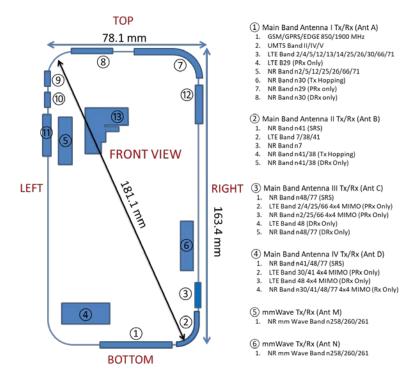


## **APPENDIX E: DUT ANTENNA DIAGRAM & TEST SETUP PHOTOGRAPHS**

FCC ID: A3LSMS918U	NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX E: Page 1 of 6





- 7 Sub Antenna I Tx/Rx (Ant E)
- NR Band n41 (SRS) LTE Band 46 (PRx Only)
- GSM/GPRS/EDGE 850 MHz (DRx Only) UMTS Band V (DRx Only)
- LTE Band 5/12/13/14/26/29/71 (DRx Only) NR Band n5/12/26/29/71 (DRx Only)
- NR Band n30/41 4x4 MIMO (PRx Only) LTE Band 30/41 4x4 MIMO (DRx Only)
- 5 GHz WLAN Ant 2
- 10. 6 GHz WLAN Ant 2
- 8 Sub Antenna II Tx/Rx (Ant F)
  1. LTE Band 2/4/7/25/30/38/41/66 (Tx Hopping)
- NR Band n30/38/41
- NR Band n2/7/25/66 (Tx Hopping)
- GSM/GPRS/EDGE 1900 MHz (DRx Only) UMTS Band II/IV (DRx Only)
- LTE Band 2/4/7/25/30/38/41/66 (DRx only) NR Band n2/7/25/66 (DRx only)
- GPS L1
- 9 Sub Antenna III Tx/Rx (Ant G) 1. LTE Band 48
- NR Band n48/77 LTE Band 46 (DRx Only)
- 5 GHz WLAN Ant 1
- 6 GHz WLAN Ant 1
- 10 Sub Antenna IV Tx/Rx (Ant H)
- 1. 2.4 GHz WLAN Ant 1
- 2.4 GHz Bluetooth Ant 1
- LTE B2/4/25/66 4x4 MIMO (DRx Only)
- NR Band n2/25/66 4x4 MIMO (DRx Only) GPS L5
- (1) Sub Antenna V Tx/Rx (Ant I)
- NR Band n48/77 (SRS) LTE Band 48 4x4 MIMO (PRx Only)
- NR Band n48/77 4x4 MIMO (PRx Only)
- UWB Ant 1
- (12) Sub Antenna VI Tx/Rx (Ant J) 1. 2.4 GHz WLAN Ant 2
- 2. 2.4 GHz Bluetooth Ant 2
- (13) UWB Antenna Tx/Rx
- 1. UWB Ant 2

Figure E-1 **DUT Antenna Locations** 

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

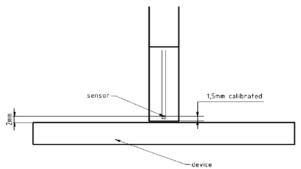


Figure E-3 **EUmmWVx Probe** 

Note: Distances below are distance from device surface to sensor-center. Therefore, distances include 1.5 mm for Probe Tip to Sensor Calibration Points.

FCC ID: A3LSMS918U	NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX E: Page 2 of 6



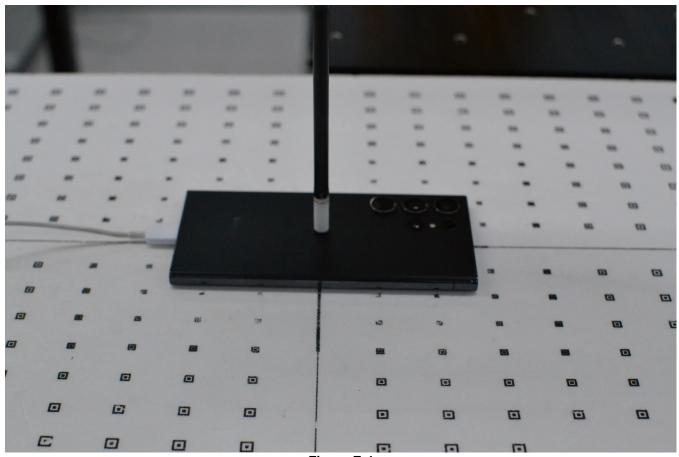


Figure E-4
Near Field Power Density Test Setup Photo – Back Side at 2 mm

FCC ID: A3LSMS918U	NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX E: Page 3 of 6



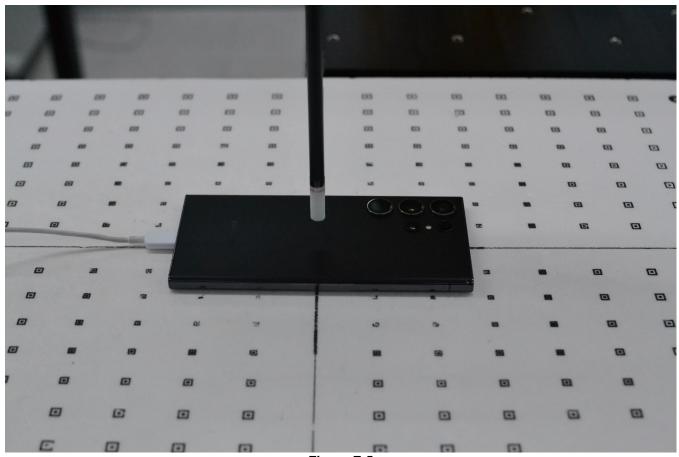


Figure E-5
Near Field Power Density Test Setup Photo – Back Side at 10 mm

FCC ID: A3LSMS918U	NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX E: Page 4 of 6



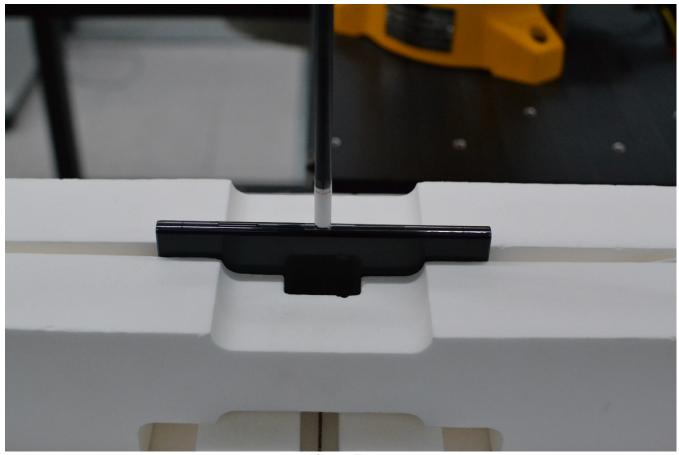


Figure E-6
Near Field Power Density Test Setup Photo – Right Edge at 2 mm

FCC ID: A3LSMS918U	NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX E: Page 5 of 6



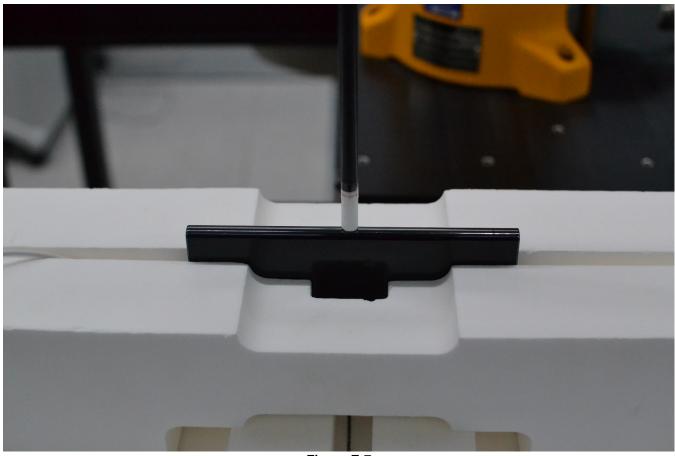


Figure E-7
Near Field Power Density Test Setup Photo – Left Edge at 2 mm

FCC ID: A3LSMS918U	NEAR-FIELD POWER DENSITY EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX E: Page 6 of 6