Active
3. Main Band Antenna III Tx/Rx
 1. LTE Band 66/4/25/2 Rx only
 2. NR FR1 n66/n2/n25
 3. Inter-band ULCA 66/2 (SCC)
when CA_2A-66A ULCA Active
4. Sub Band Antenna I Rx Only
 1. CDMA/EVDO BC0/BC1
 2. GSM/GPRS/EDGE 850/1900 MHz
 3. UMTS Band II/IV/V
 4. LTE Band 71/12/17/13/14/5/66/4/25/2/30/7/41/29
 5. NR FR1 n71/n5/n66/n2/n25/n41
5. Wi-Fi Band Antenna II Tx/Rx
 1. 2.4 GHz Wi-Fi
 2. 5 GHz Wi-Fi
 3. GNSS
 4. LTE Band 46 2nd Rx only
6. Wi-Fi Band Antenna I Tx/Rx
 1. 2.4 GHz Wi-Fi
 2. 5 GHz Wi-Fi
 3. 2.4 GHz Bluetooth
 4. LTE Band 46 Rx only
7. Sub Band Antenna II Rx Only
 1. LTE Band 66/4/25/2/7
 2. NR FR1 n66/n2/n25/n41
8. Sub Band Antenna III Rx Only
 1. Non-US
9. Sub Band Antenna IV Tx/Rx Only
 1. NR FR1 n41
 2. LTE Band 7 Rx Only
10. Sub Band Antenna V Rx Only
 1. Non-US



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Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset	APPENDIX E: Page 2 of 23		

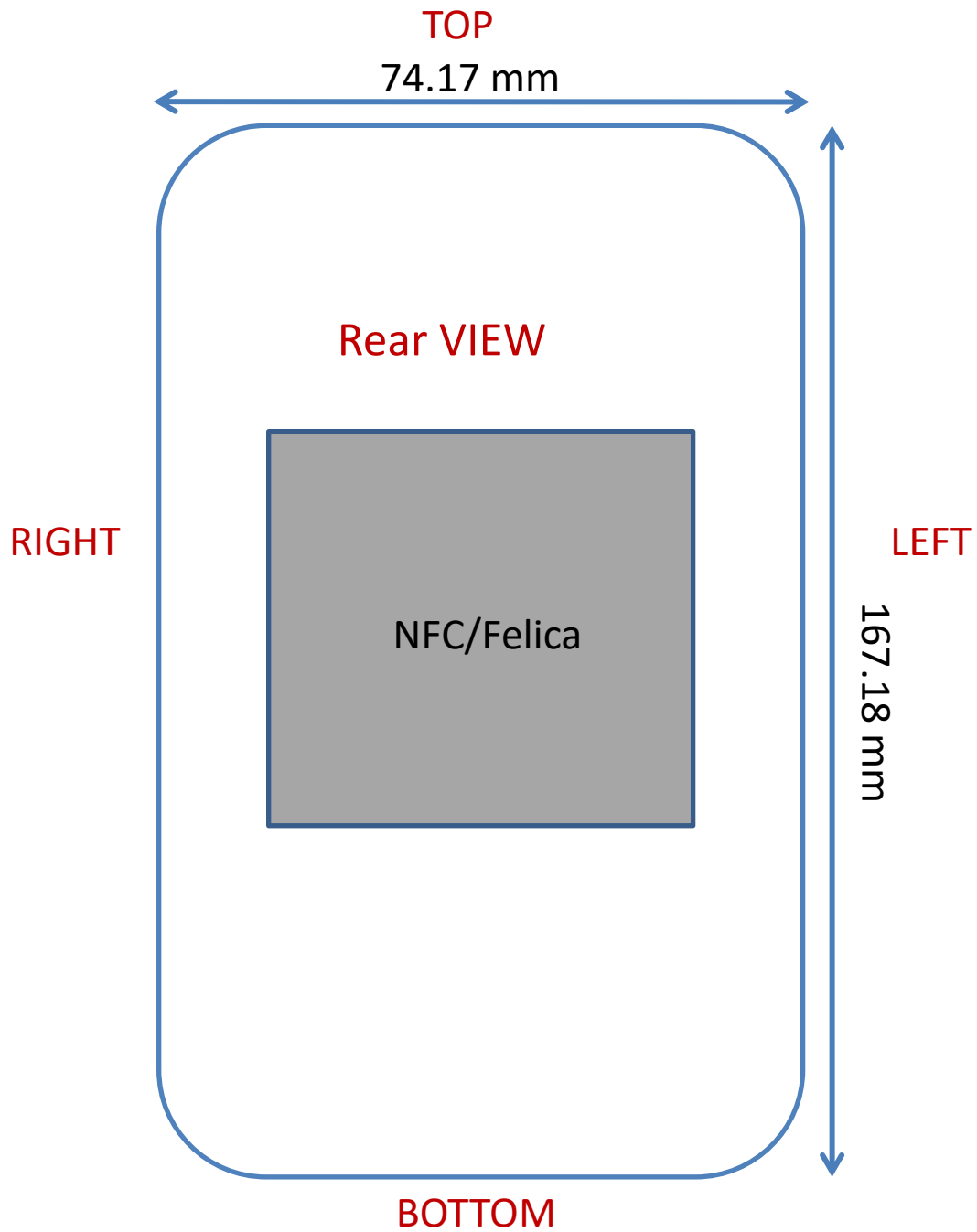
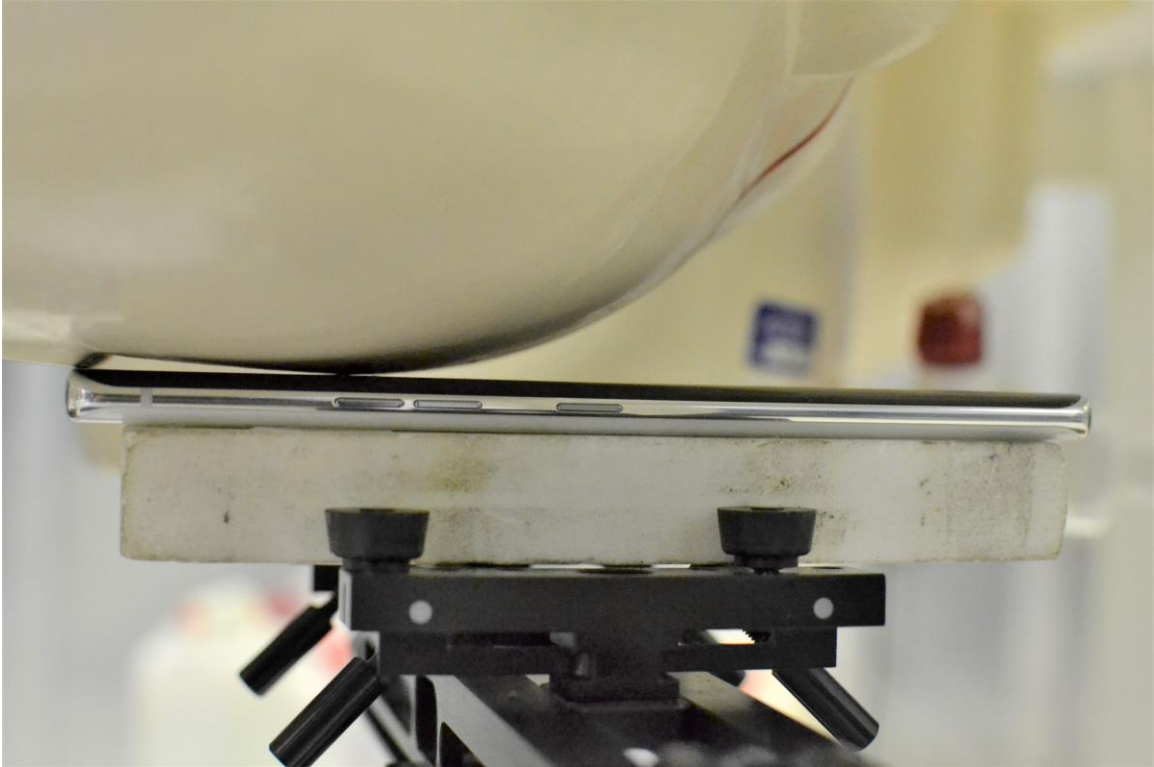
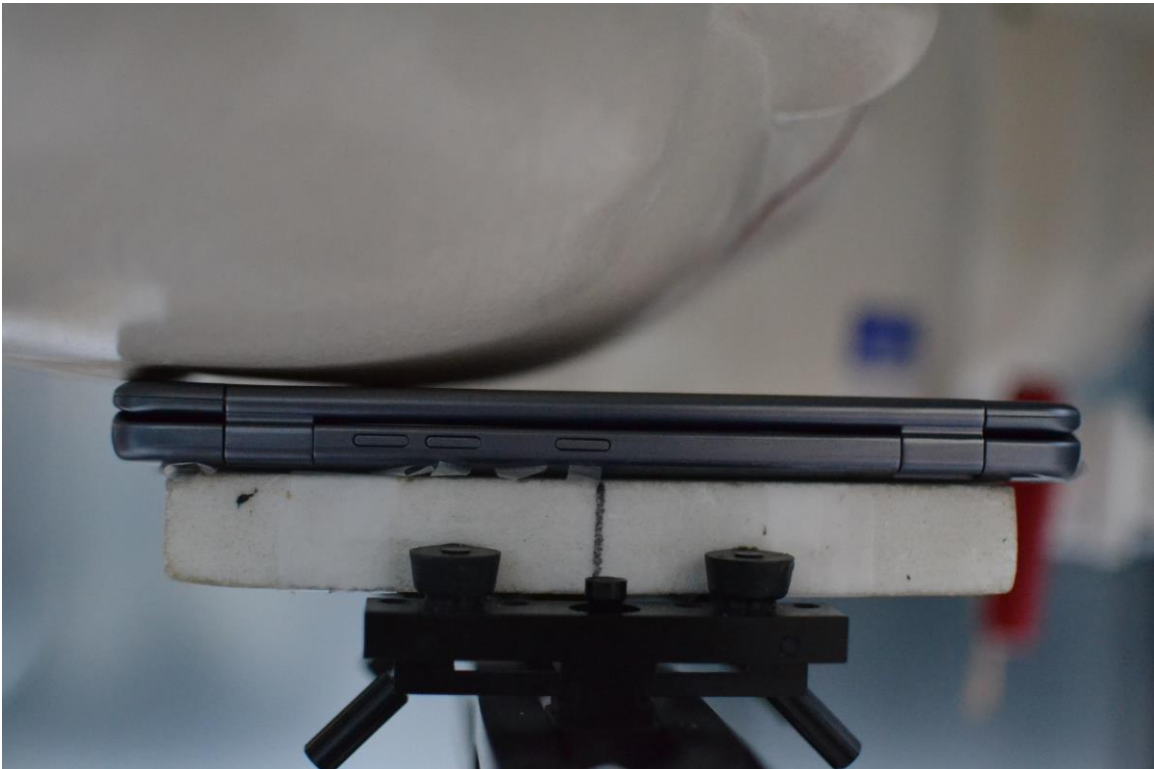


Figure E-2
NFC/Felica Antenna Location

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Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 3 of 23

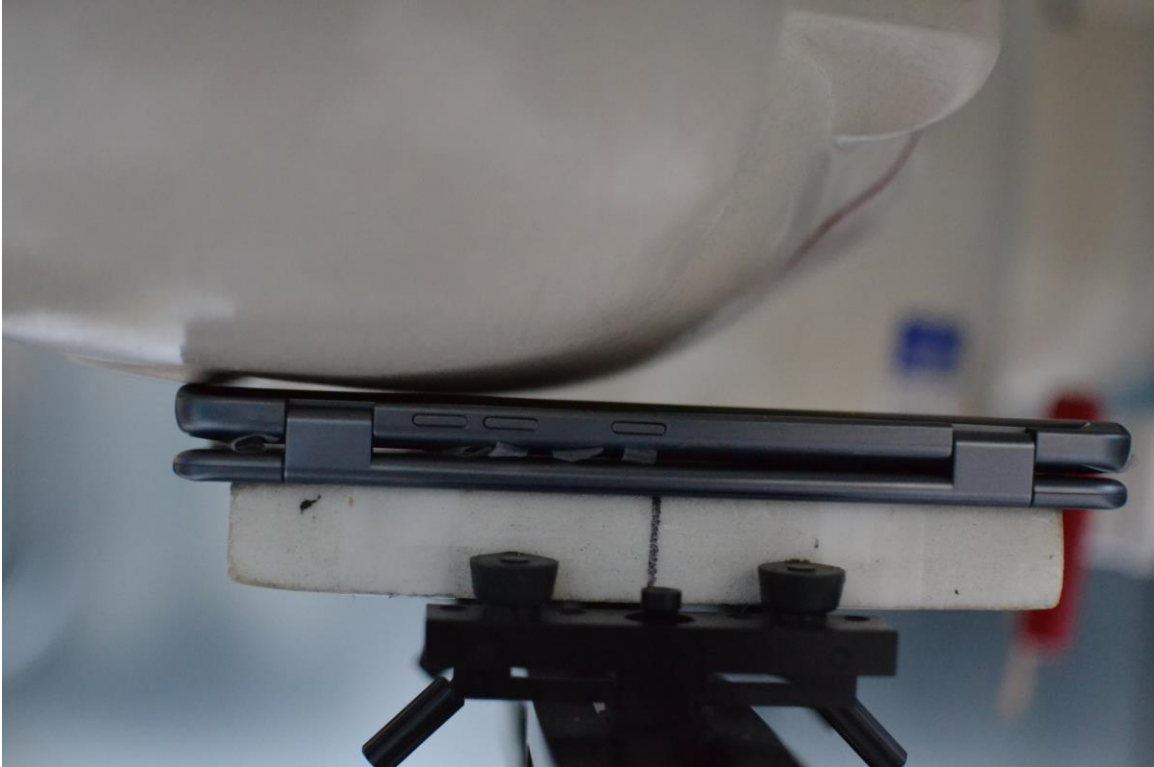


SAR Test Setup Photo 1 – Right Cheek

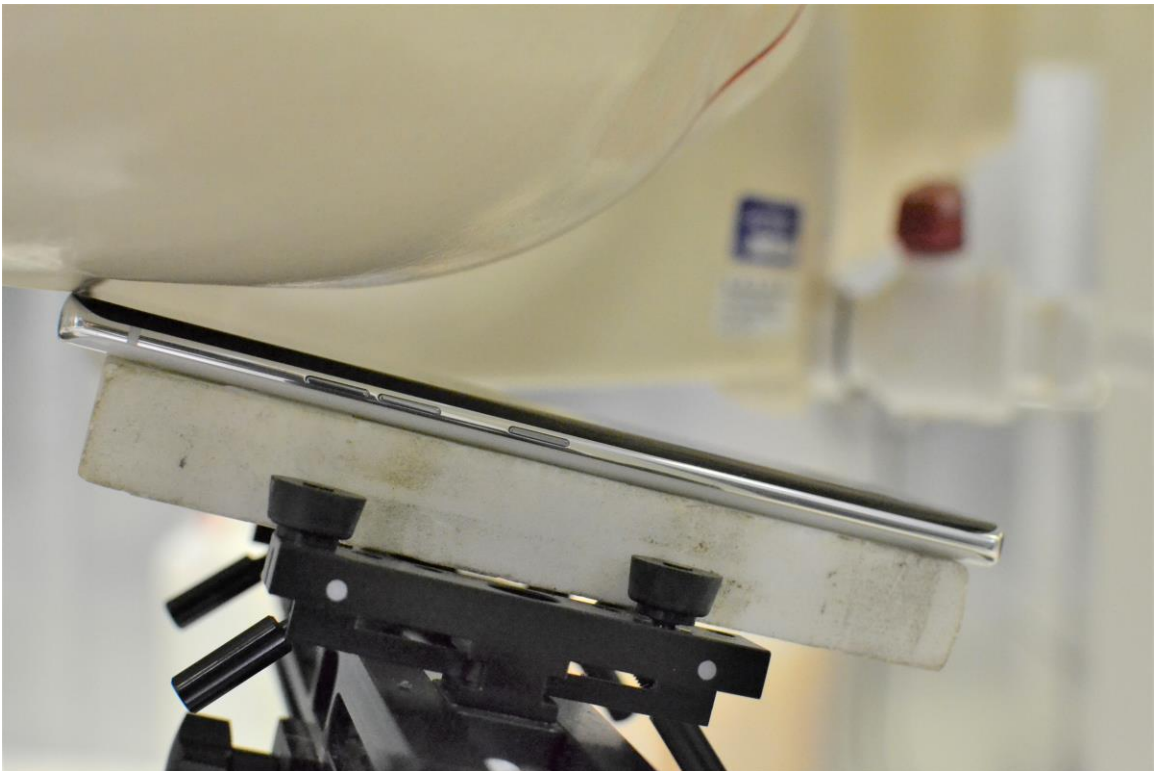


SAR Test Setup Photo 2 – Right Cheek with Dual Display Accessory Position #1

FCC ID: ZNFG900UM	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	 LG	Approved by: Quality Manager
Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 4 of 23

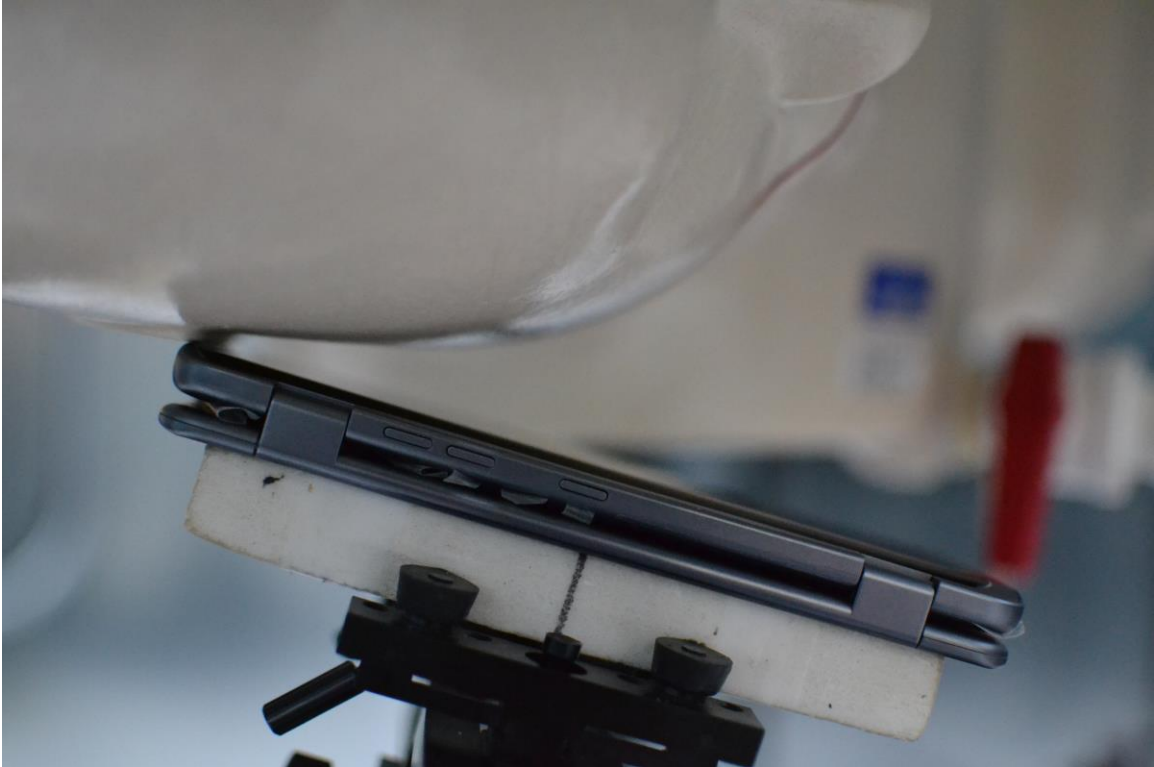


SAR Test Setup Photo 3 – Right Cheek with Dual Display Accessory Position #3

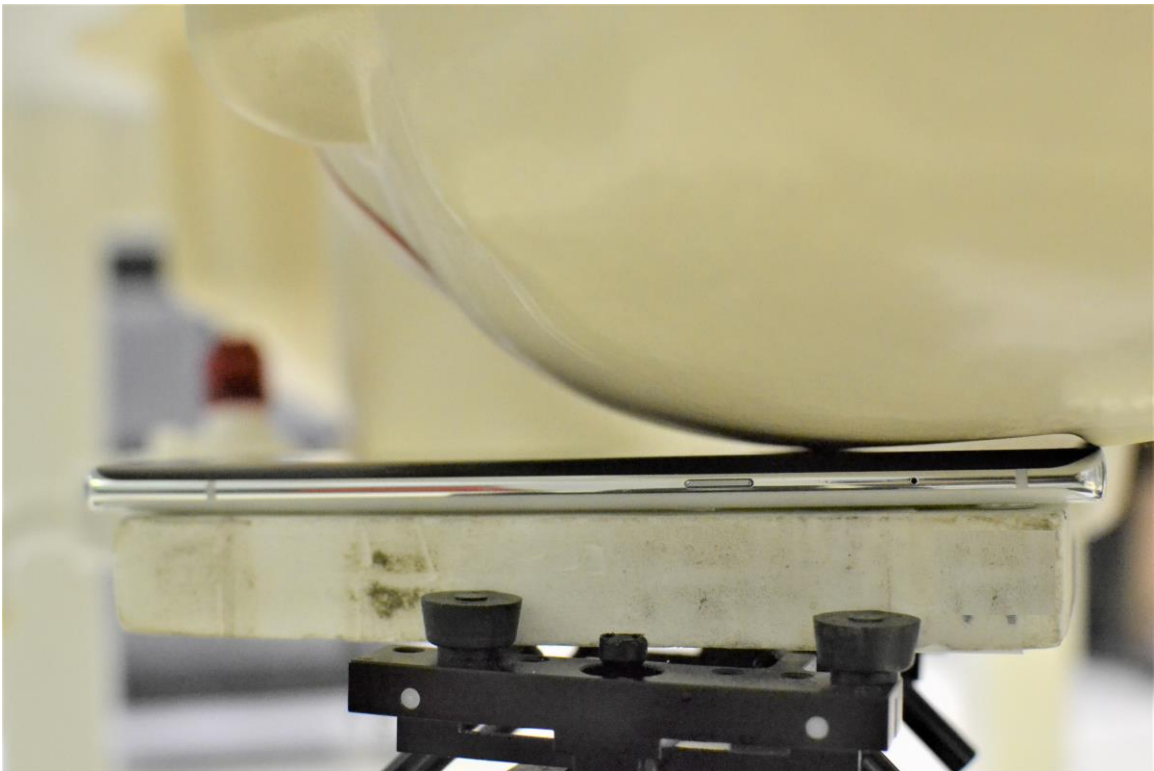


SAR Test Setup Photo 4 – Right Tilt

FCC ID: ZNFG900UM	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	 LG	Approved by: Quality Manager
Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 5 of 23



SAR Test Setup Photo 5 – Right Tilt with Dual Display Accessory Position #3

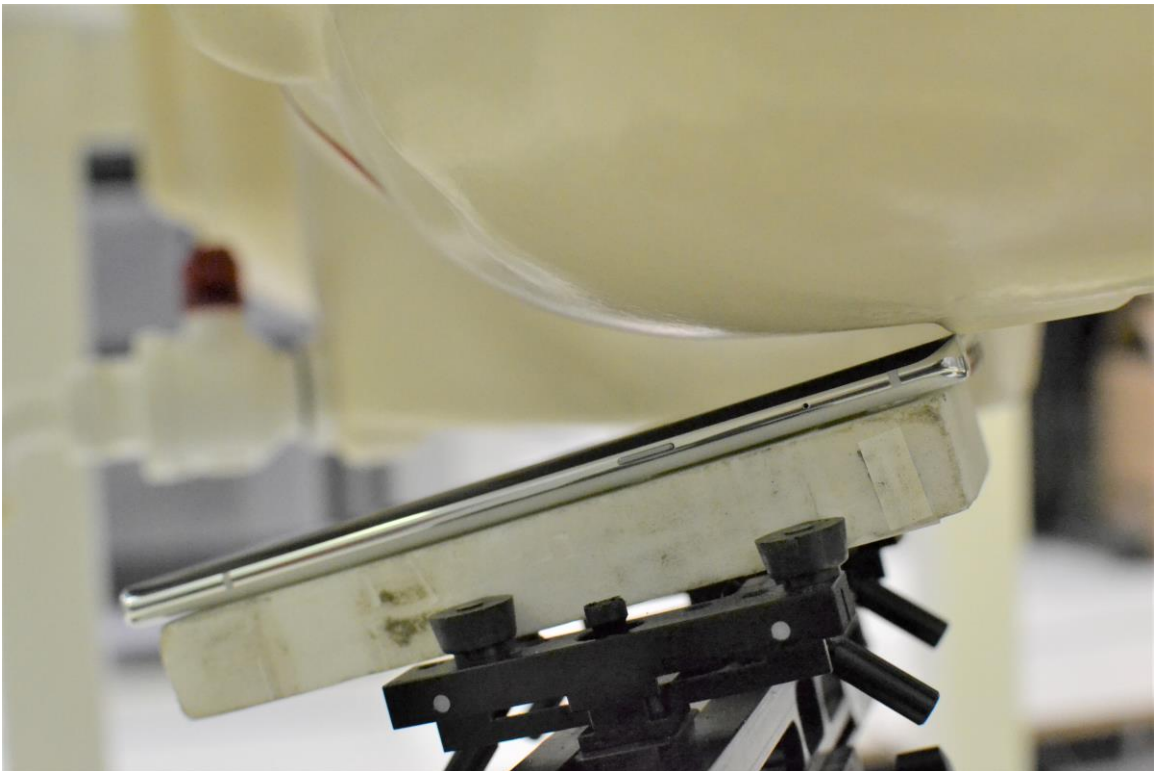


SAR Test Setup Photo 6 – Left Cheek

FCC ID: ZNFG900UM	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	 LG	Approved by: Quality Manager
Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 6 of 23



SAR Test Setup Photo 7 – Left Cheek with Dual Display Accessory Position #3

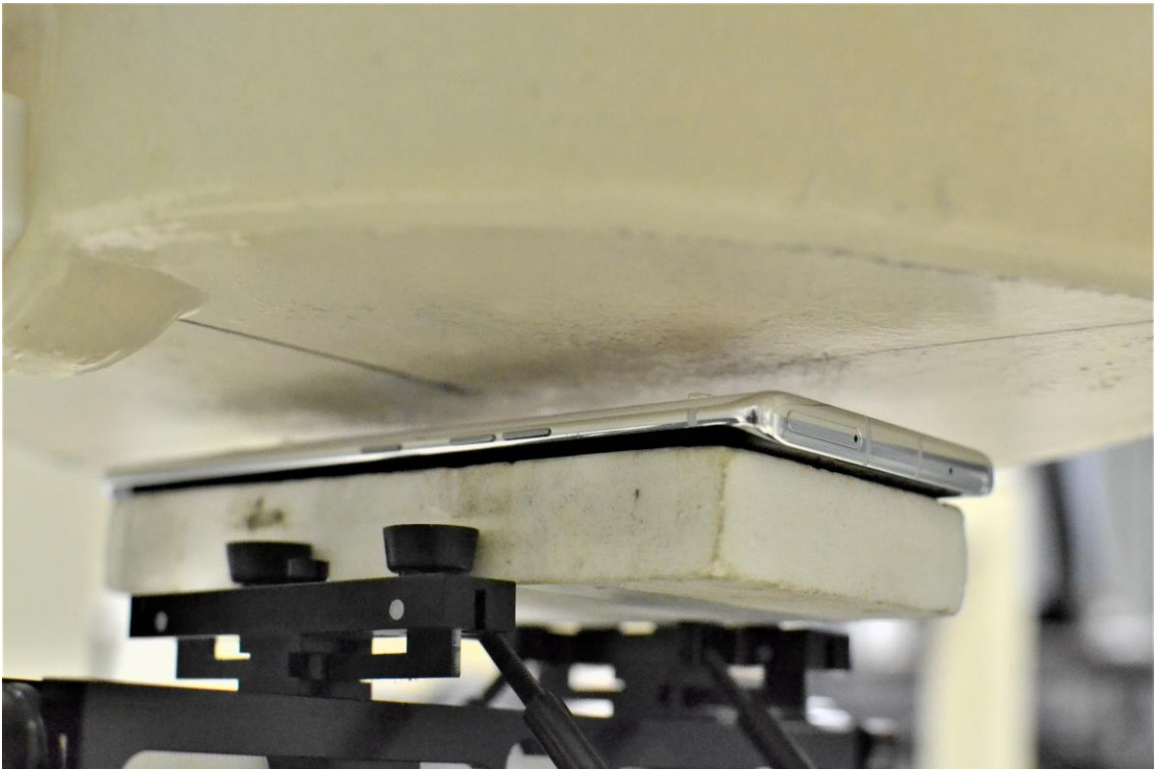


SAR Test Setup Photo 8 – Left Tilt

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Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 7 of 23

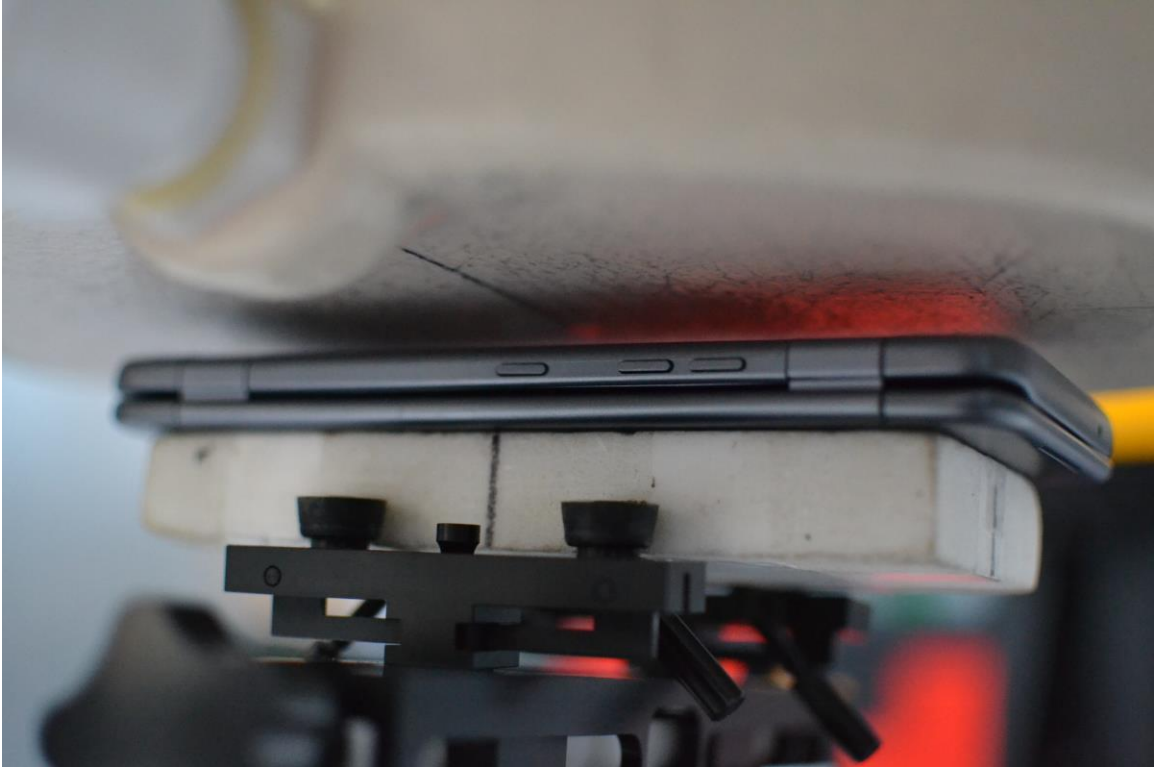


SAR Test Setup Photo 9 – Left Tilt with Dual Display Accessory Position #3

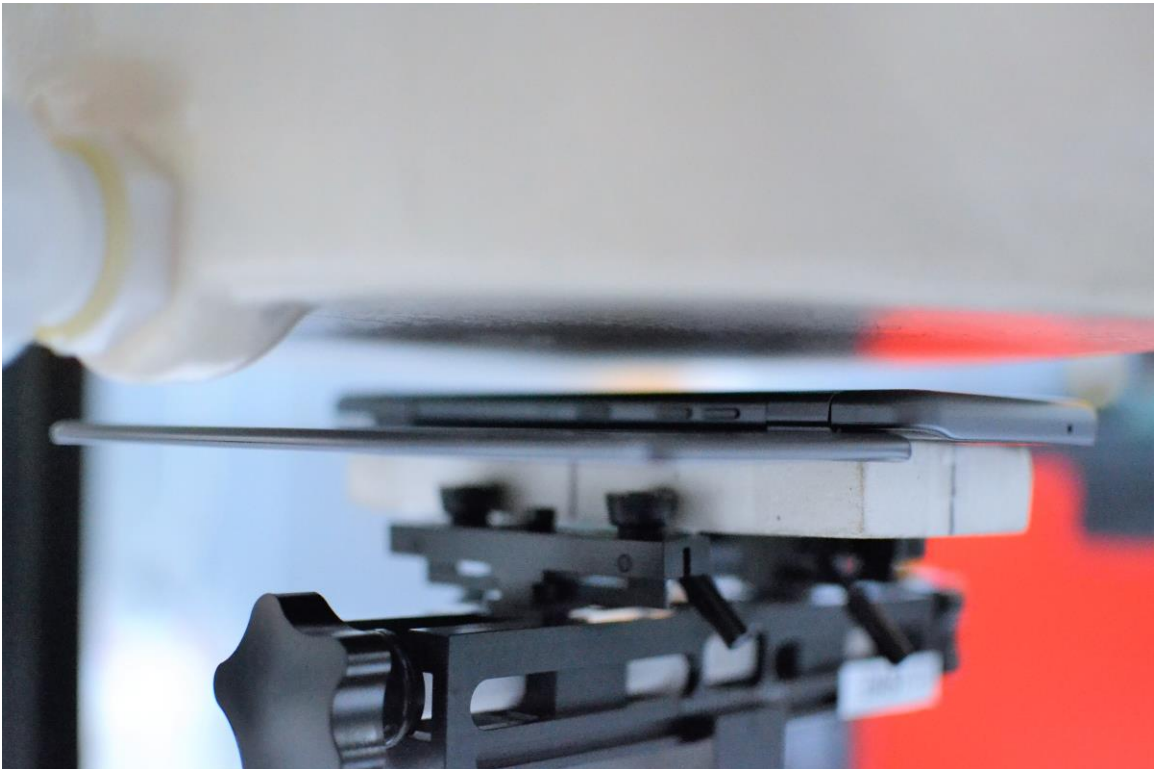


SAR Test Setup Photo 10 – Back Side at 10 mm

FCC ID: ZNFG900UM	 PCTEST Proud to be part of  element	SAR EVALUATION REPORT	 LG	Approved by: Quality Manager
Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 8 of 23



SAR Test Setup Photo 11 – Back Side with Dual Display Accessory Position #1 at 10 mm

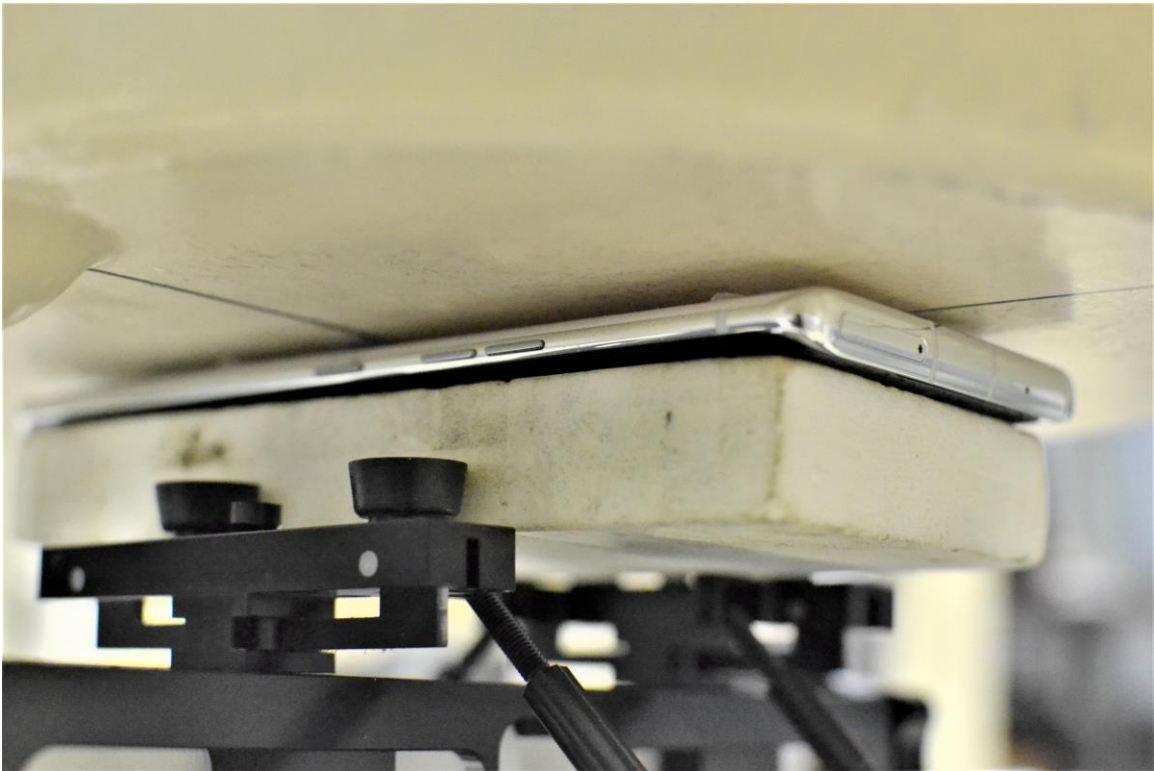


SAR Test Setup Photo 12 – Back Side with Dual Display Accessory Position #2 at 10 mm

FCC ID: ZNFG900UM	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	 LG	Approved by: Quality Manager
Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 9 of 23

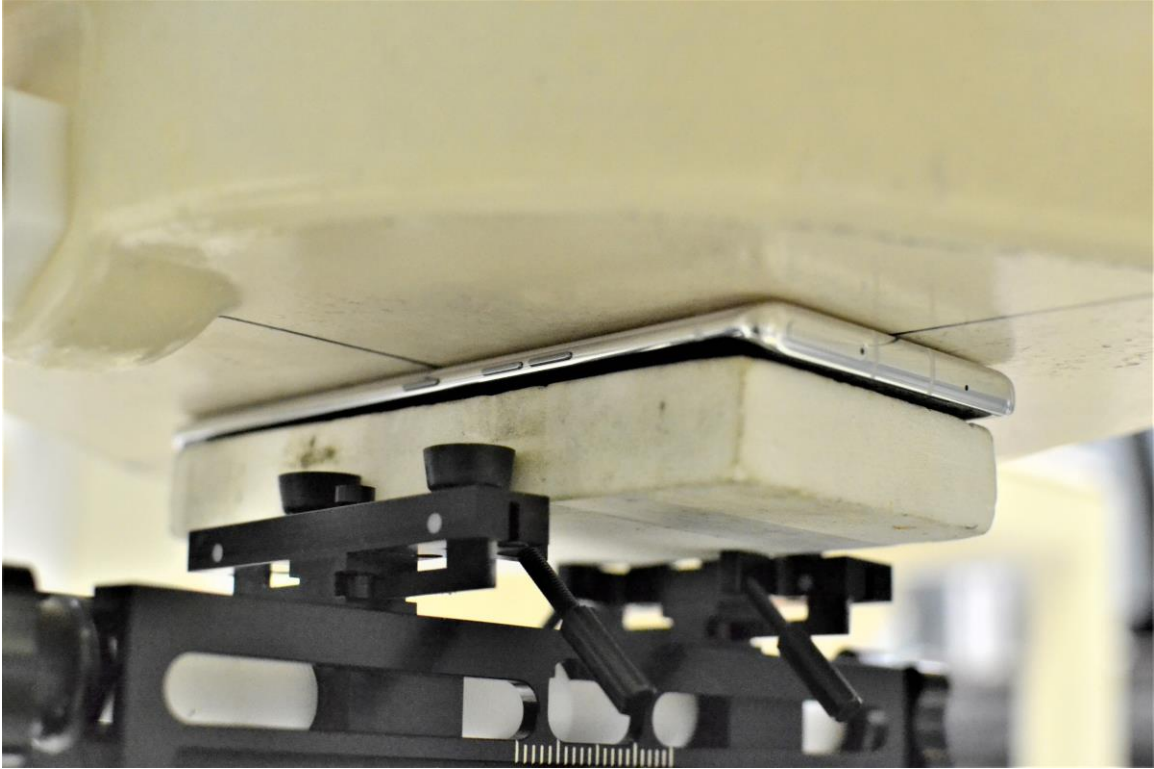


SAR Test Setup Photo 13 – Back Side with Dual Display Accessory Position #3 at 10 mm

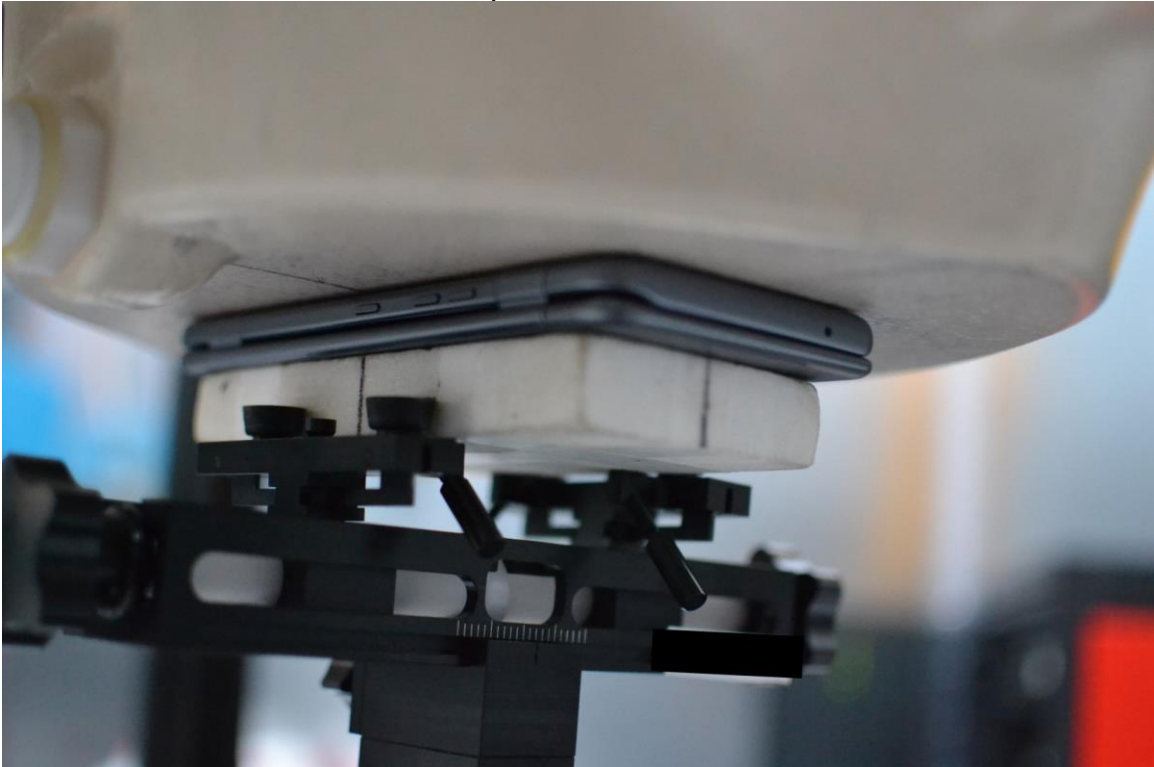


SAR Test Setup Photo 14 – Back Side at 2 mm

FCC ID: ZNFG900UM	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	 LG	Approved by: Quality Manager
Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 10 of 23

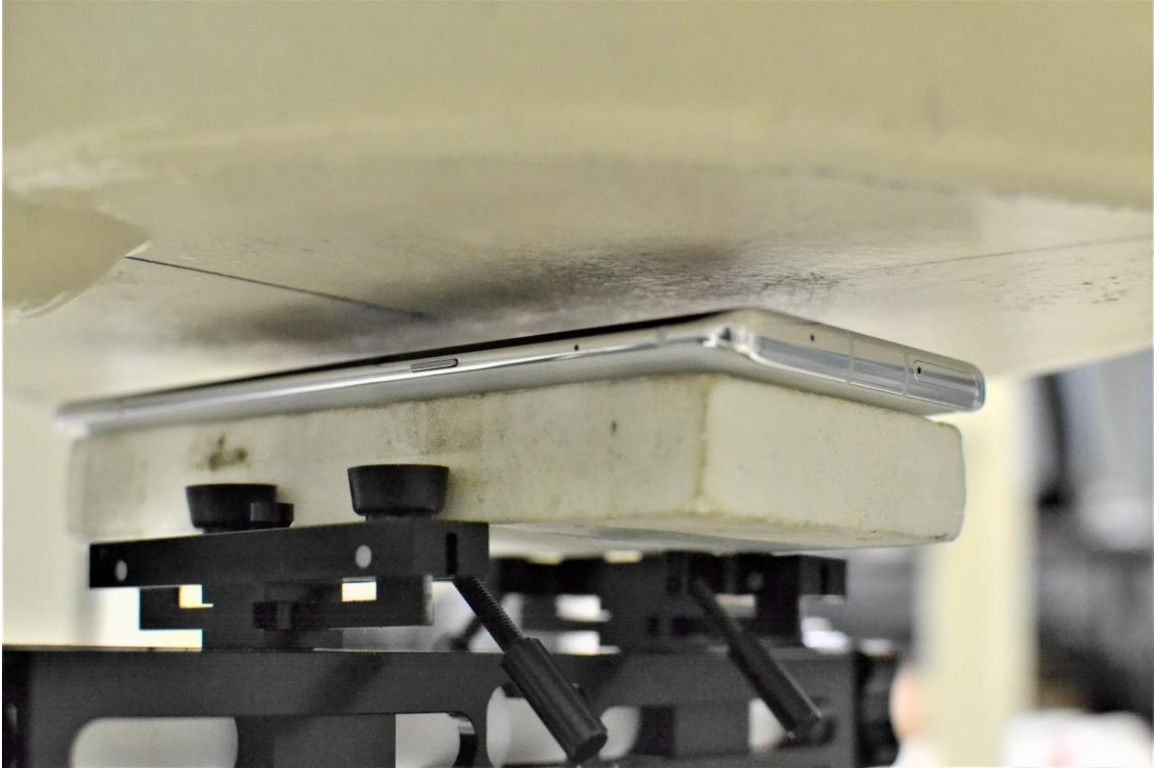


SAR Test Setup Photo 15 – Back Side at 0 mm

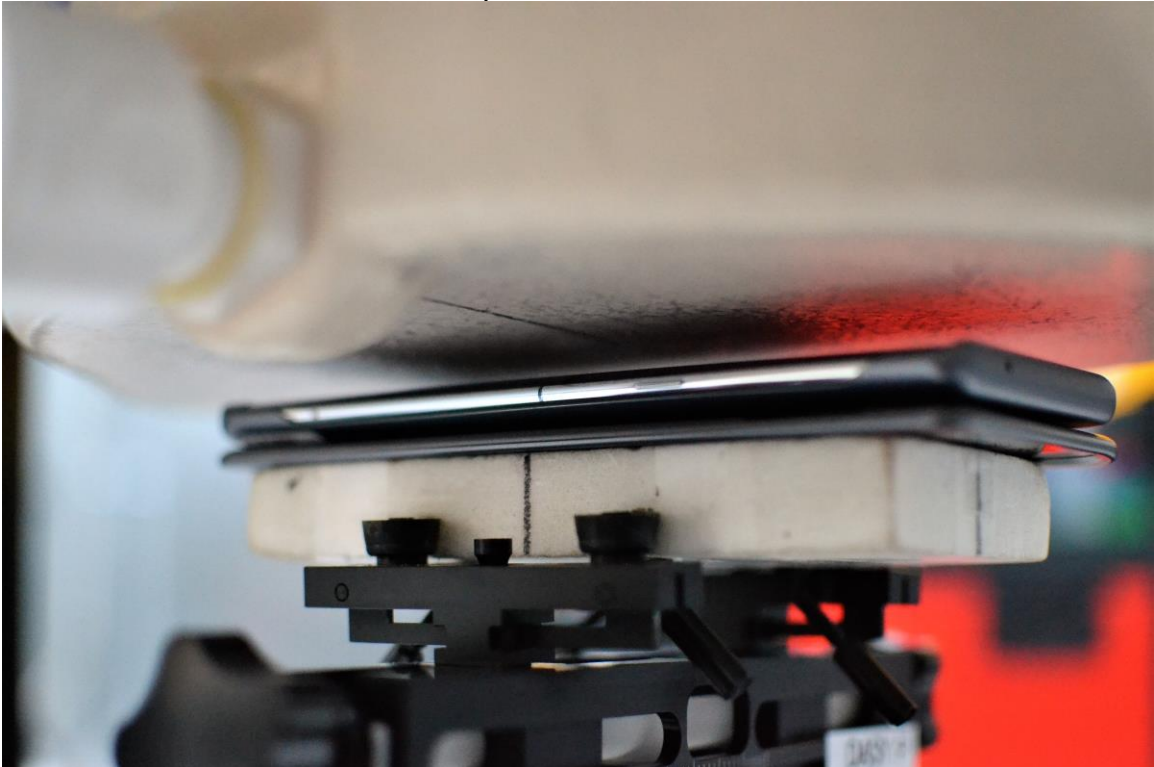


SAR Test Setup Photo 16 – Back Side with Dual Display Accessory Position #1 at 0 mm

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Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 11 of 23

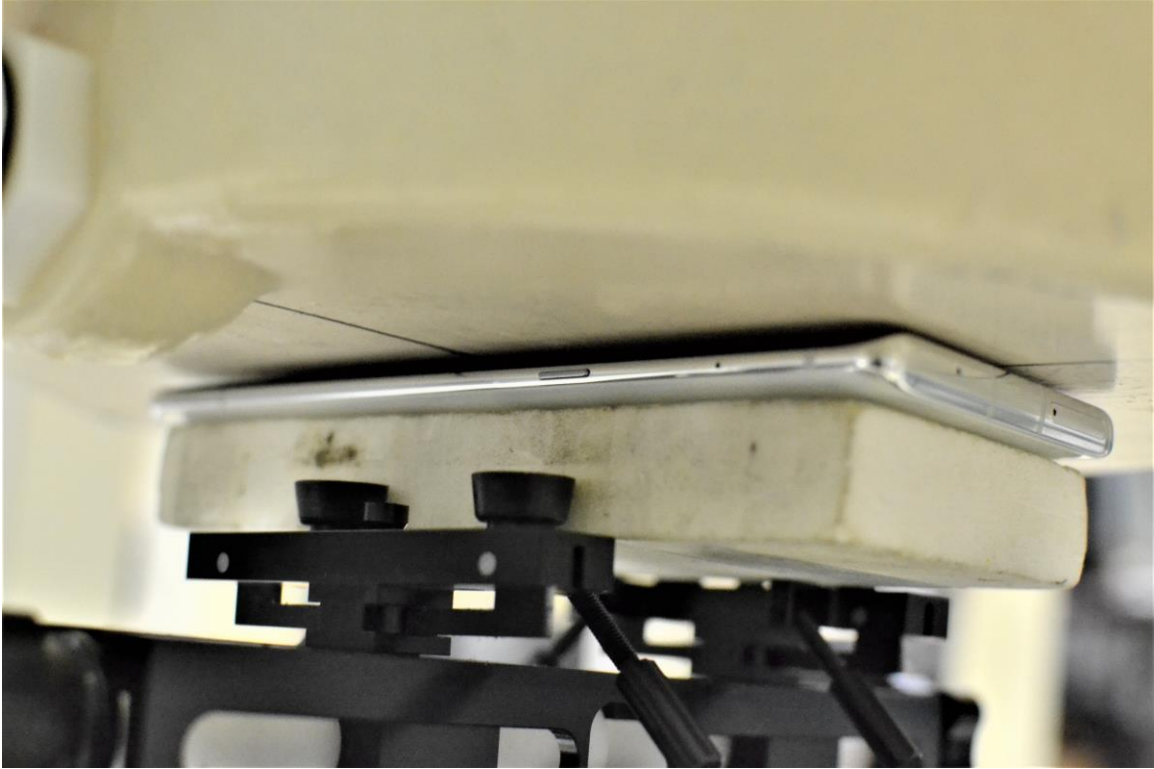


SAR Test Setup Photo 17 – Front Side at 10 mm



SAR Test Setup Photo 18 – Front Side with Dual Display Accessory Position #3 at 10 mm

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Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 12 of 23

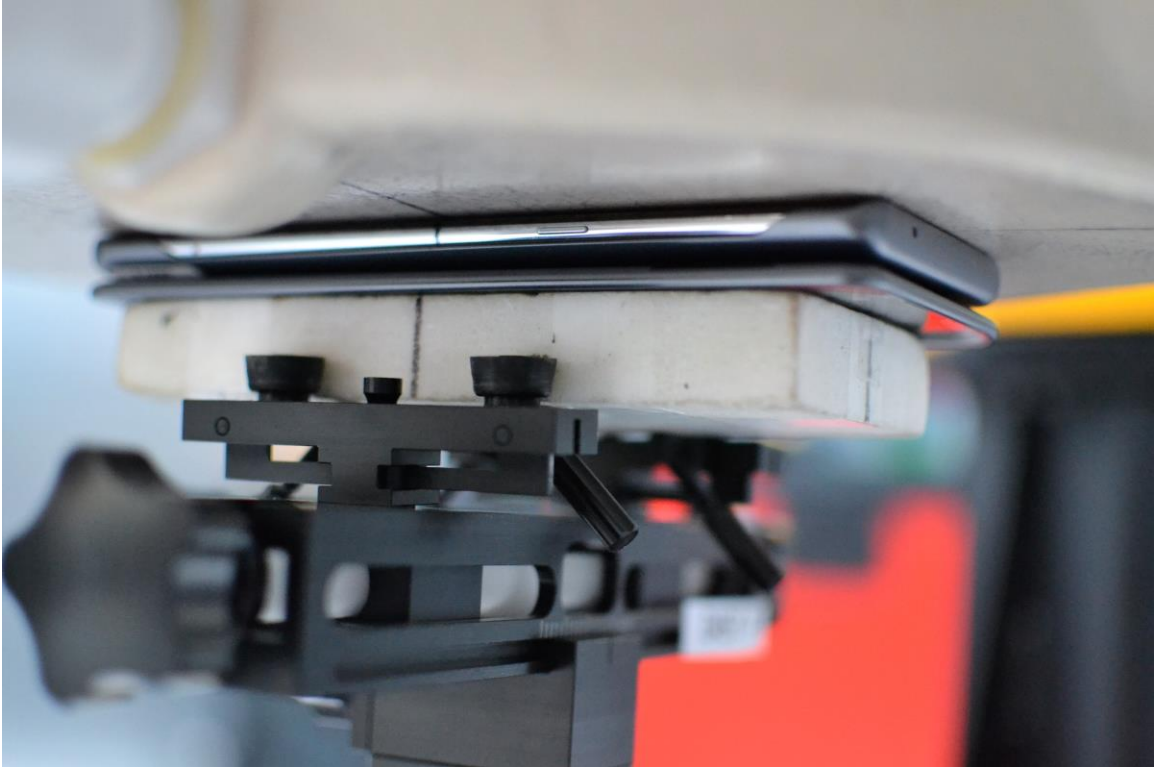


SAR Test Setup Photo 19 – Front Side at 1 mm

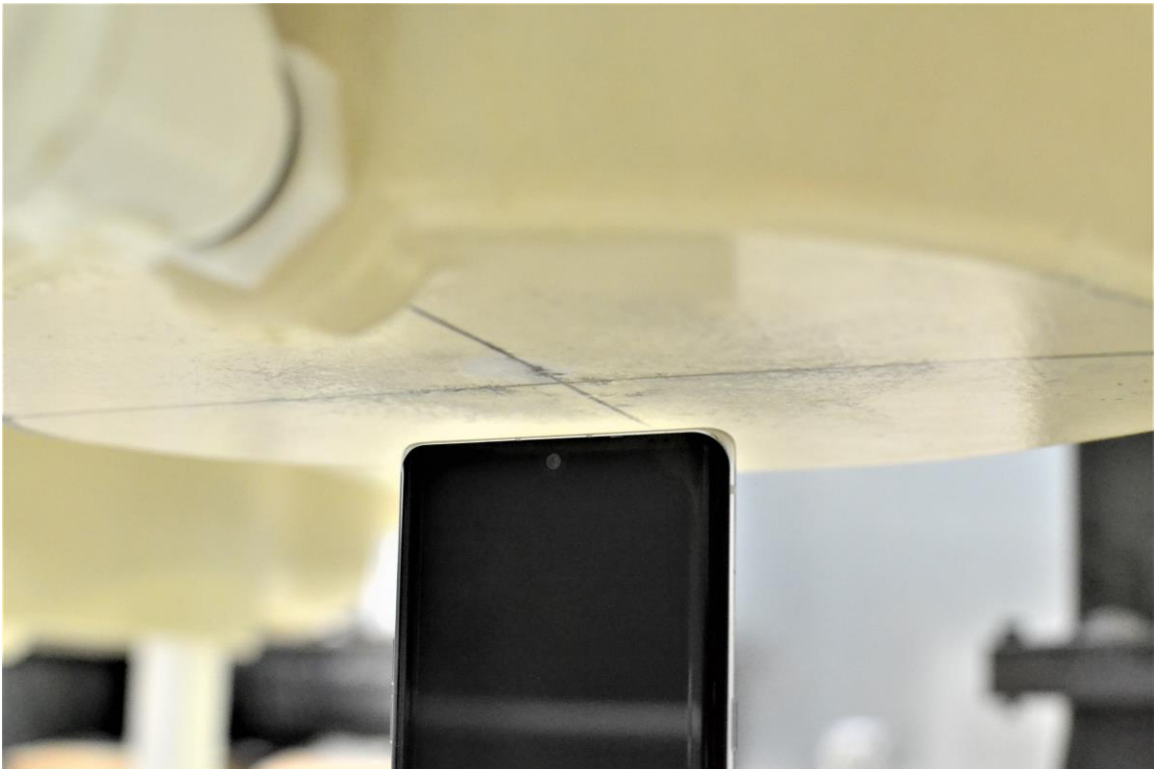


SAR Test Setup Photo 20 – Front Side at 0 mm

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Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 13 of 23



SAR Test Setup Photo 21 – Front Side with Dual Display Accessory Position #3 at 0 mm

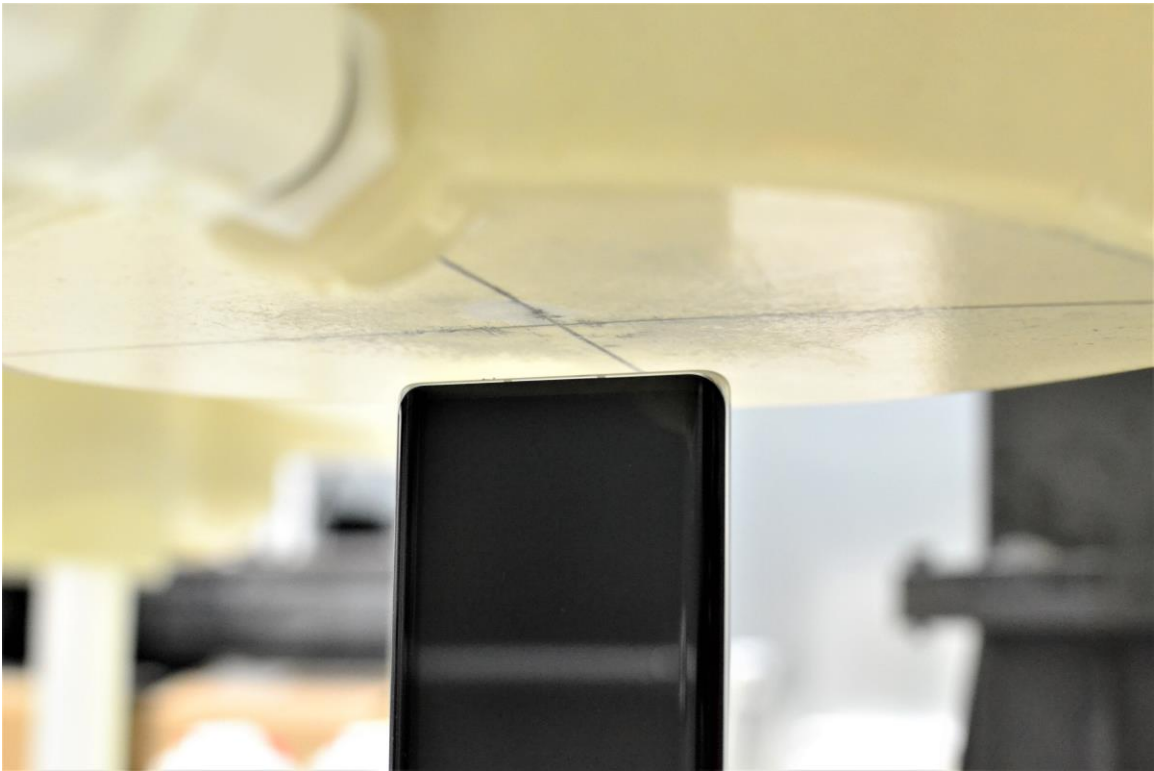


SAR Test Setup Photo 22 – Top Edge at 10 mm

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Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset		APPENDIX E: Page 14 of 23	



SAR Test Setup Photo 23 – Top Edge at 0 mm

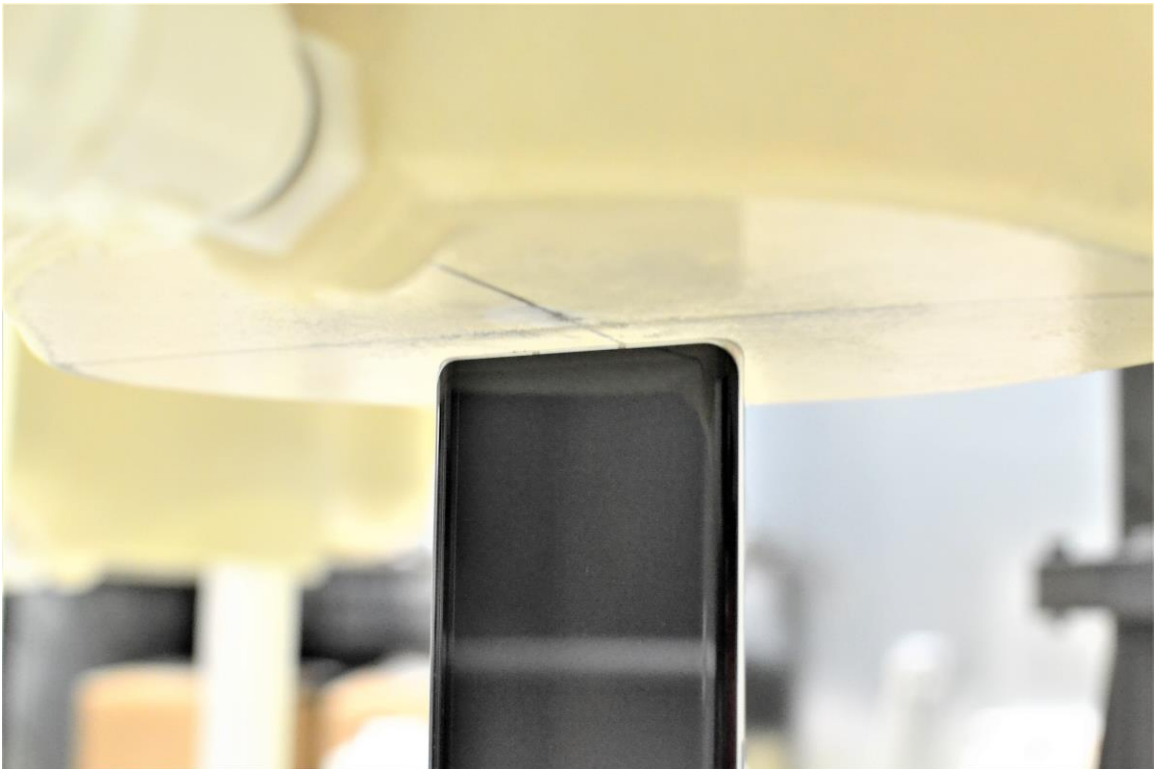


SAR Test Setup Photo 24 – Bottom Edge at 10 mm

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Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 15 of 23

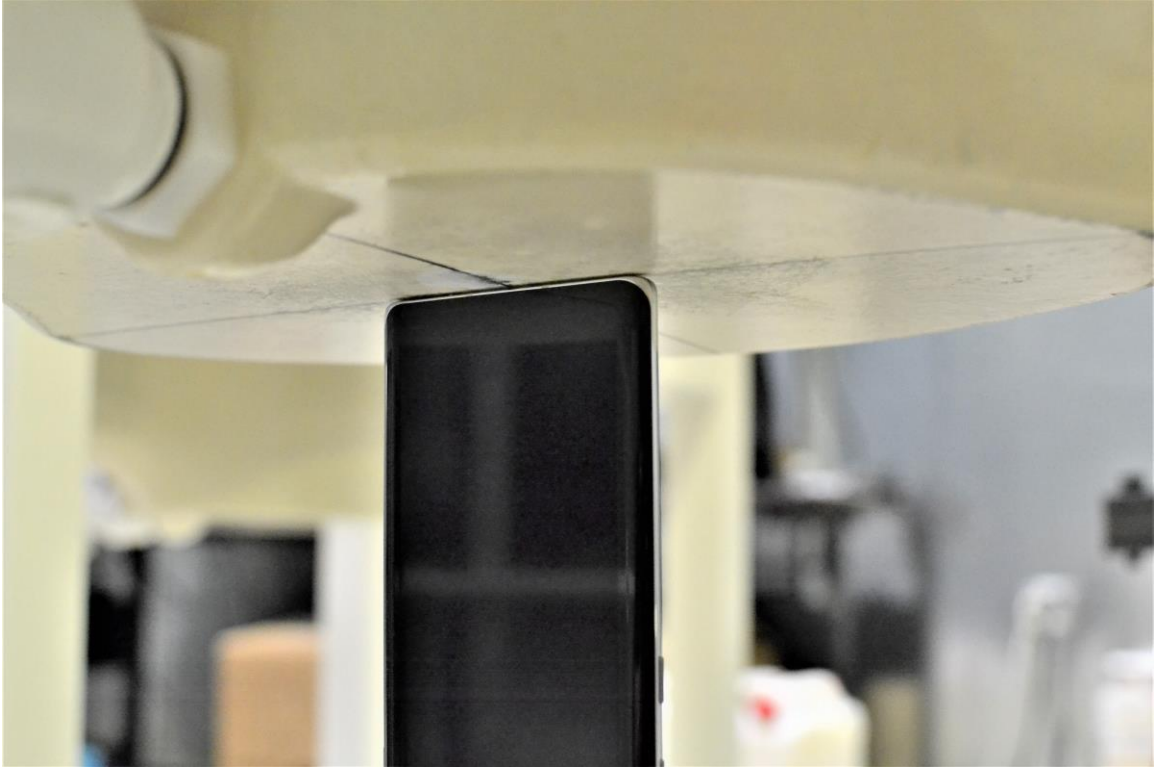


SAR Test Setup Photo 25 – Bottom Edge with Dual Display Accessory Position #1 at 10 mm



SAR Test Setup Photo 26 – Bottom Edge at 4 mm

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Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 16 of 23

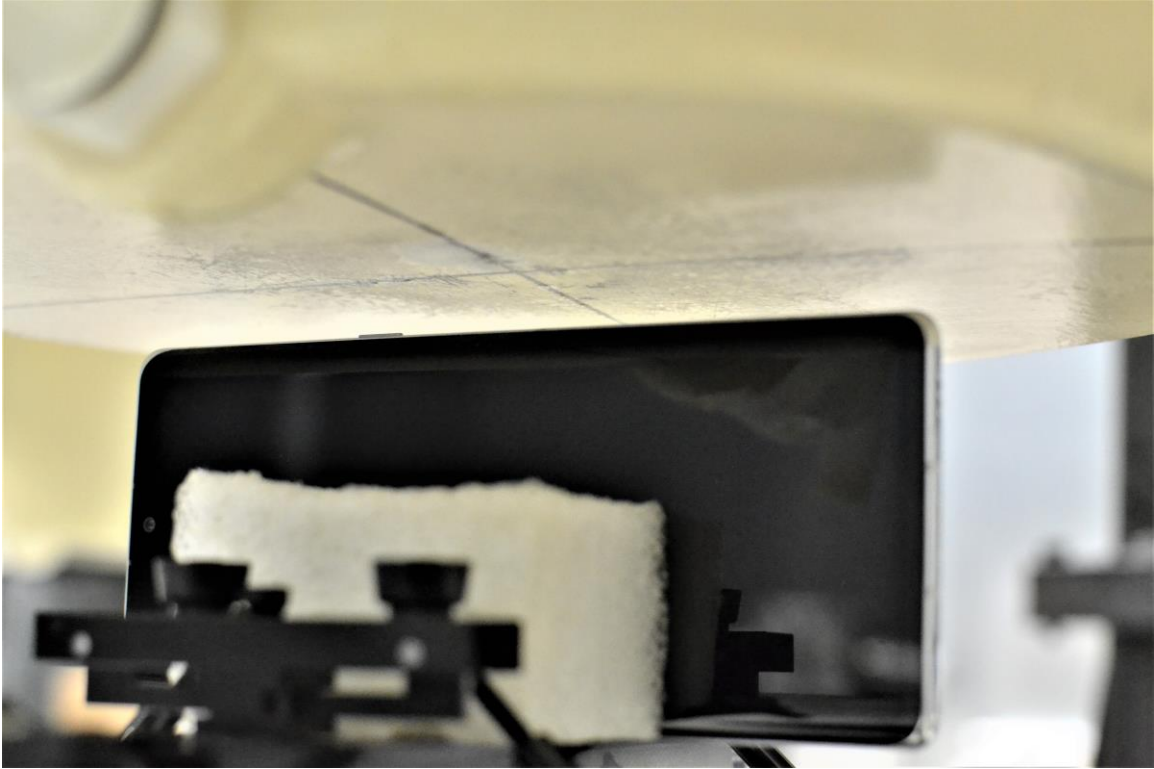


SAR Test Setup Photo 27 – Bottom Edge at 0 mm



SAR Test Setup Photo 28 – Bottom Edge with Dual Display Accessory Position #1 at 0 mm

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SAR Test Setup Photo 29 – Right Edge at 10 mm

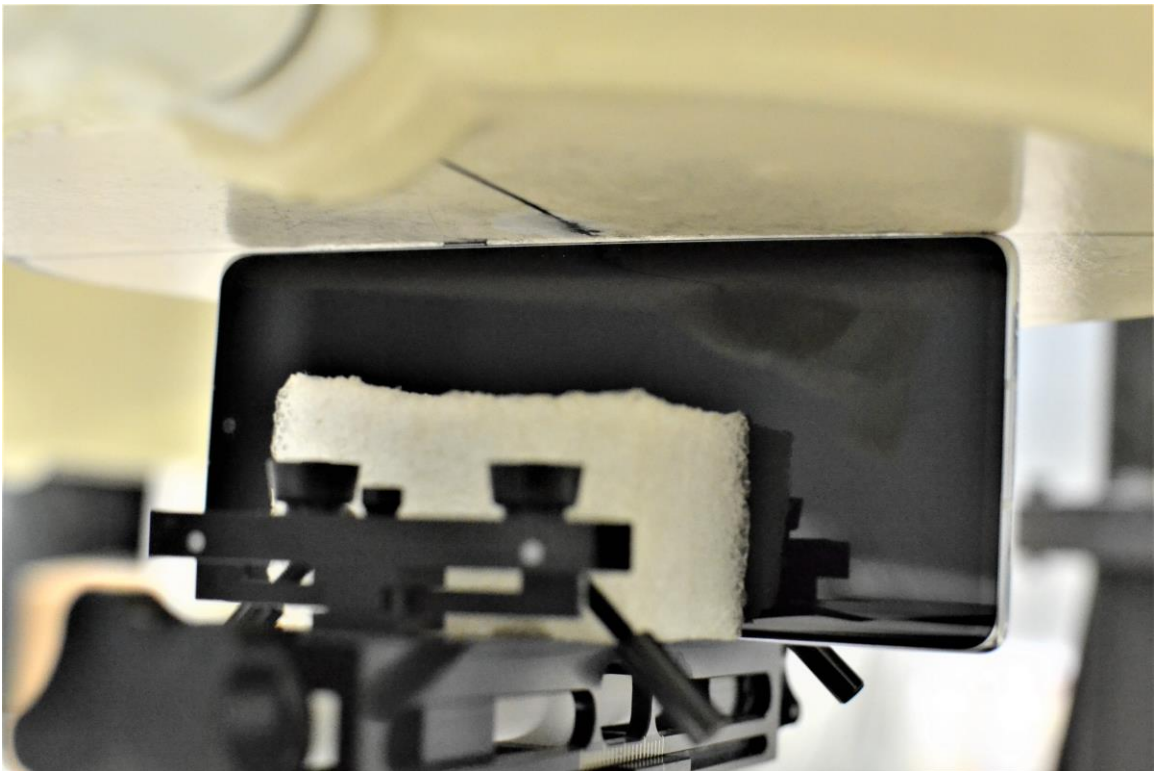


SAR Test Setup Photo 30 – Right Edge with Dual Display Accessory Position #1 at 10 mm

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Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 18 of 23



SAR Test Setup Photo 31 – Right Edge with Dual Display Accessory Position #3 at 10 mm



SAR Test Setup Photo 32 – Right Edge at 0 mm

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Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 19 of 23

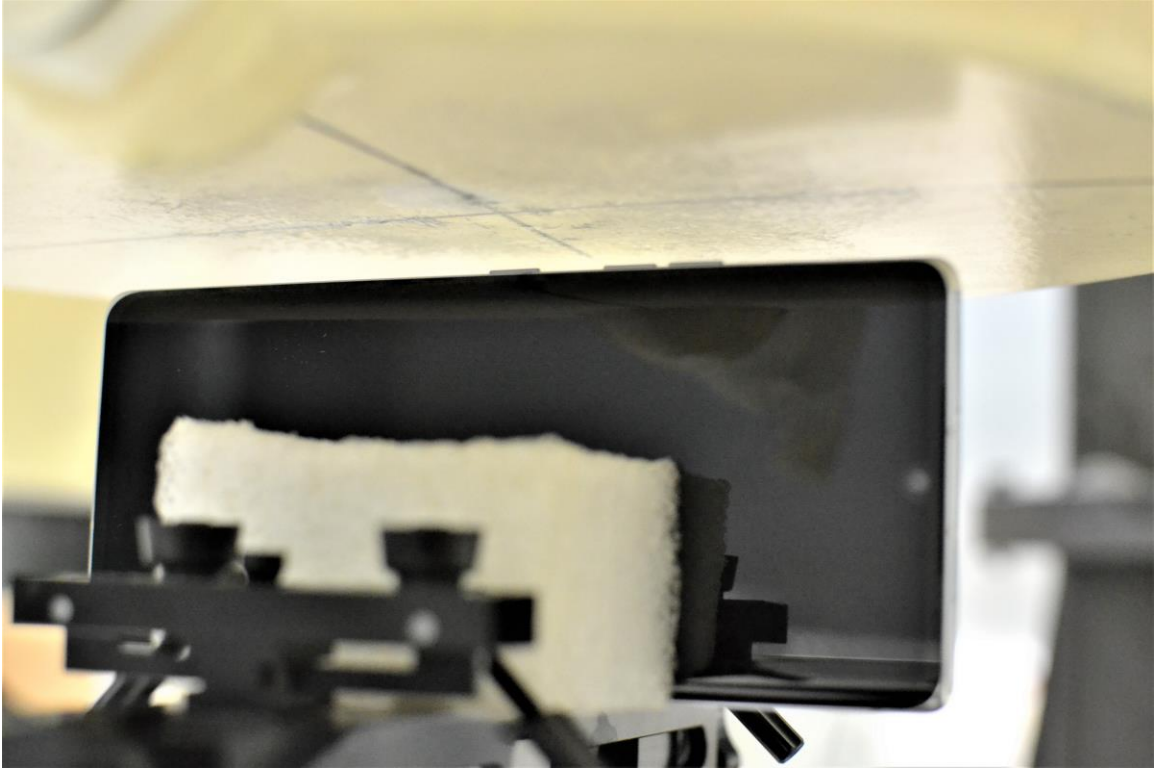


SAR Test Setup Photo 33 – Right Edge with Dual Display Accessory Position #1 at 0 mm



SAR Test Setup Photo 34 – Right Edge with Dual Display Accessory Position #3 at 0 mm

FCC ID: ZNFG900UM	 PCTEST Proud to be part of  element	SAR EVALUATION REPORT	 LG	Approved by: Quality Manager
Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 20 of 23

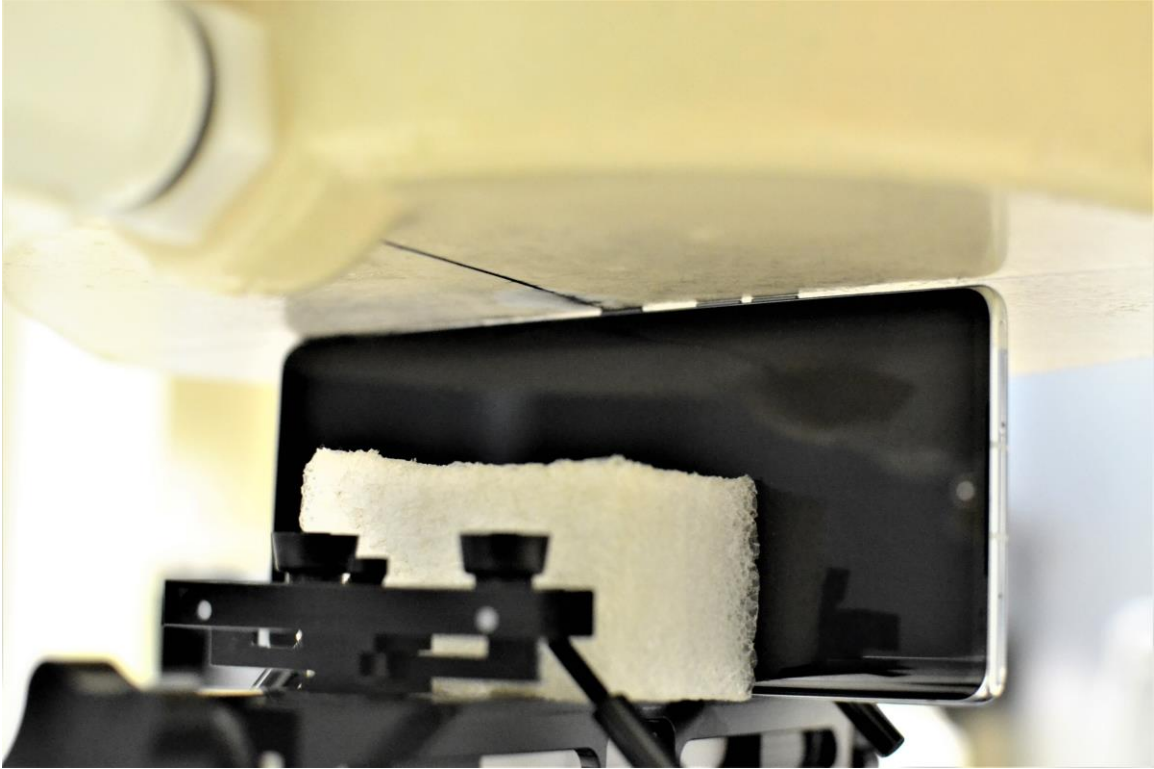


SAR Test Setup Photo 35 – Left Edge at 10 mm



SAR Test Setup Photo 36 – Left Edge with Dual Display Accessory Position #1 at 10 mm

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Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 21 of 23



SAR Test Setup Photo 37 – Left Edge at 0 mm



SAR Test Setup Photo 38 – Left Edge with Dual Display Accessory Position #1 at 0 mm

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Test Dates: 04/27/20 - 06/25/20	DUT Type: Portable Handset			APPENDIX E: Page 22 of 23

Horizontal Reference Line



Vertical Reference Line

SAR Test Setup Photo 39: Horizontal and Vertical Reference Lines

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