APPENDIX E: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS

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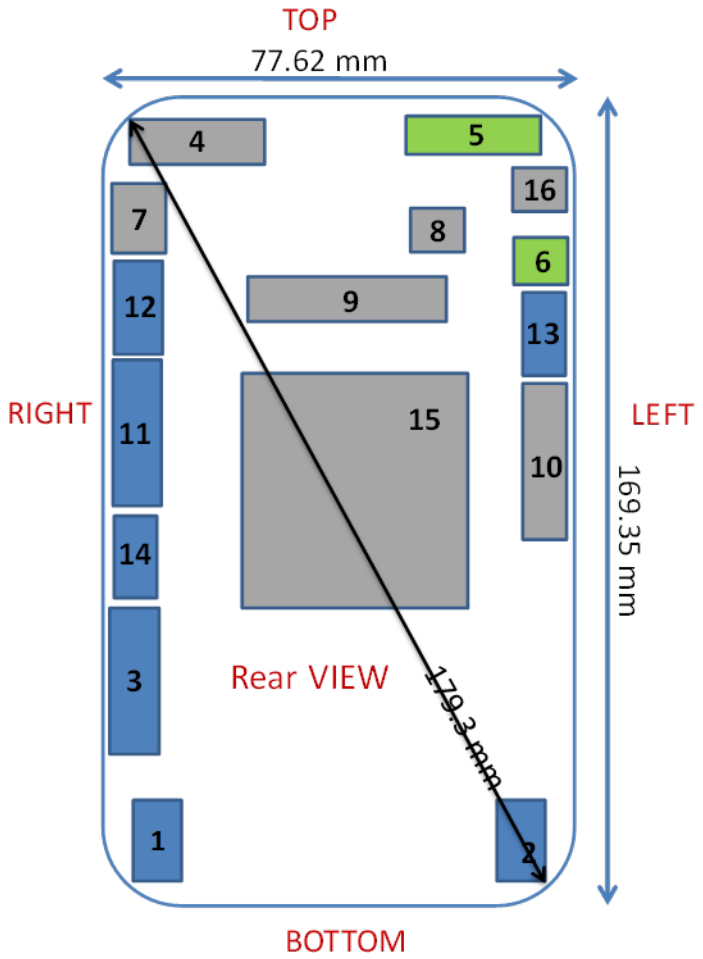
Note: Exact antenna dimensions and separation distances are shown in the Technical Descriptions in the FCC Filing.



1. Main Band Antenna I Tx/Rx
   1. CDMA/EVDO BC0
   2. GSM/GPRS/EDGE 850 MHz
   3. UMTS Band V
   4. LTE Band 12/13/14/5
   5. NR FR1 n5
   6. LTE Band 29 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 66/4/2/30/41
   5. NR FR1 n66/n2 Rx only

3. Main Band Antenna III Tx/Rx
   1. LTE Band 66/4/2 Rx only
   2. NR FR1 n66/n2

4. Sub Band Antenna I Rx Only
   1. CDMA/EVDO BC0
   2. GSM/GPRS/EDGE 850 MHz
   3. UMTS Band V
   4. LTE Band 12/13/14/5/66/4/2/29
   5. NR RF1 n5/n66/n2

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. CDMA/EVDO BC1
   2. GSM/GPRS/EDGE 1900 MHz
   3. UMTS Band II/IV
   4. LTE Band 66/4/2/30/41
   5. NR FR1 n66/n2

8. Sub Band Antenna III Rx Only
   1. LTE Band 48

9. Sub Band Antenna IV Rx Only
   1. LTE Band 48

10. Sub Band Antenna V Rx Only
    1. LTE Band 48

11. Main Band Antenna IV Tx/Rx
    1. LTE Band 48

12. QTM-1
    1. NR FR2 n260, n261 Tx/ Rx

13. QTM-2
    1. NR FR2 n260, n261 Tx/ Rx

14. QTM-0
    1. NR FR2 n260, n261 Tx/ Rx

15. NFC

16. GPS Antenna Rx Only

Figure E-1
DUT Antenna Locations

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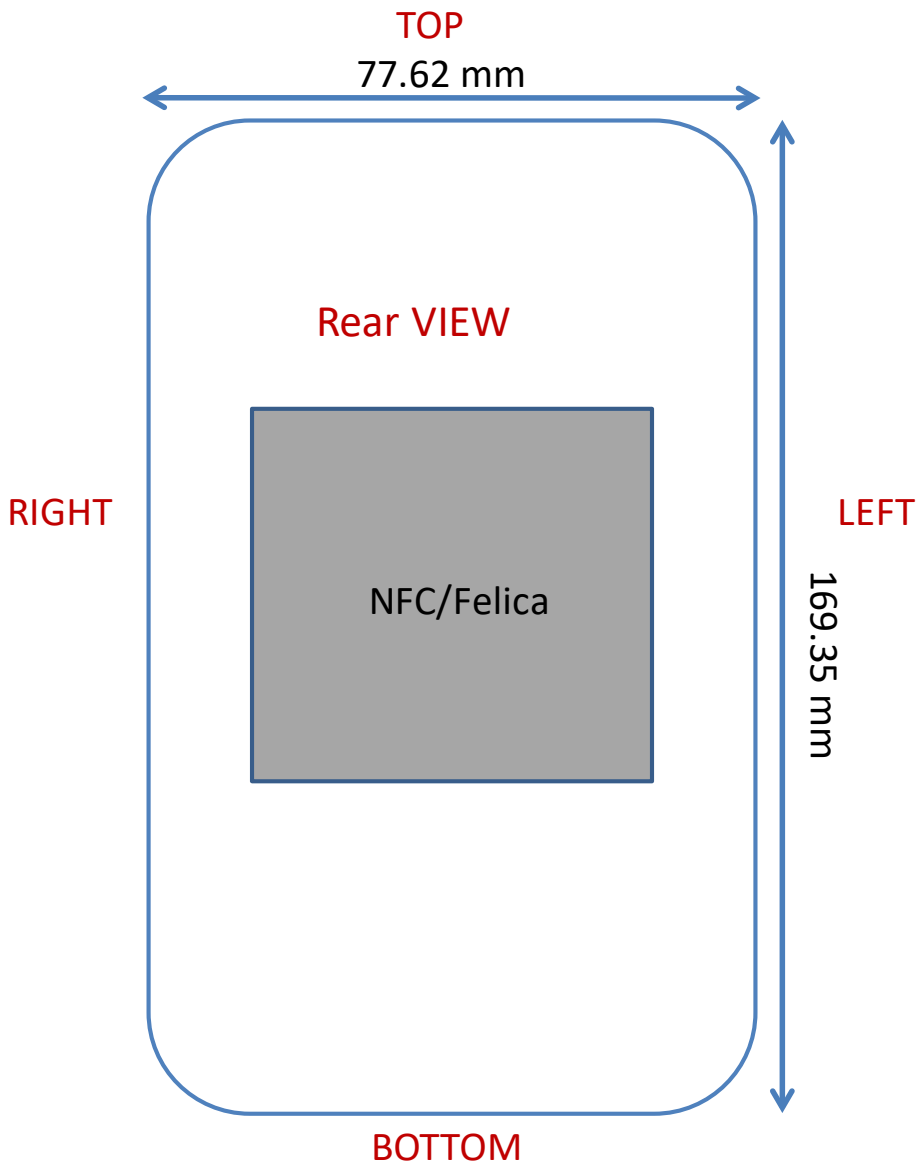

Figure E-2
NFC/Felica Antenna Locations

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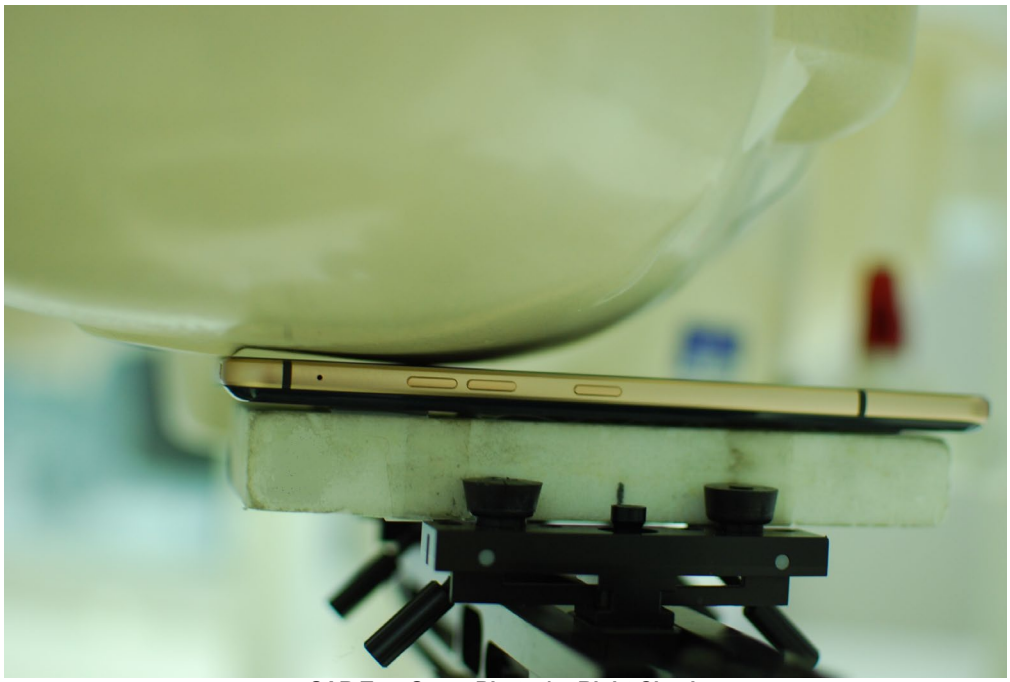
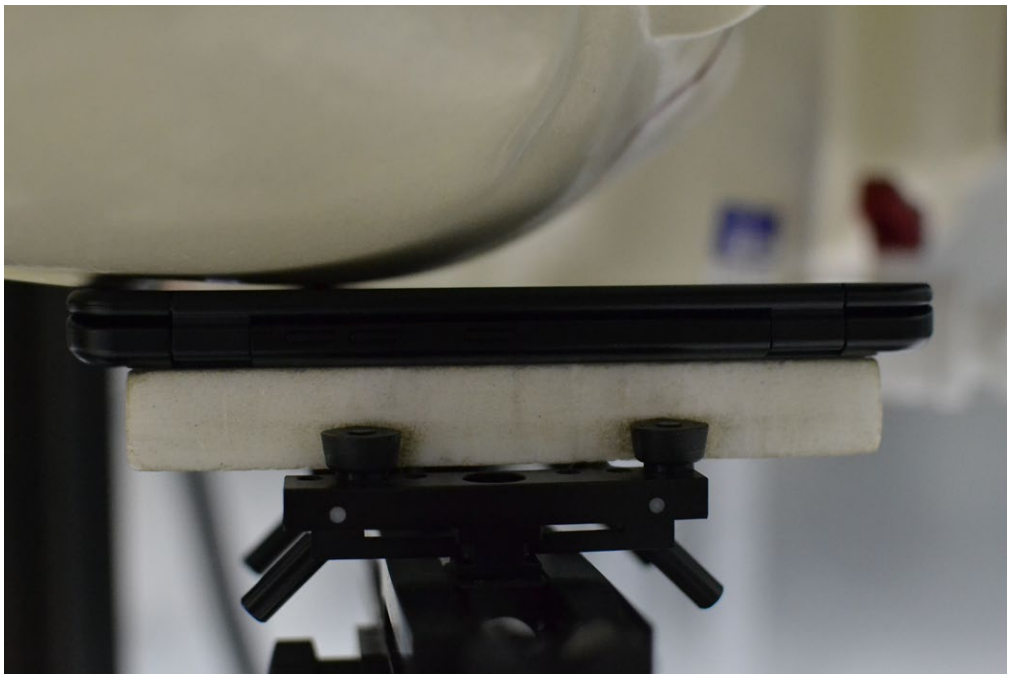


SAR Test Setup Photo 1 – Right Cheek



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

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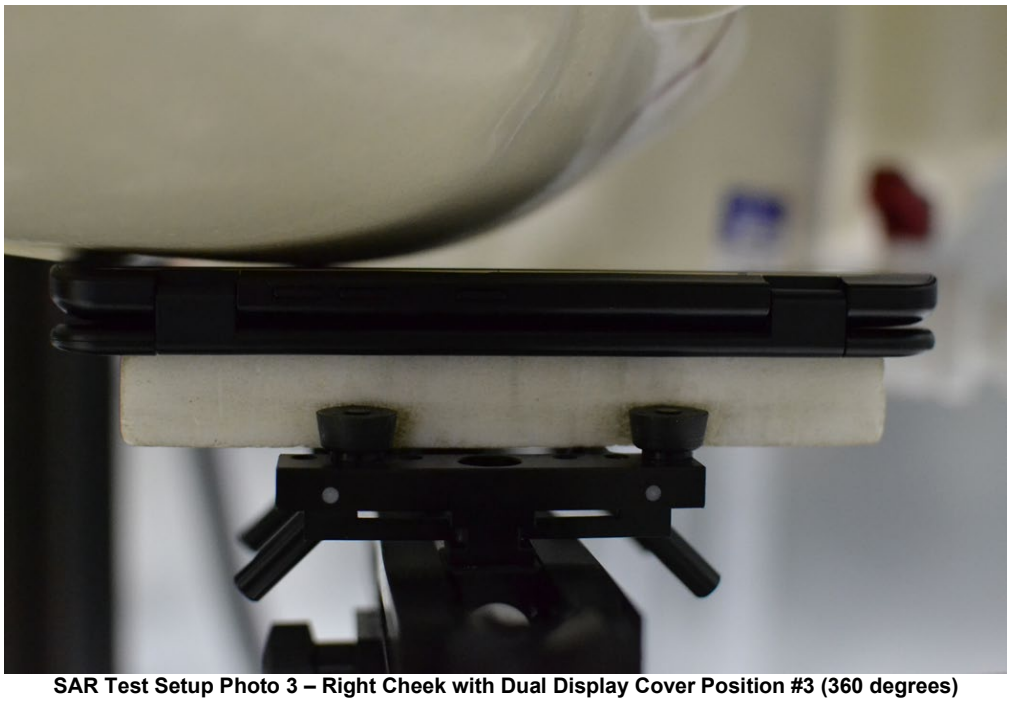
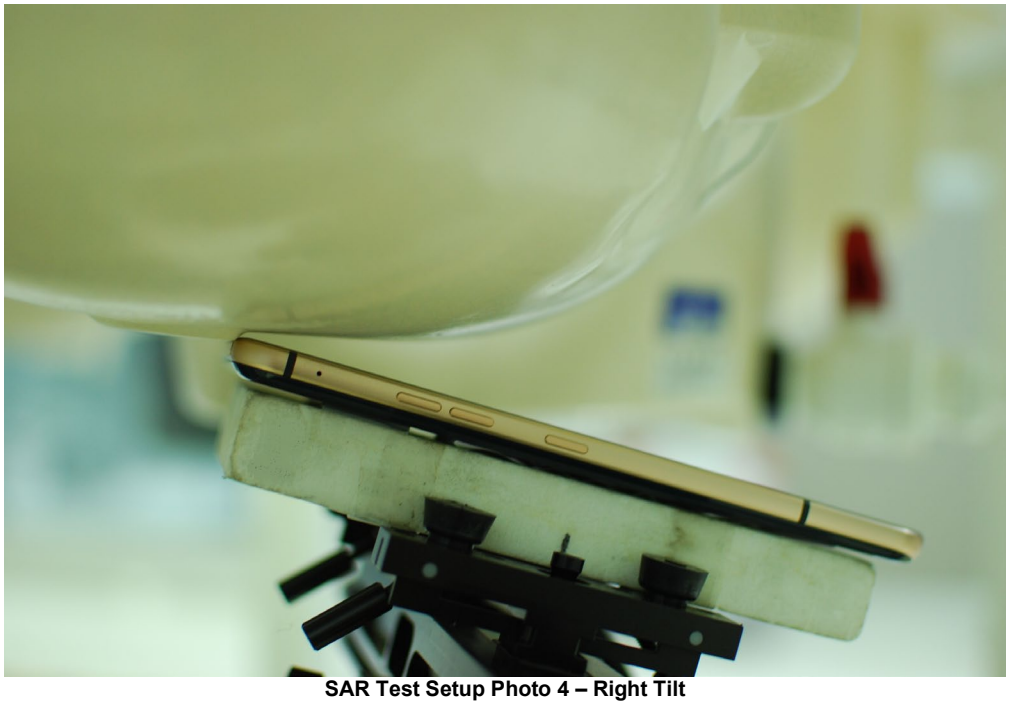


SAR Test Setup Photo 3 – Right Cheek with Dual Display Cover Position #3 (360 degrees)



SAR Test Setup Photo 4 – Right Tilt

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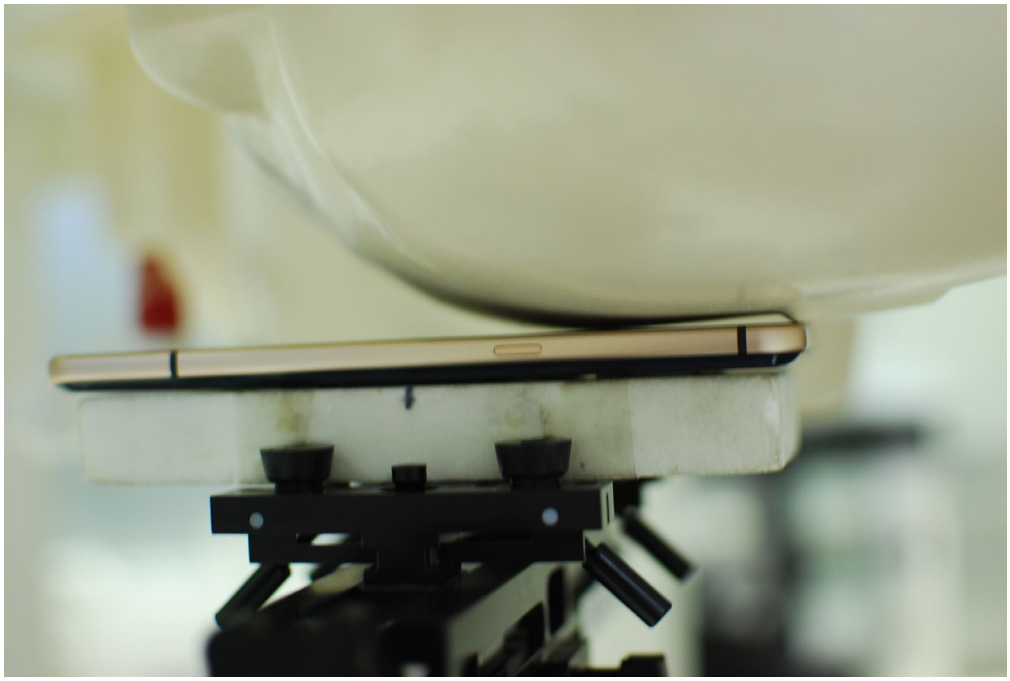
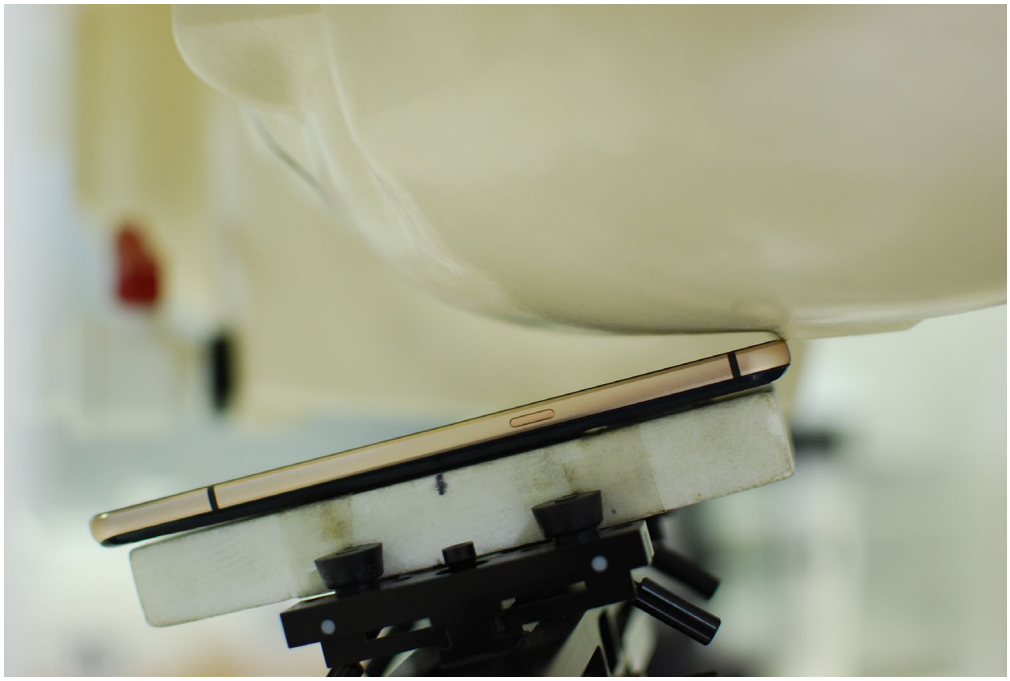


SAR Test Setup Photo 5 – Left Cheek



SAR Test Setup Photo 6 – Left Tilt

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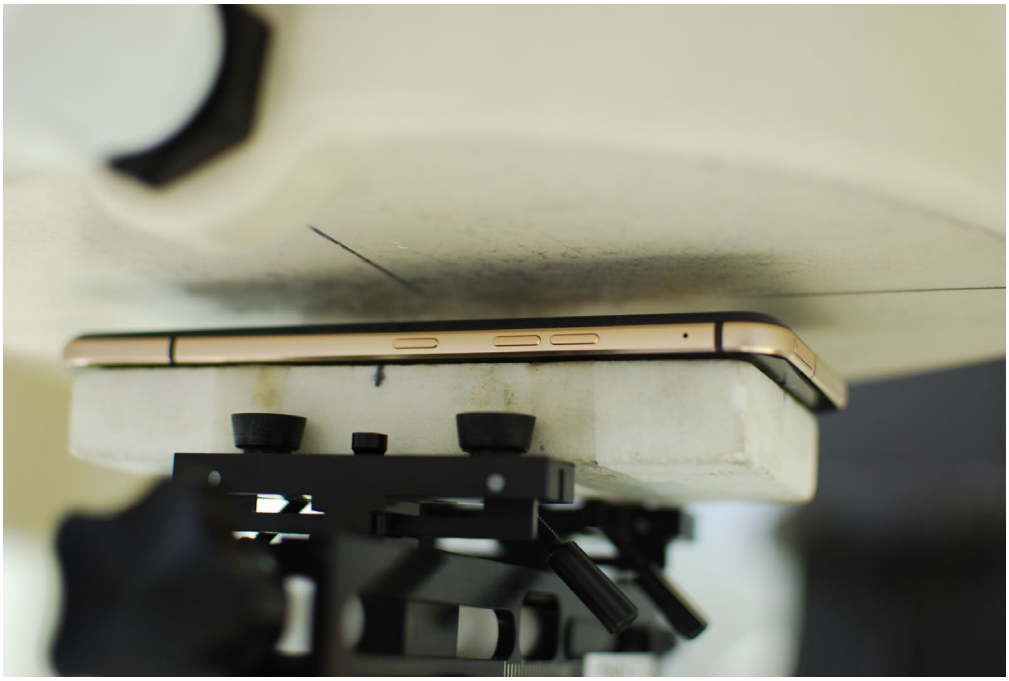
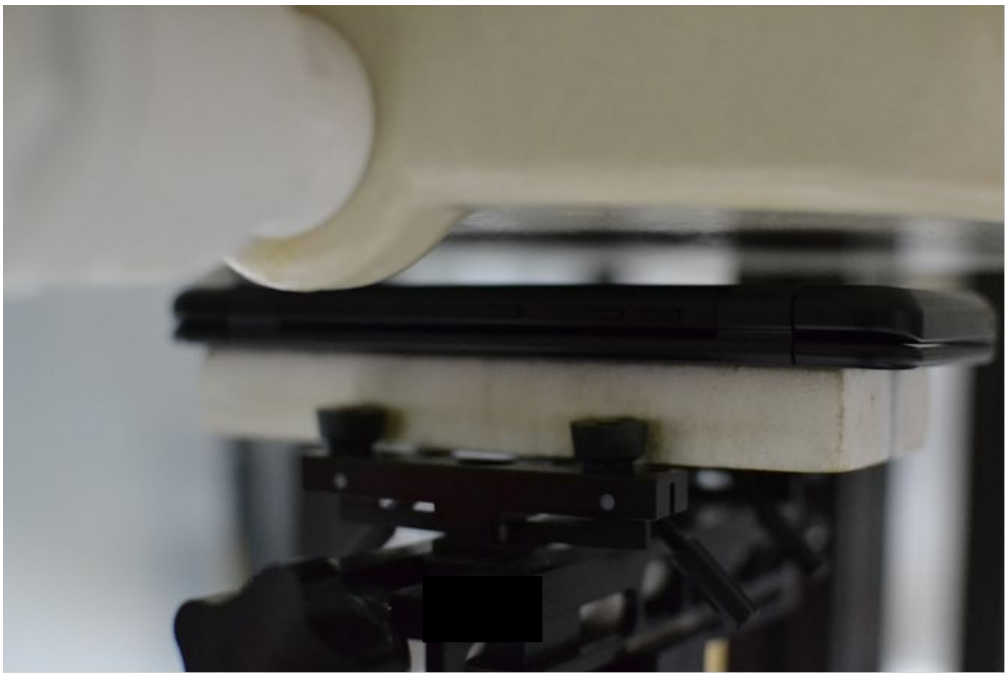


SAR Test Setup Photo 7 – Back Side at 10 mm



SAR Test Setup Photo 8 – Back Side at 10 mm with Dual Display Cover Position #1 (0 degrees)

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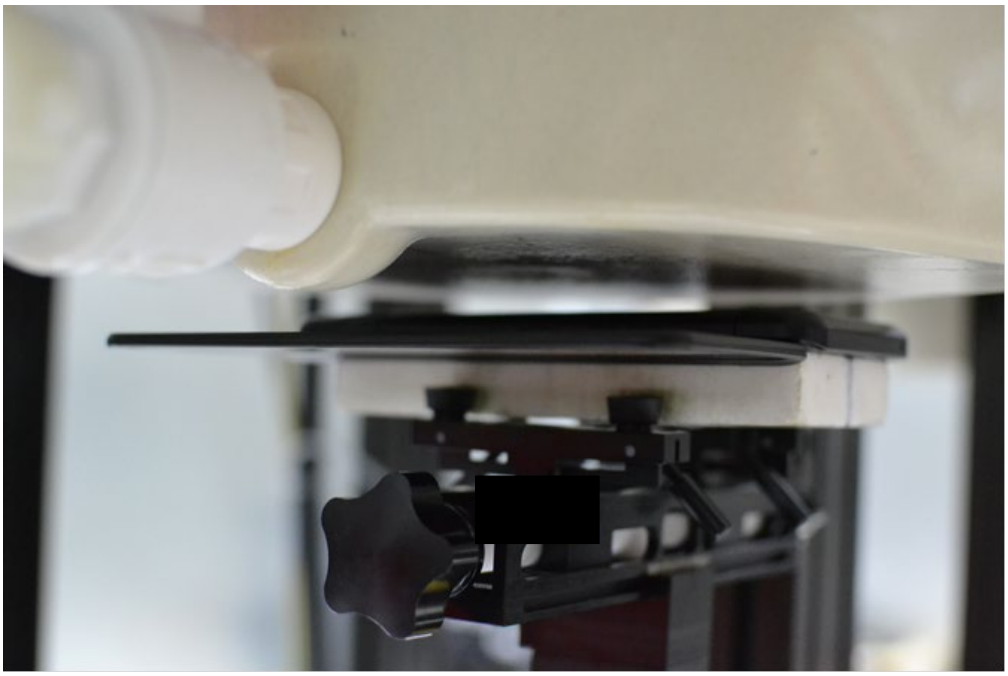
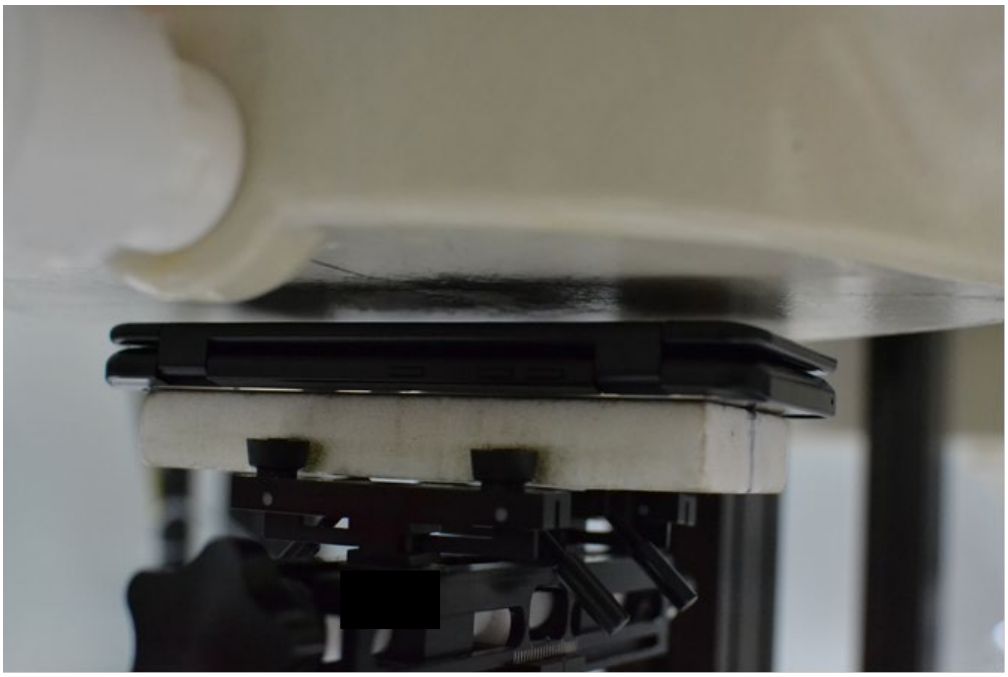


SAR Test Setup Photo 9 – Back Side at 10 mm with Dual Display Cover Position #2 (180 degrees)



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

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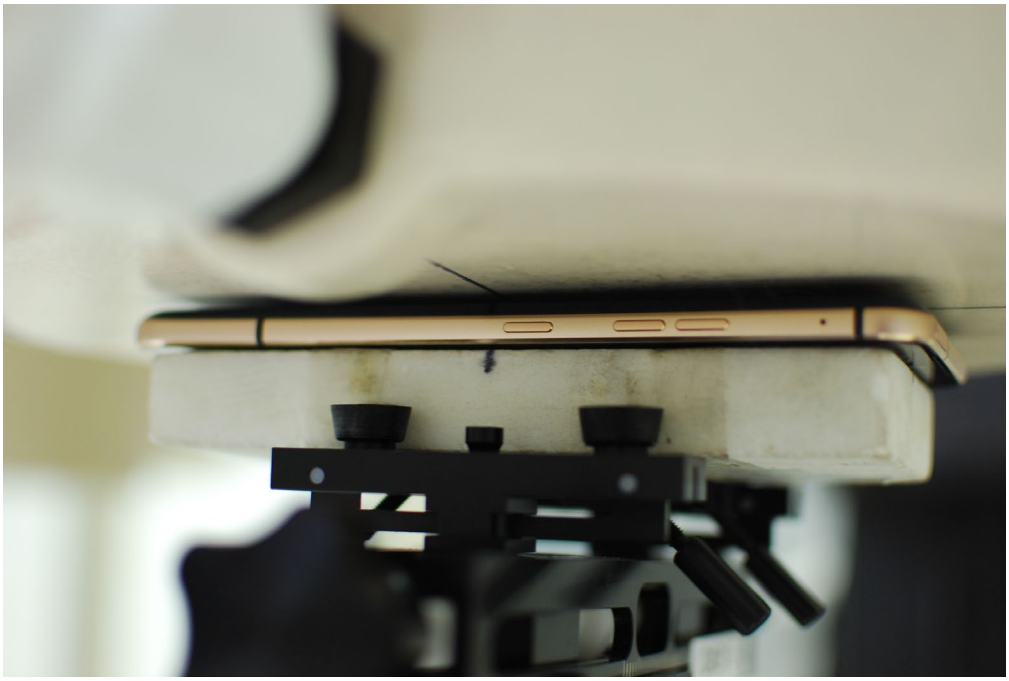

SAR Test Setup Photo 11 – Back Side at 2 mm

SAR Test Setup Photo 12 – Back Side at 0 mm

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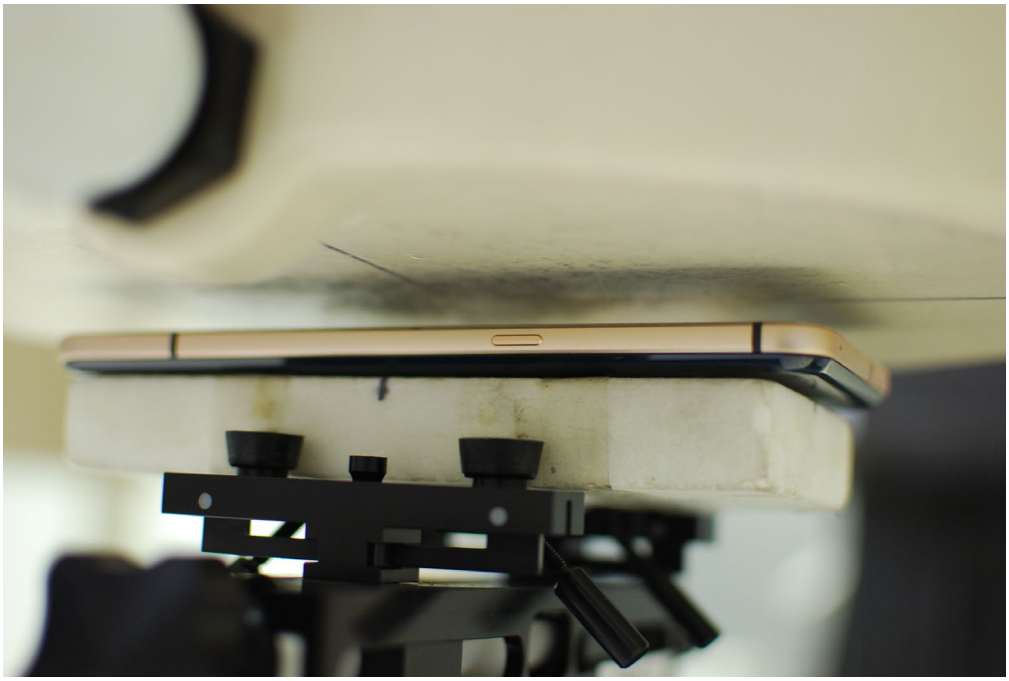

SAR Test Setup Photo 13 – Front Side at 10 mm

SAR Test Setup Photo 3 – Front Side at 1 mm

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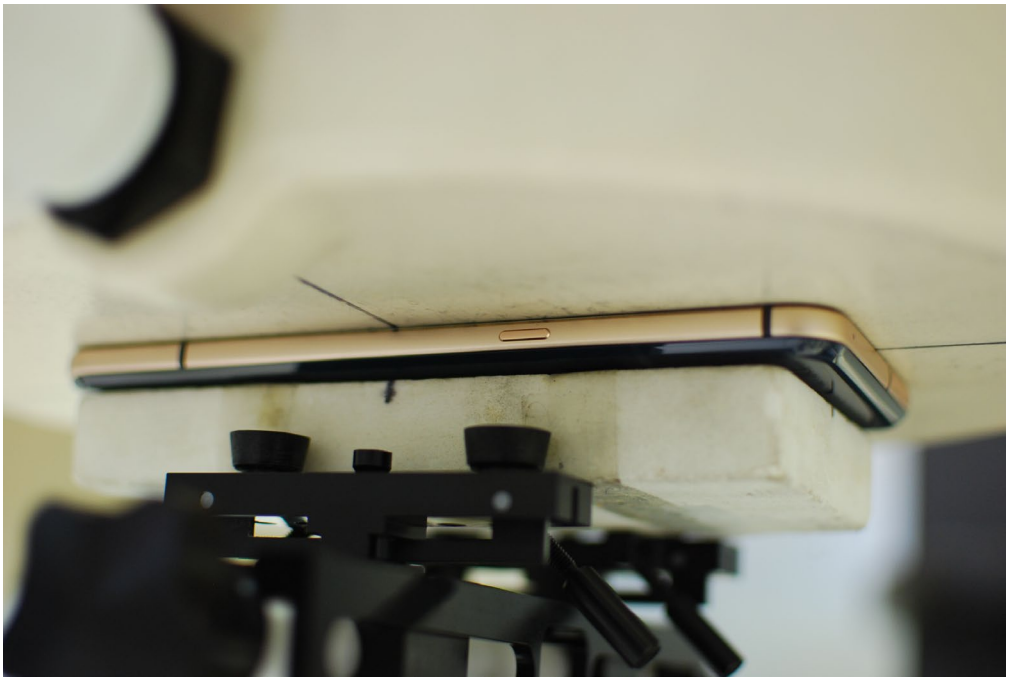
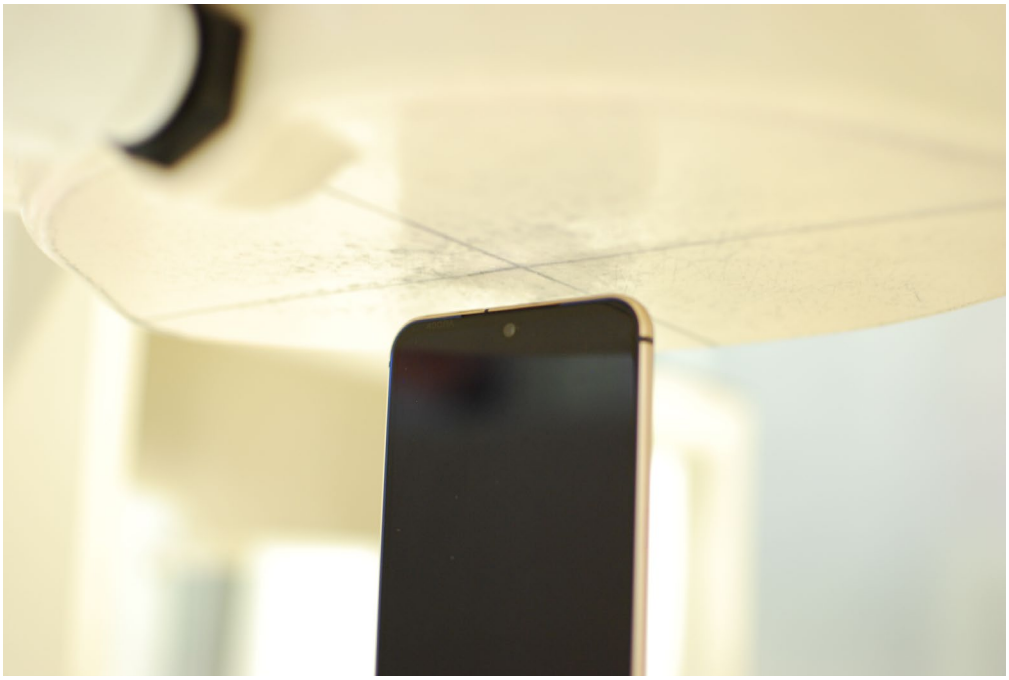


SAR Test Setup Photo 15 – Front Side at 0 mm



SAR Test Setup Photo 4 – Top Edge at 10 mm

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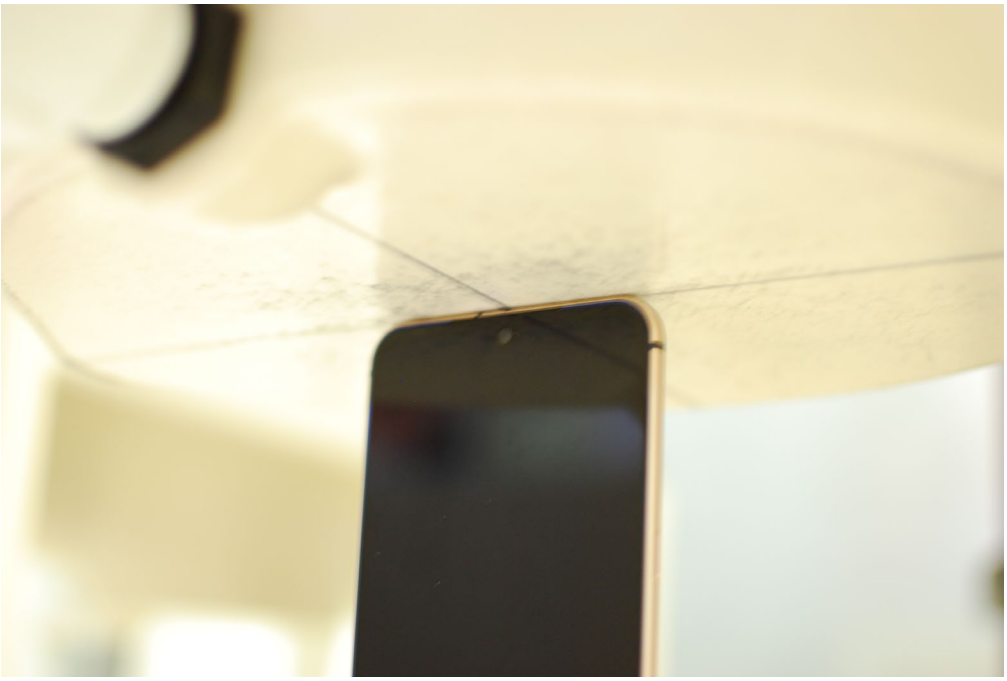

SAR Test Setup Photo 17 – Top Edge at 0 mm

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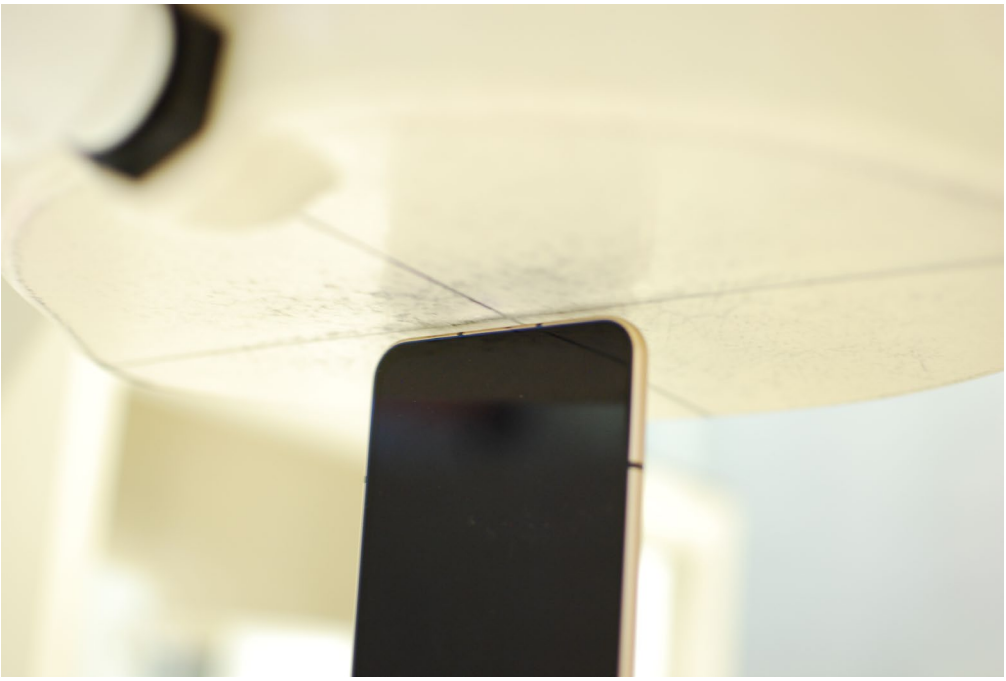
SAR Test Setup Photo 18 – Bottom Edge at 10 mm



SAR Test Setup Photo 19 – Bottom Edge at 3 mm

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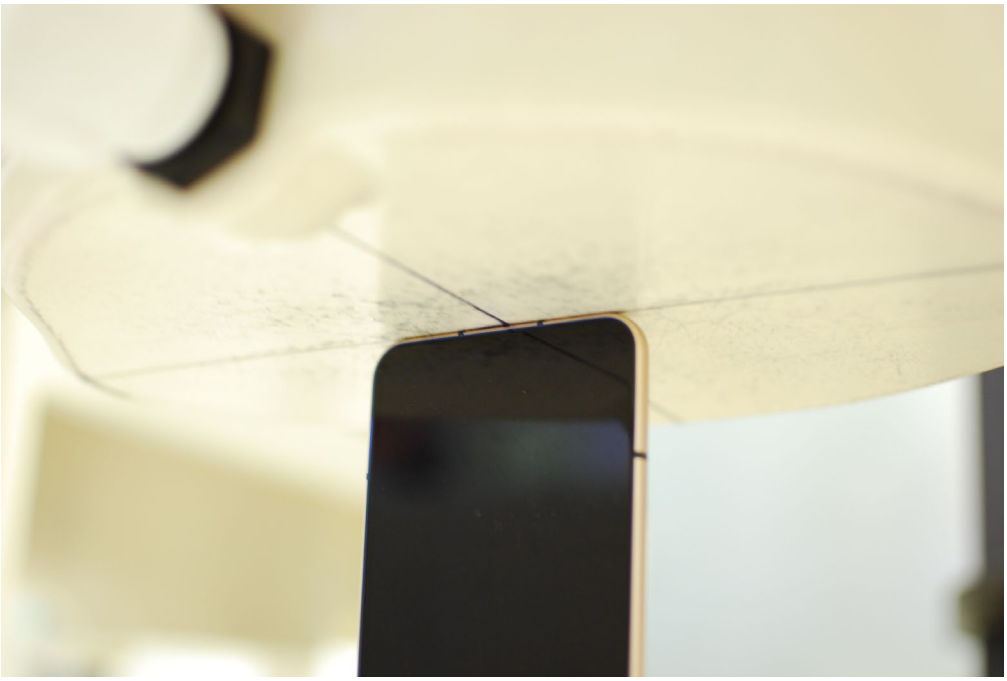
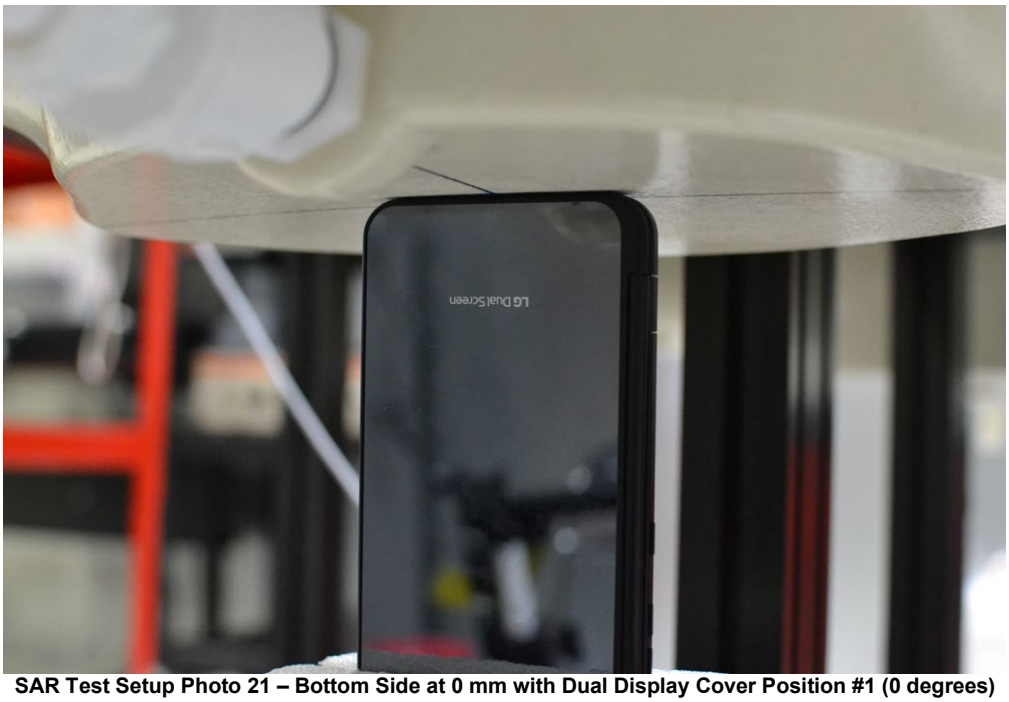


SAR Test Setup Photo 20 – Bottom Edge at 0 mm



SAR Test Setup Photo 21 – Bottom Side at 0 mm with Dual Display Cover Position #1 (0 degrees)

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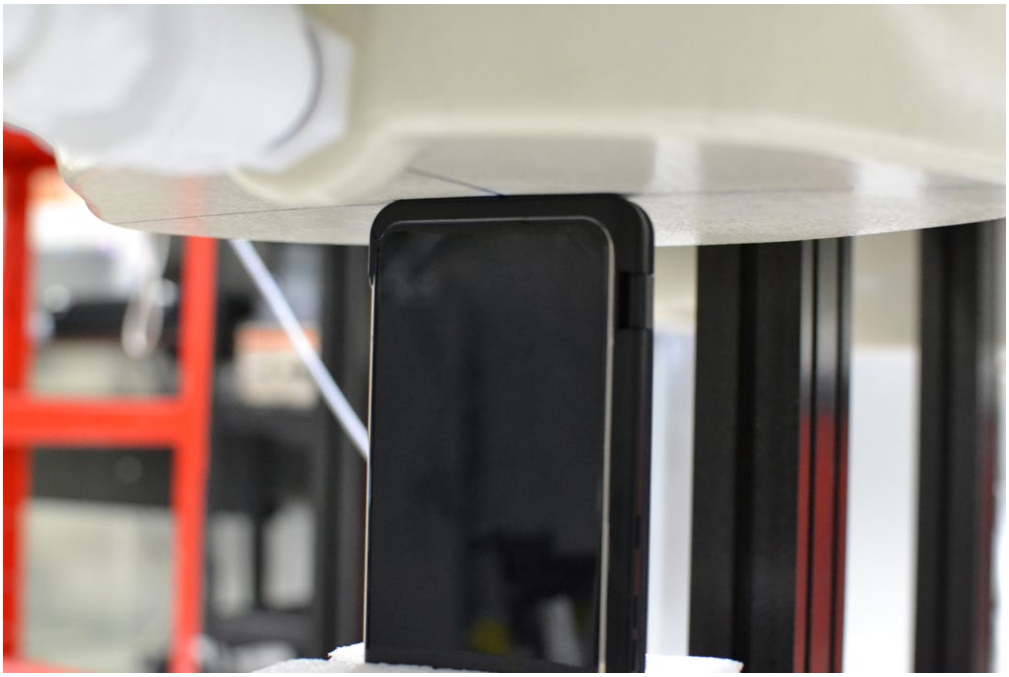
SAR Test Setup Photo 22 – Bottom Side at 0 mm with Dual Display Cover Position #2 (180 degrees)



SAR Test Setup Photo 23 – Bottom Side at 0 mm with Dual Display Cover Position #3 (360 degrees)

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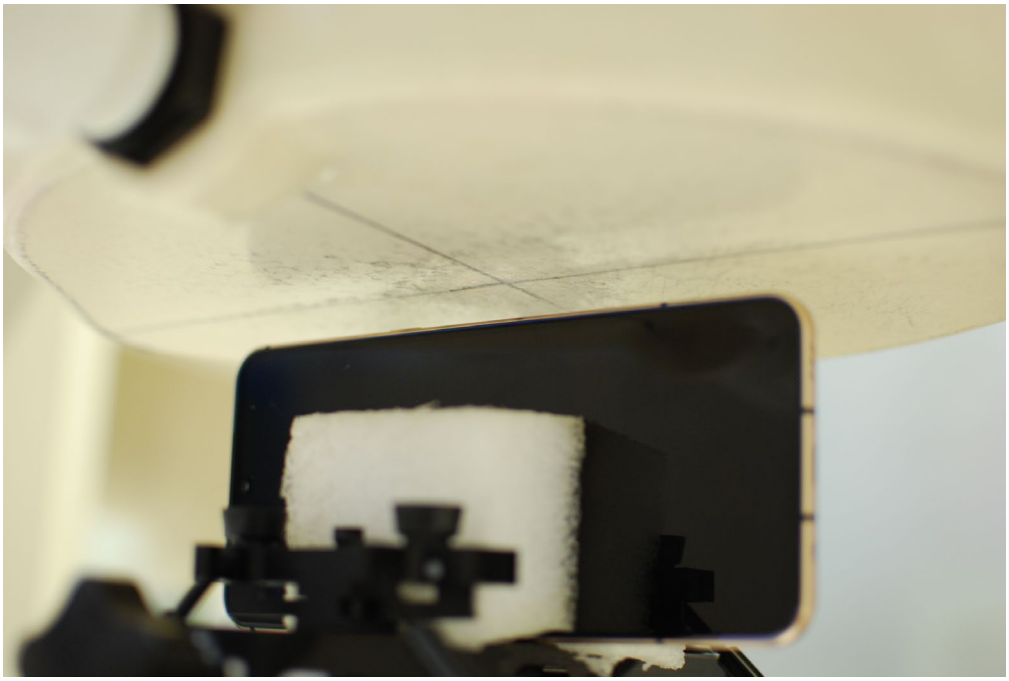
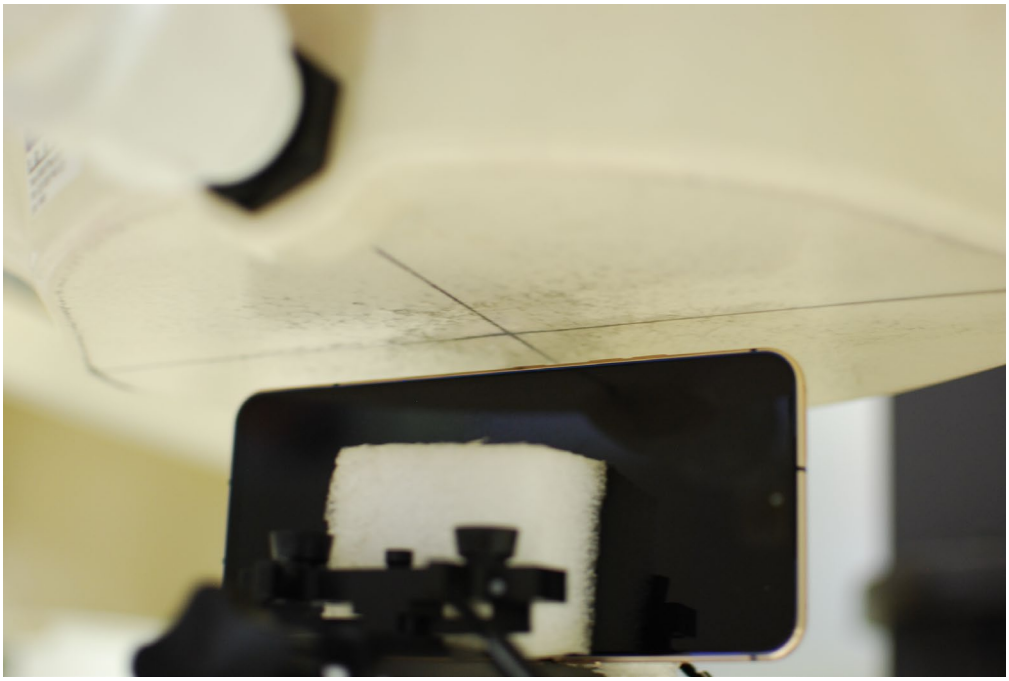


SAR Test Setup Photo 24 – Right Edge at 10 mm



SAR Test Setup Photo 25 – Left Edge at 10 mm

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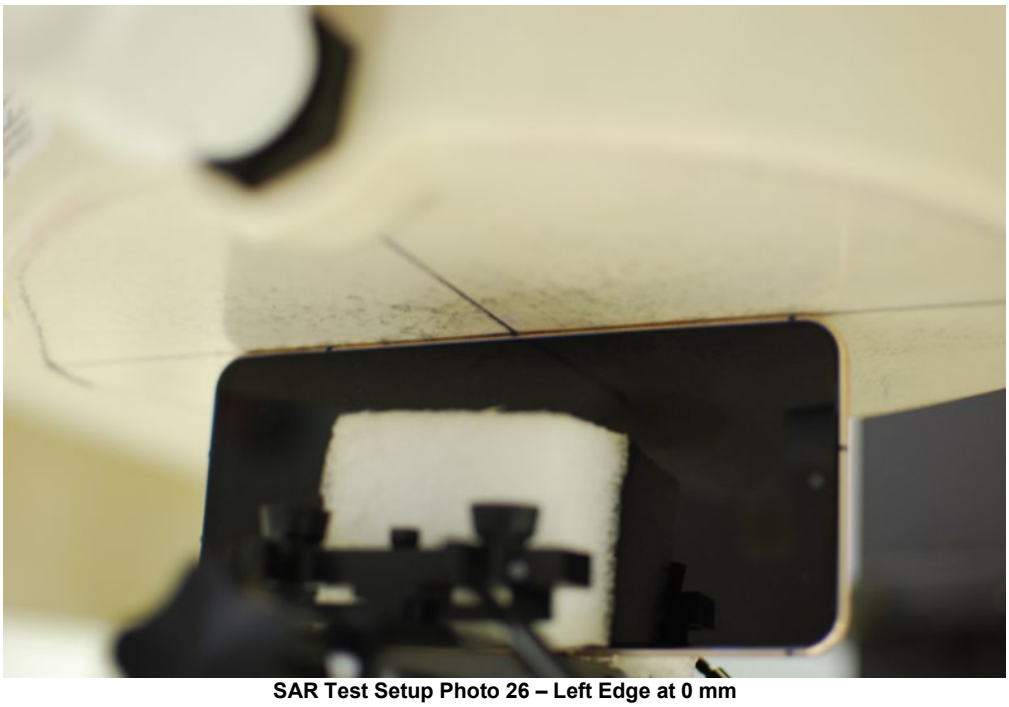
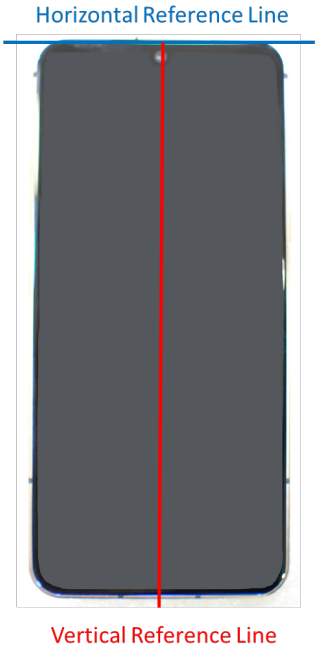


SAR Test Setup Photo 26 – Left Edge at 0 mm



SAR Test Setup Photo 27: Horizontal and Vertical Reference Lines

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