

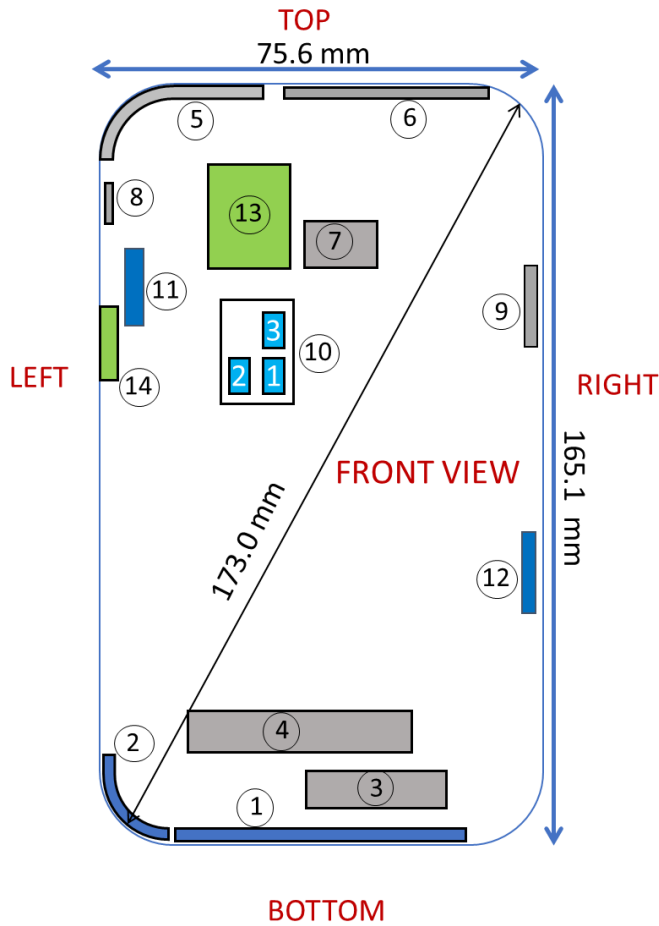


# APPENDIX E: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS



<b>FCC ID</b> A3LSMG998JPN	 <b>PCTEST</b> <small>Proud to be part of @element</small>	<b>SAR EVALUATION REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Dates:</b> 01/17/21 - 01/25/21	<b>DUT Type:</b> Portable Handset			APPENDIX E: Page 1 of 14

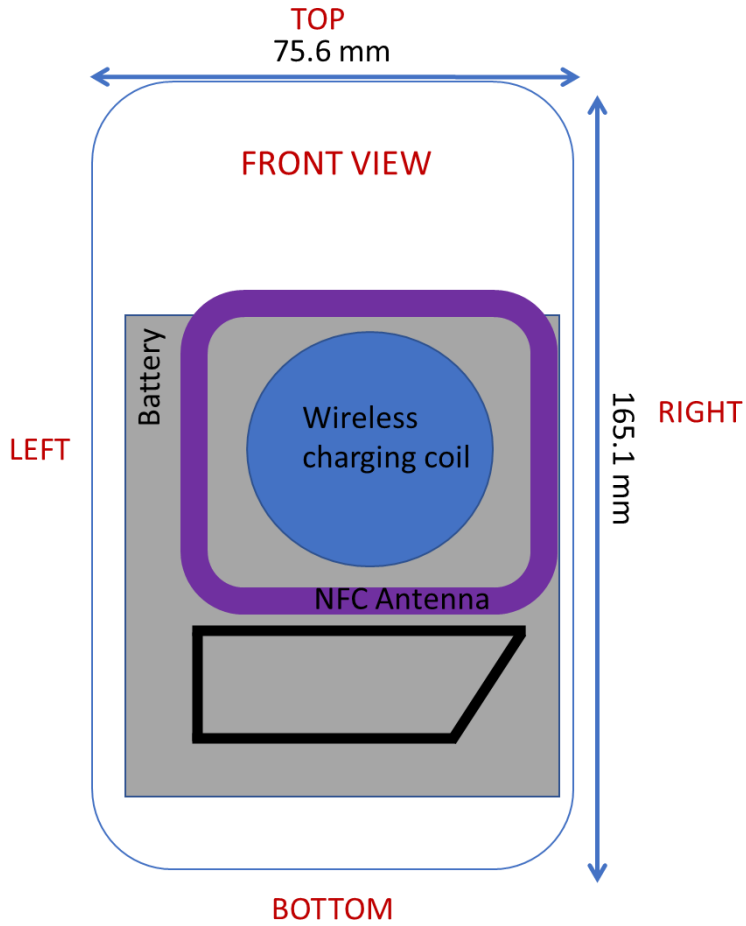


- 1. Antenna A Tx/Rx
  - 1. GSM/GPRS/EDGE 850/1900 Tx/Rx
  - 2. WCDMA B5 Tx/Rx
  - 3. LTE 12/13/5/4 Tx/Rx
- 2. Antenna B Tx/Rx
  - 1. LTE B41 Tx/Rx
- 3. Antenna C Rx only
  - 1. Non-US bands
- 4. Antenna D Rx only
  - 1. Non-US bands
- 5. Antenna E Rx Only
  - 1. GSM/GPRS/EDGE 1900
  - 2. LTE B4/41
  - 3. GPS L1
- 6. Antenna F Rx Only
  - 1. GSM/GPRS/EDGE 850
  - 2. WCDMA B5
  - 3. LTE B12/13/5
- 7. Antenna G
  - 1. Non-US bands
- 8. Antenna H Rx only
  - 1. UWB
- 9. Antenna I
  - 1. Non-US bands
- 10. Antenna J Tx/Rx UWB
  - 1. Tx/Rx
  - 2. Rx Only
  - 3. Rx Only
- 11. Antenna K Tx/Rx
  - 1. Non-US bands
- 12. Antenna L Tx/Rx
  - 1. Non-US bands
- 13. WIFI #1 Tx/Rx
  - 1. WiFi #1 (2.4/5 GHz) Tx/Rx
  - 2. BT #1 Tx/Rx
- 14. WIFI #2 Tx/Rx
  - 1. WiFi #2(2.4/5 GHz) Tx/Rx
  - 2. BT #2 Tx/Rx
  - 3. GPS L5 Rx only



**Figure E-1  
DUT Antenna Locations**

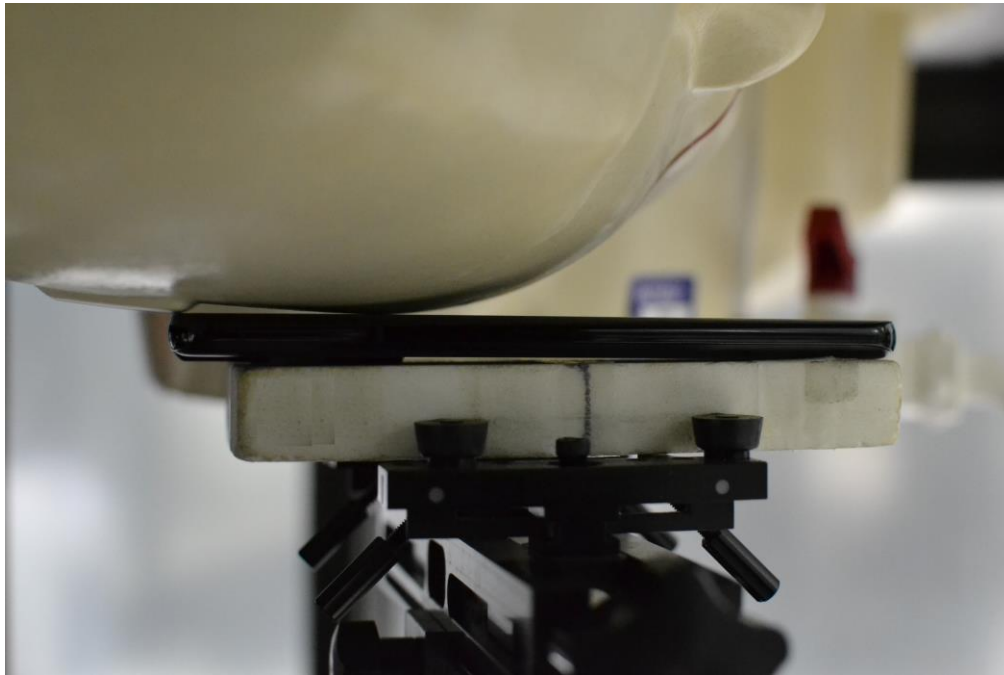
Note: Exact antenna dimensions and separation distances are shown in the Technical Descriptions in the FCC Filing.

<b>FCC ID</b> A3LSMG998JPN	 <small>Proved to be part of Samsung</small>	<b>SAR EVALUATION REPORT</b>		<b>Approved by:</b> Quality Manager
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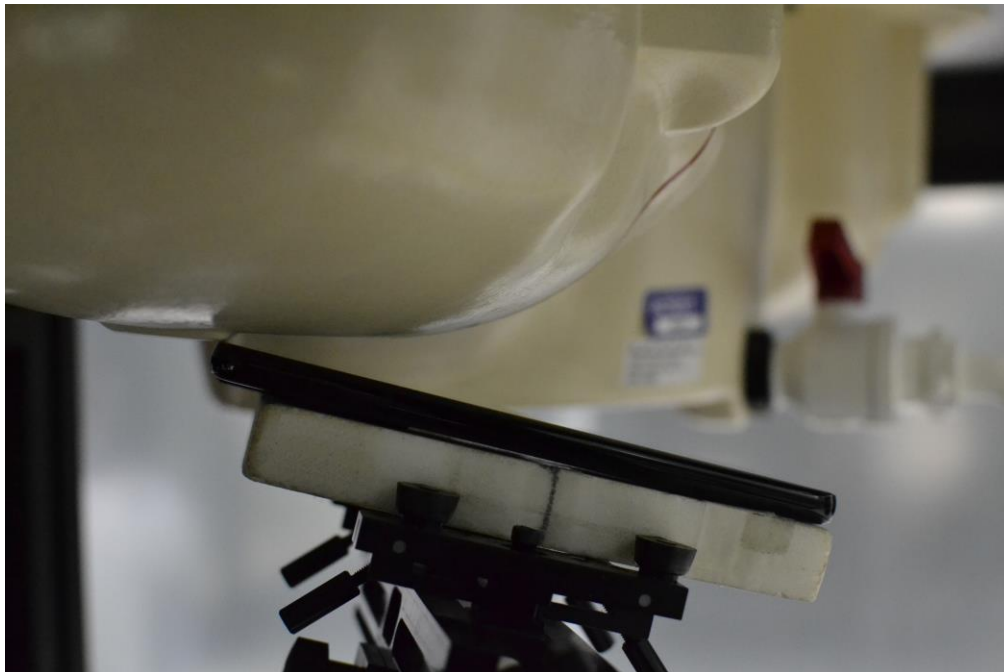


**Figure E-2  
NFC Antenna Locations**



<b>FCC ID</b> A3LSMG998JPN	 <small>Proud to be part of</small>	<b>SAR EVALUATION REPORT</b>		<b>Approved by:</b> Quality Manager
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**SAR Test Setup Photo 1 – Right Cheek**

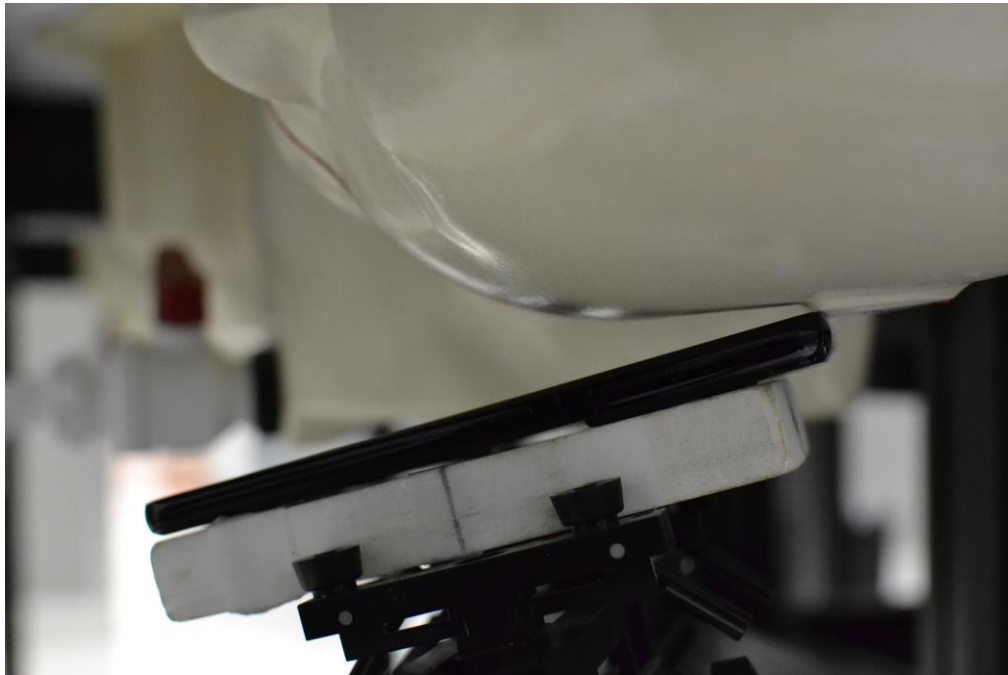


**SAR Test Setup Photo 2 – Right Tilt**



<b>FCC ID</b> A3LSMG998JPN	 <small>Proud to be part of @element</small>	<b>SAR EVALUATION REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Dates:</b> 01/17/21 - 01/25/21	<b>DUT Type:</b> Portable Handset			<b>APPENDIX E:</b> Page 4 of 14

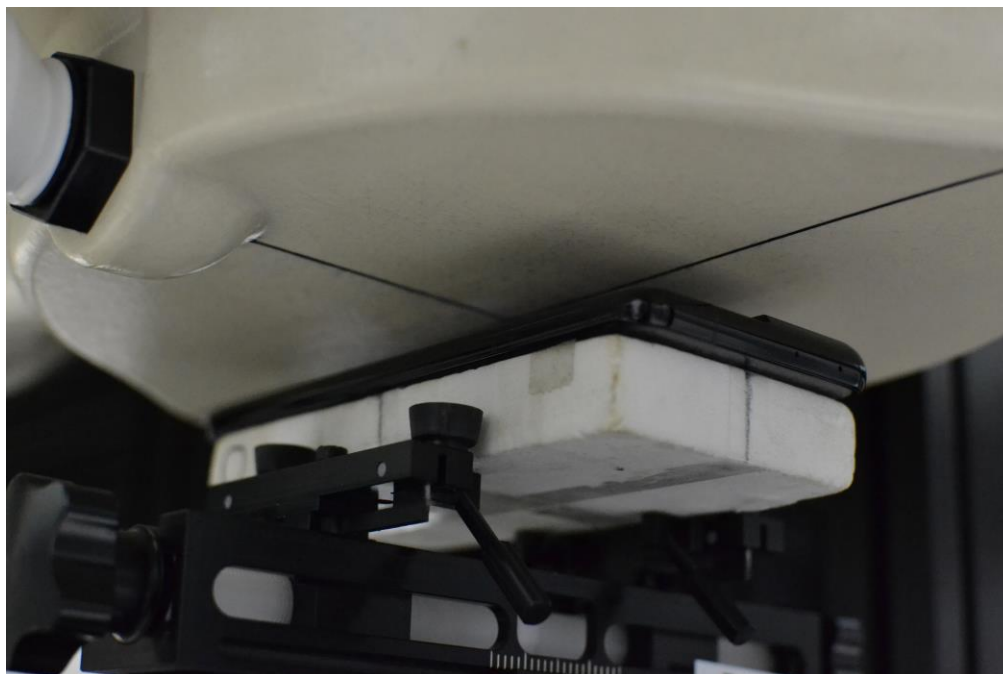


**SAR Test Setup Photo 3 – Left Cheek**



**SAR Test Setup Photo 4 – Left Tilt**



<b>FCC ID</b> A3LSMG998JPN	 <small>Proud to be part of @element</small>	<b>SAR EVALUATION REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Dates:</b> 01/17/21 - 01/25/21	<b>DUT Type:</b> Portable Handset			APPENDIX E: Page 5 of 14



**SAR Test Setup Photo 5 – Back Side at 15 mm**

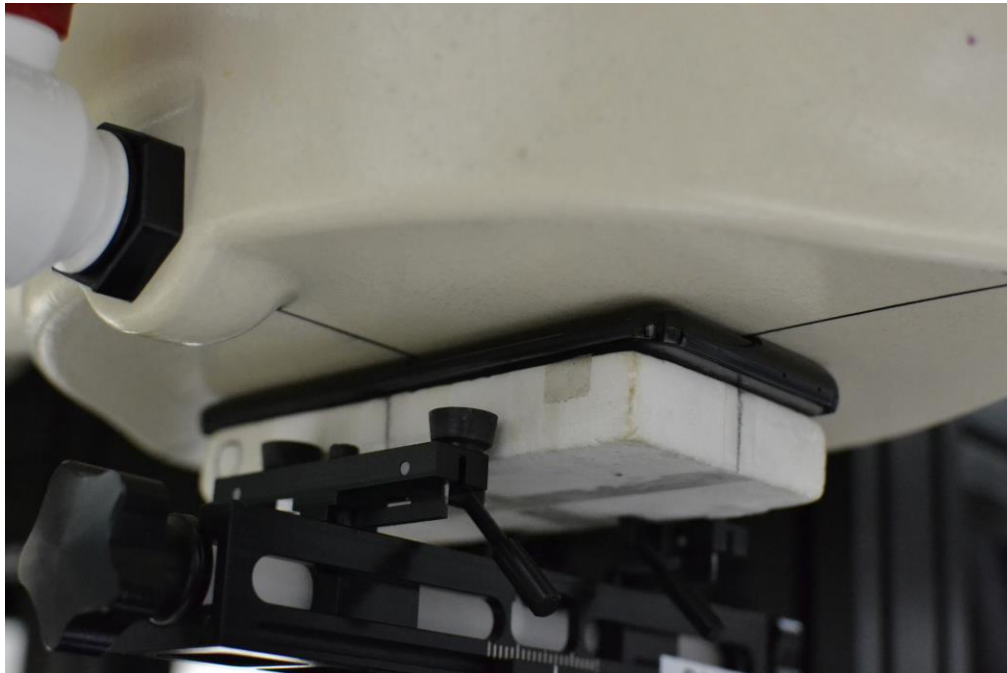


**SAR Test Setup Photo 6 – Back Side at 10 mm**



<b>FCC ID</b> A3LSMG998JPN	 <small>Proud to be part of @element</small>	<b>SAR EVALUATION REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Dates:</b> 01/17/21 - 01/25/21	<b>DUT Type:</b> Portable Handset			APPENDIX E: Page 6 of 14



**SAR Test Setup Photo 7 – Back Side at 8 mm**



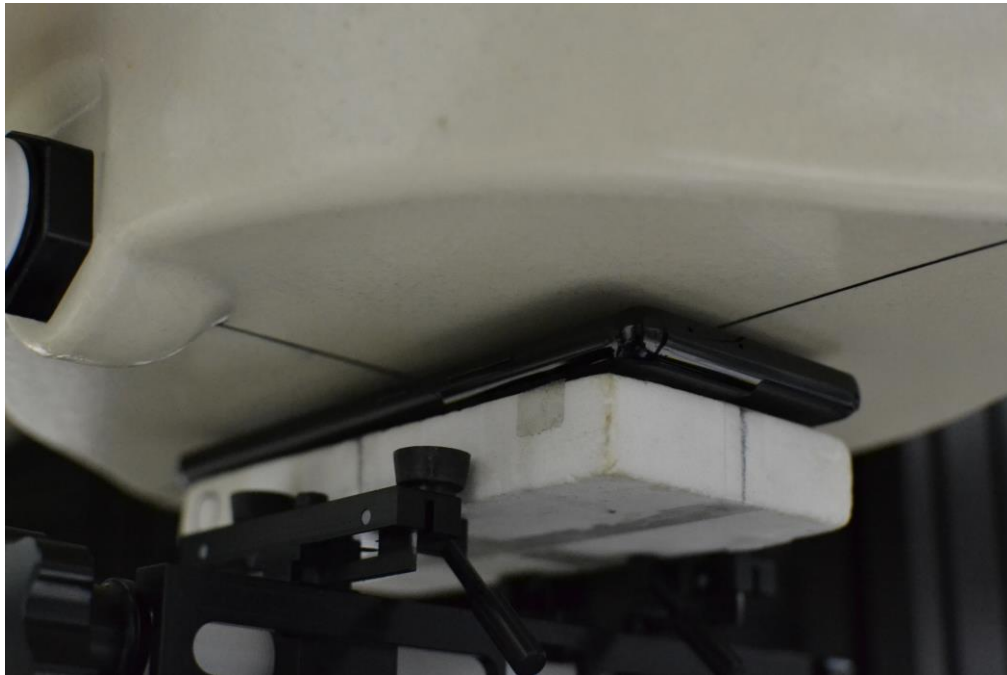
**SAR Test Setup Photo 8 – Back Side at 0 mm**

<b>FCC ID</b> A3LSMG998JPN	 <small>Provided to be part of @alignment</small>	<b>SAR EVALUATION REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Dates:</b> 01/17/21 - 01/25/21	<b>DUT Type:</b> Portable Handset			APPENDIX E: Page 7 of 14







**SAR Test Setup Photo 9 – Front Side at 10 mm**



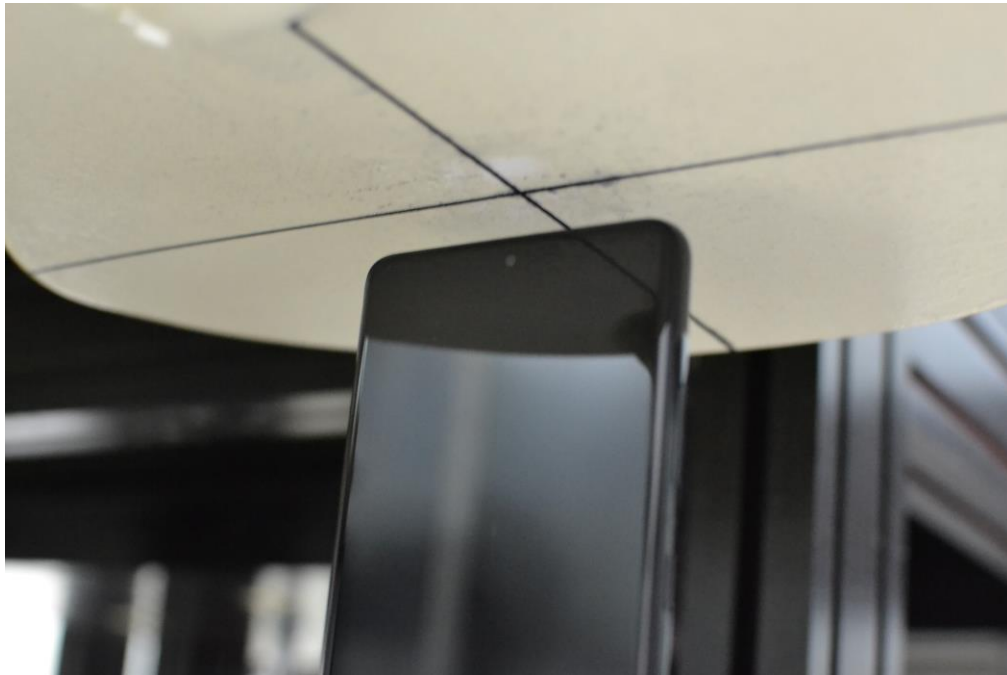
**SAR Test Setup Photo 10 – Front Side at 6 mm**

<b>FCC ID</b> A3LSMG998JPN	 <small>Proud to be part of @element</small>	<b>SAR EVALUATION REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Dates:</b> 01/17/21 - 01/25/21	<b>DUT Type:</b> Portable Handset			APPENDIX E: Page 8 of 14





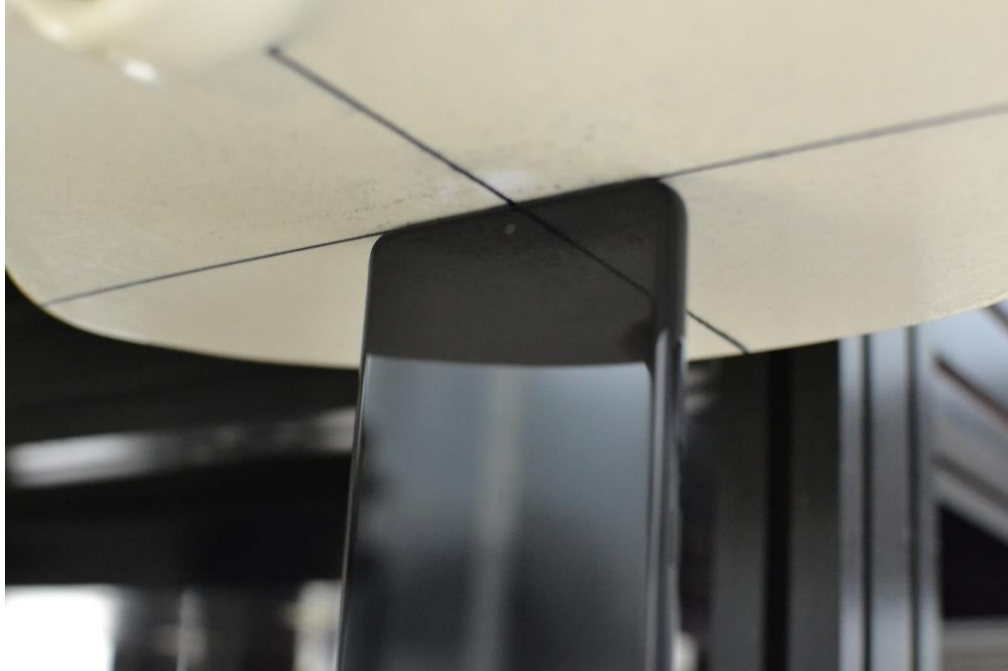


**SAR Test Setup Photo 11 – Front Side at 0 mm**

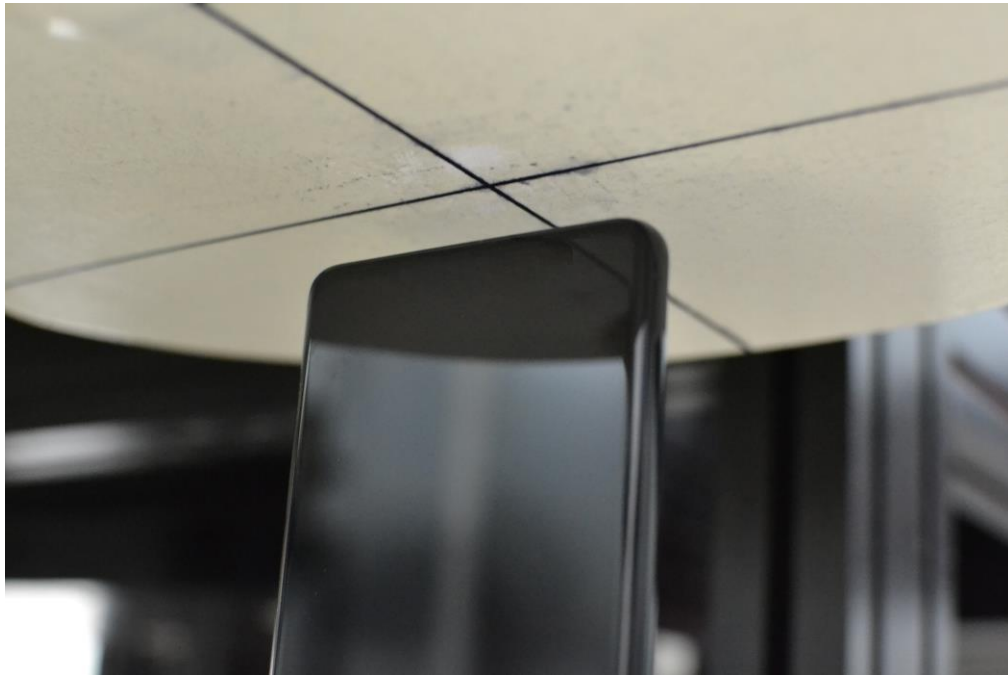


**SAR Test Setup Photo 12 – Top Side at 10 mm**



<b>FCC ID</b> A3LSMG998JPN	 <small>Proud to be part of @element</small>	<b>SAR EVALUATION REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Dates:</b> 01/17/21 - 01/25/21	<b>DUT Type:</b> Portable Handset			APPENDIX E: Page 9 of 14



**SAR Test Setup Photo 13 – Top Side at 0 mm**



**SAR Test Setup Photo 14 – Bottom Side at 11 mm**



<b>FCC ID</b> A3LSMG998JPN	 <small>Proud to be part of @element</small>	<b>SAR EVALUATION REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Dates:</b> 01/17/21 - 01/25/21	<b>DUT Type:</b> Portable Handset			APPENDIX E: Page 10 of 14



**SAR Test Setup Photo 15 – Bottom Side at 10 mm**



**SAR Test Setup Photo 16 – Bottom Side at 0 mm**



<b>FCC ID</b> A3LSMG998JPN	 <small>Proud to be part of @attest</small>	<b>SAR EVALUATION REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Dates:</b> 01/17/21 - 01/25/21	<b>DUT Type:</b> Portable Handset			APPENDIX E: Page 11 of 14

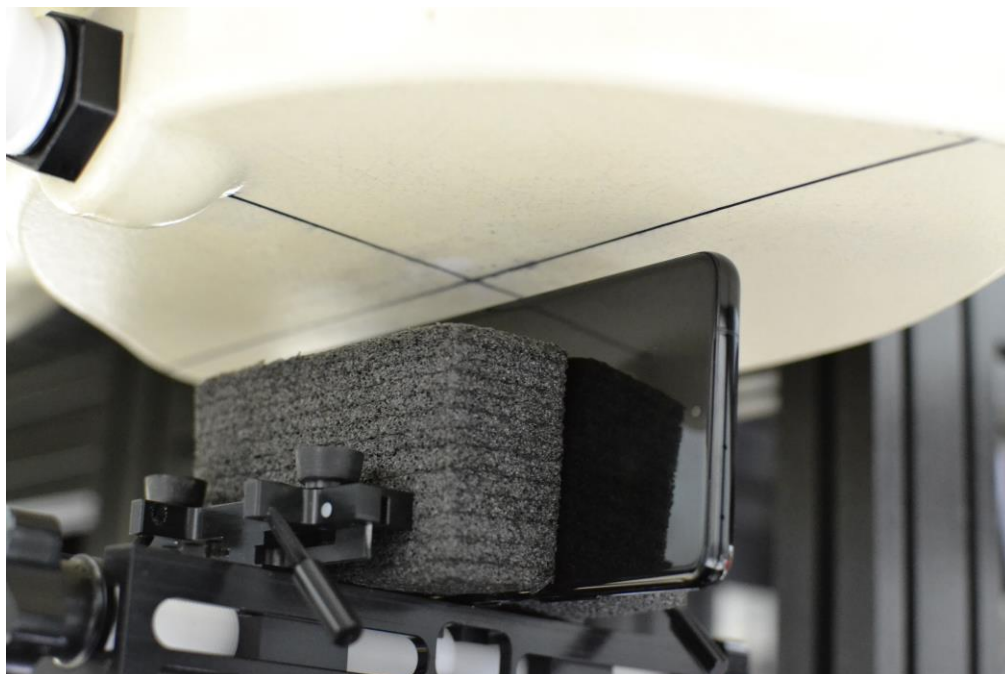


**SAR Test Setup Photo 17 – Right Side at 10 mm**

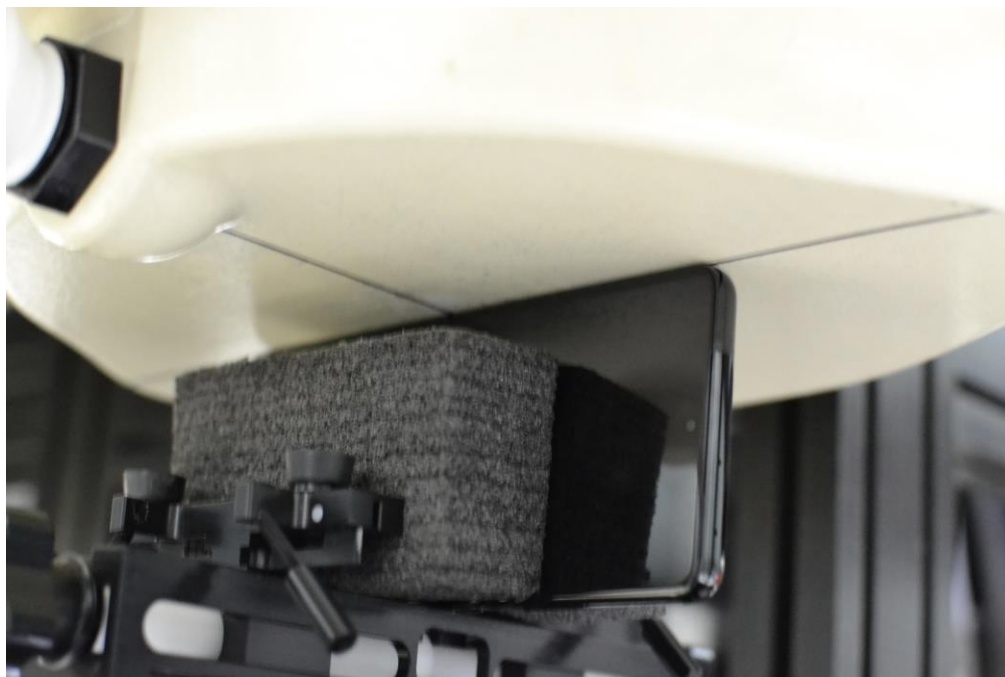


**SAR Test Setup Photo 18 – Right Side at 0 mm**



<b>FCC ID</b> A3LSMG998JPN	 <small>Proud to be part of @element</small>	<b>SAR EVALUATION REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Dates:</b> 01/17/21 - 01/25/21	<b>DUT Type:</b> Portable Handset	<b>APPENDIX E:</b> Page 12 of 14		



**SAR Test Setup Photo 19 – Left Side at 10 mm**





**SAR Test Setup Photo 20 – Left Side at 0 mm**

<b>FCC ID</b> A3LSMG998JPN	 <small>Proud to be part of @aiment</small>	<b>SAR EVALUATION REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Dates:</b> 01/17/21 - 01/25/21	<b>DUT Type:</b> Portable Handset			APPENDIX E: Page 13 of 14





**SAR Test Setup Photo 21 – Vertical and Horizontal Reference Lines**

<b>FCC ID</b> A3LSMG998JPN	 <small>Proud to be part of @almirant</small>	<b>SAR EVALUATION REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Dates:</b> 01/17/21 - 01/25/21	<b>DUT Type:</b> Portable Handset			APPENDIX E: Page 14 of 14