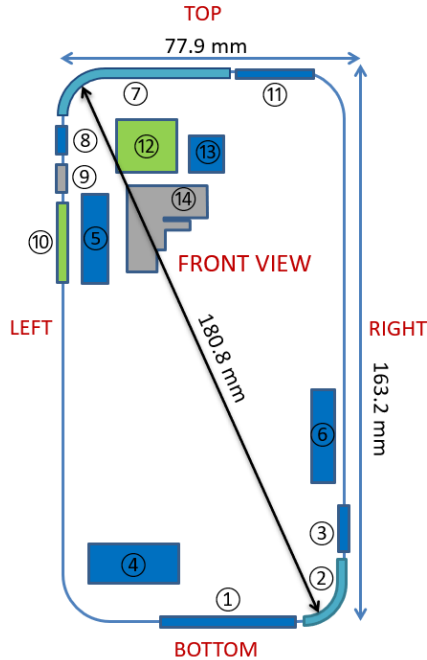


APPENDIX D: DUT ANTENNA DIAGRAM & TEST SETUP PHOTOGRAPHS



- ① Main Band Antenna I Tx/Rx (Ant A)
 1. GSM/GPRS/EDGE 850/1900 MHz
 2. UMTS Band II/IV/V
 3. LTE Band 2/4/5/12/13/14/25/26/30/66/71
 4. LTE B29 (Rx Only)
 5. NR Band n2/5/12/25/30/66/71
- ② Main Band Antenna II Tx/Rx (Ant B)
 1. NR Band n41 (SRS) Tx/Rx
 2. LTE Band 7/38/41 Tx/Rx
 3. NR Band n7
 4. NR Band n41/38 DRX (Rx Only)
- ③ Main Band Antenna III (Ant C)
 1. NR Band n77 (SRS) Tx/Rx
 2. LTE Band 2/4/25/30/66 4x4 MIMO (Rx Only)
 3. NR Band n2/25/30/66 4x4 MIMO (Rx Only)
 4. LTE Band 48 (Rx Only)
 5. NR Band n7 (Rx Only)
- ④ Main Band Antenna IV (Ant D)
 1. NR Band n41/77 (SRS) Tx/Rx
 2. LTE Band 41 4x4 MIMO (Rx Only)
 3. LTE Band 48 (Rx Only)
 4. NR Band n41/77 (Rx Only)
- ⑤ mmWave Tx/Rx (Ant M)
 1. NR mm Wave Band n258/260/261
- ⑥ mmWave Tx/Rx (Ant N)
 1. NR mm Wave Band n258/260/261
- ⑦ Sub Antenna I (Ant E)
 1. NR Band n41 (SRS) Tx/Rx
 2. GSM/GPRS/EDGE 850 MHz (Rx Only)
 3. UMTS Band V (Rx Only)
 4. LTE Band 5/12/13/14/26/71/29 (Rx Only)
 5. NR Band n5/12/71 (Rx Only)
 6. NR Band n41 4x4 MIMO (Rx Only)
 7. LTE Band 2/4/25/30/41/66 4x4 MIMO (Rx Only)
 8. NR Band n2/25/30/66 4x4 MIMO (Rx Only)
- ⑧ Sub Antenna II Tx/Rx (Ant F)
 1. LTE Band 48
 2. NR Band n77
- ⑨ Sub Antenna III (Ant G)
 1. UWB Range
- ⑩ WIFI Antenna I Tx/Rx (Ant H)
 1. 2.4 GHz WLAN Ant 2
 2. 5 GHz WLAN Ant 2
 3. 6 GHz WLAN Ant 2
 4. 2.4 GHz Bluetooth Ant 2
 5. LTE B46 MIMO (Rx Only)
- ⑪ Sub Antenna VI Tx/Rx (Ant J)
 1. NR Band n2/25/30/66
 2. NR Band n38/41
 3. GSM/GPRS/EDGE 1900 MHz (Rx Only)
 4. UMTS Band II/IV (Rx Only)
 5. LTE Band 2/4/7/25/30/38/41/66 (Rx Only)
 6. NR Band n7 (Rx Only)
 7. GPS L1
- ⑫ WIFI Antenna I Tx/Rx (Ant K)
 1. 2.4 GHz WLAN Ant 1
 2. 5 GHz WLAN Ant 1
 3. 6 GHz WLAN Ant 1
 4. 2.4 GHz Bluetooth Ant 1
 5. LTE B46 MIMO (Rx Only)
- ⑬ Sub Antenna VII (Ant I)
 1. NR Band n77 (SRS) Tx
 2. LTE B48 4x4 MIMO (Rx Only)
 3. NR Band n77 4x4 MIMO (Rx Only)
- ⑭ UWB Antenna

Figure D-1
DUT Antenna Locations

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

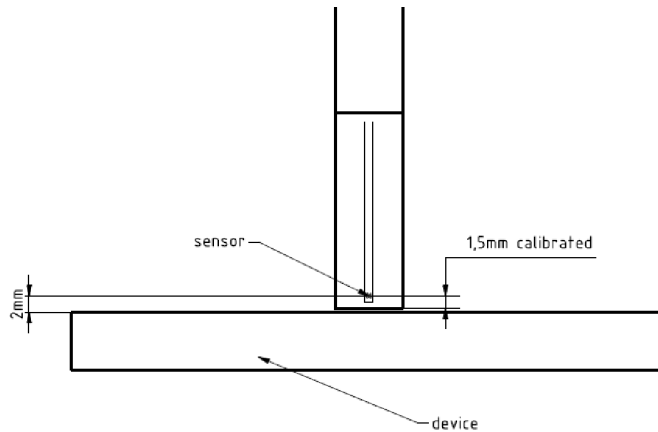




Figure D-2
EUmmWVx Probe

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: A3LSMS908U	 <small>Proud to be part of element</small>	NEAR-FIELD POWER DENSITY EVALUATION REPORT	 Approved by: Technical Manager
Test Dates: 10/19/2021 – 11/15/2021	DUT Type: Portable Handset	Page 2 of 8	

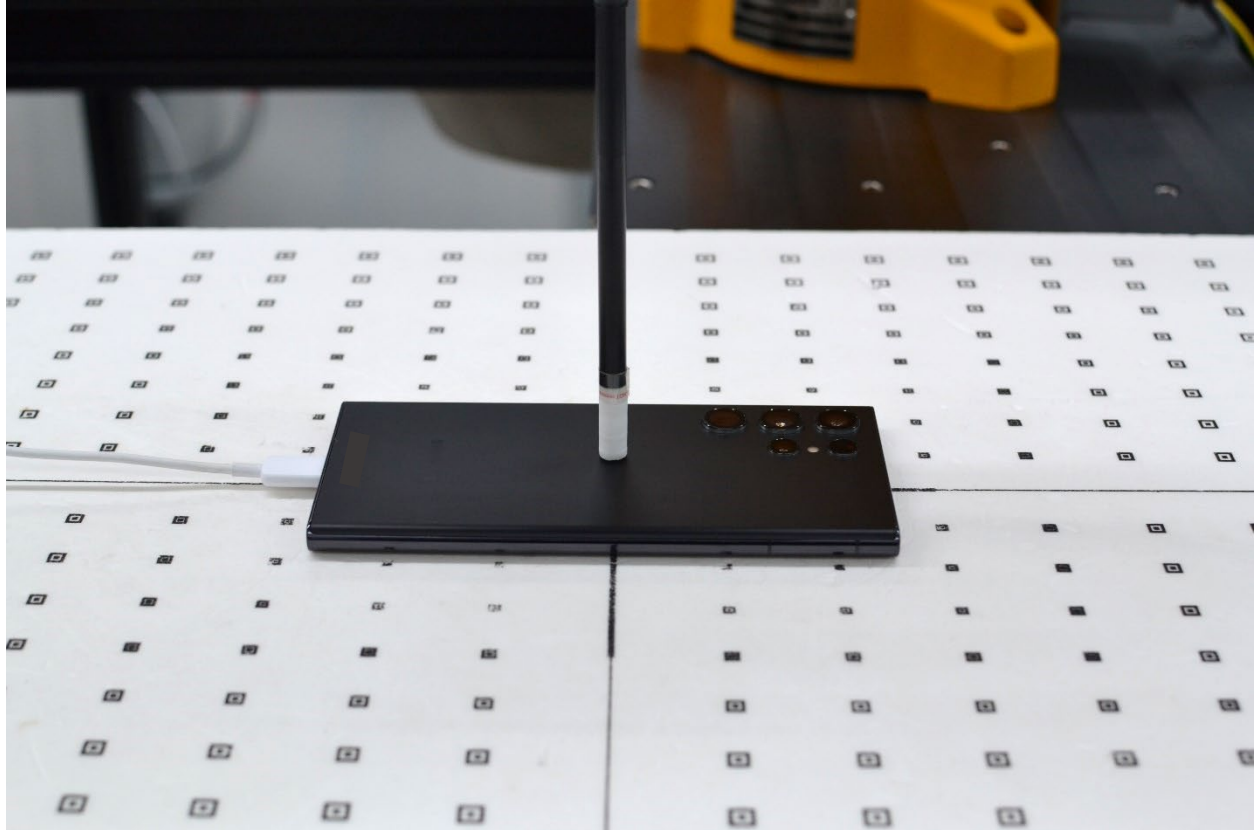






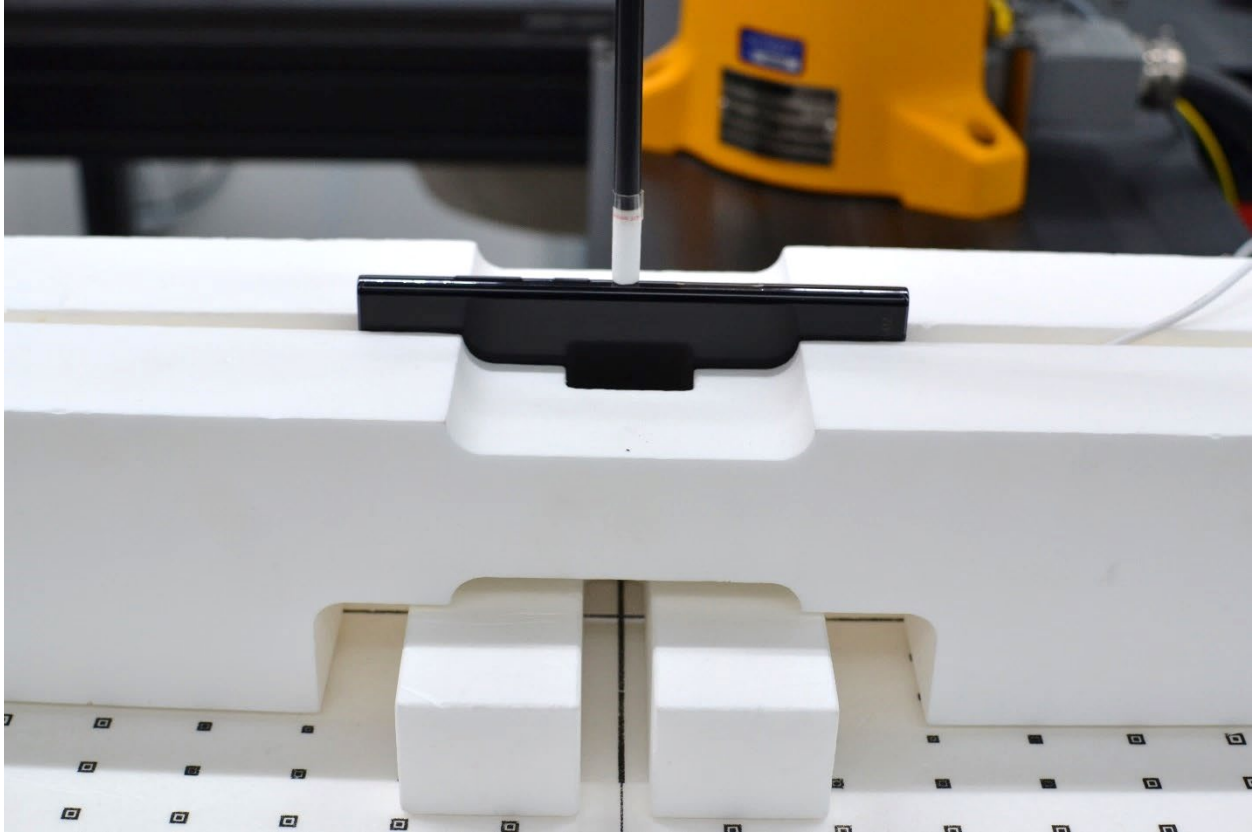
Figure D-3
Near Field Power Density Test Setup Photo – Back Side at 2mm

FCC ID: A3LSMS908U		NEAR-FIELD POWER DENSITY EVALUATION REPORT	 Approved by: Technical Manager
Test Dates: 10/19/2021 – 11/15/2021	DUT Type: Portable Handset		Page 3 of 8





**Figure D-4
Near Field Power Density Test Setup Photo – Front Side at 2mm**

FCC ID: A3LSMS908U		NEAR-FIELD POWER DENSITY EVALUATION REPORT	 Approved by: Technical Manager
Test Dates: 10/19/2021 – 11/15/2021	DUT Type: Portable Handset		Page 4 of 8



**Figure D-5
Near Field Power Density Test Setup Photo –Right Edge at 2mm**

FCC ID: A3LSMS908U		NEAR-FIELD POWER DENSITY EVALUATION REPORT	 Approved by: Technical Manager
Test Dates: 10/19/2021 – 11/15/2021	DUT Type: Portable Handset		Page 5 of 8

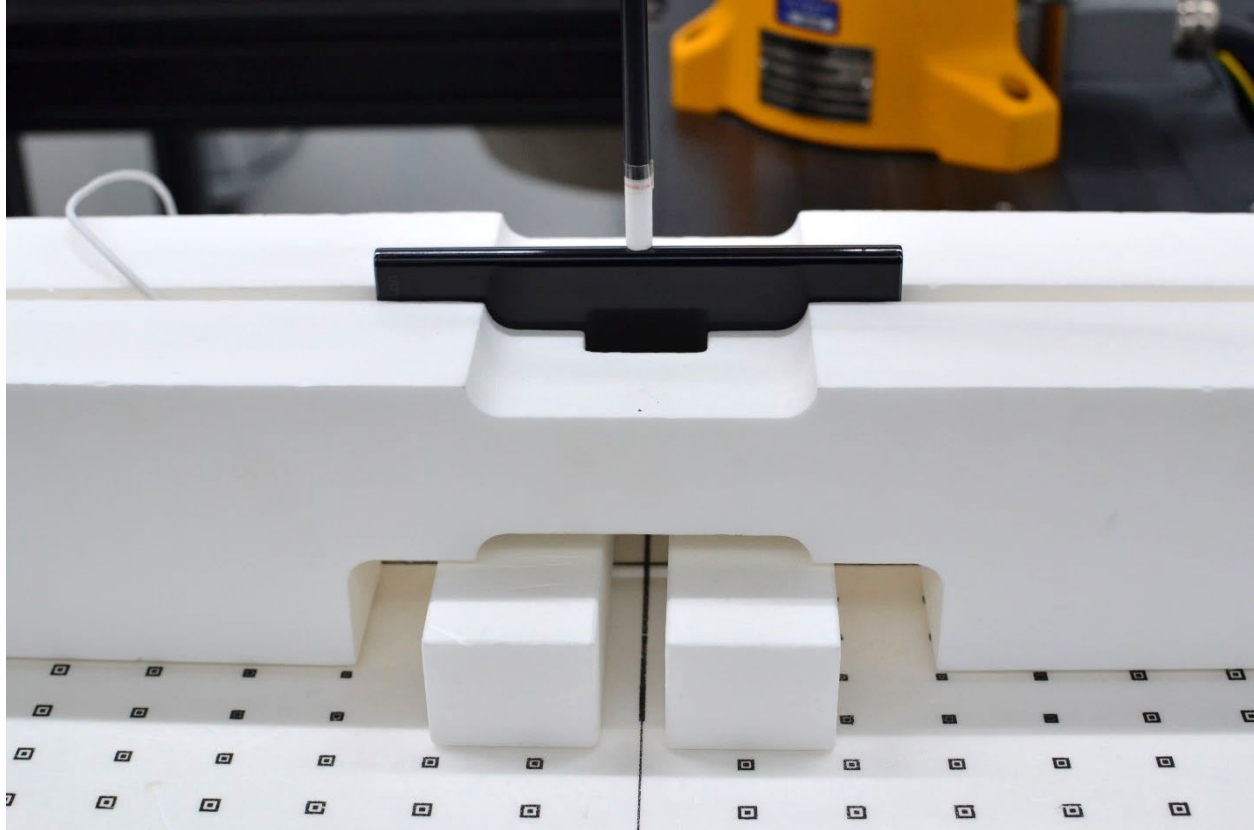


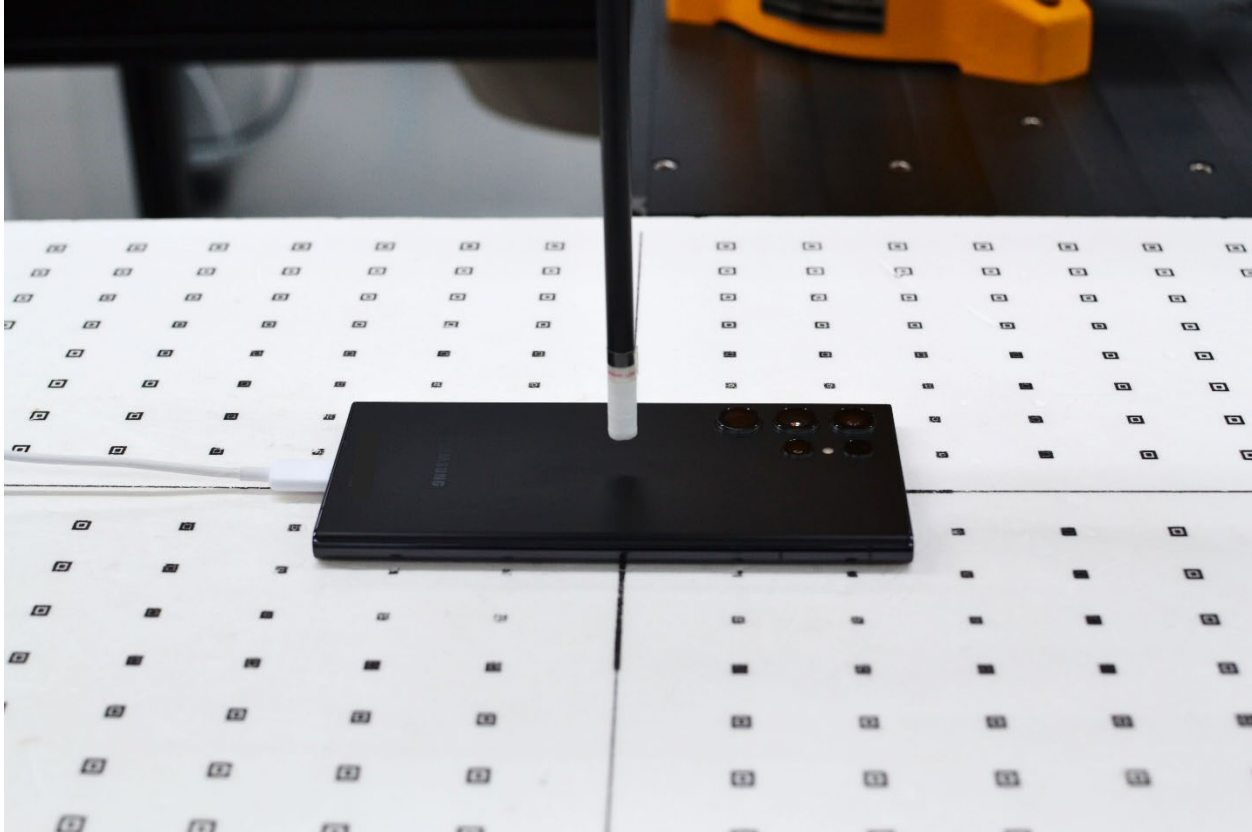




Figure D-6
Near Field Power Density Test Setup Photo – Left Edge at 2mm

FCC ID: A3LSMS908U		NEAR-FIELD POWER DENSITY EVALUATION REPORT	 Approved by: Technical Manager
Test Dates: 10/19/2021 – 11/15/2021	DUT Type: Portable Handset		Page 6 of 8



**Figure D-7
Near Field Power Density Test Setup Photo – Back Side at 10mm**

FCC ID: A3LSMS908U		NEAR-FIELD POWER DENSITY EVALUATION REPORT	 Approved by: Technical Manager
Test Dates: 10/19/2021 – 11/15/2021	DUT Type: Portable Handset		Page 7 of 8

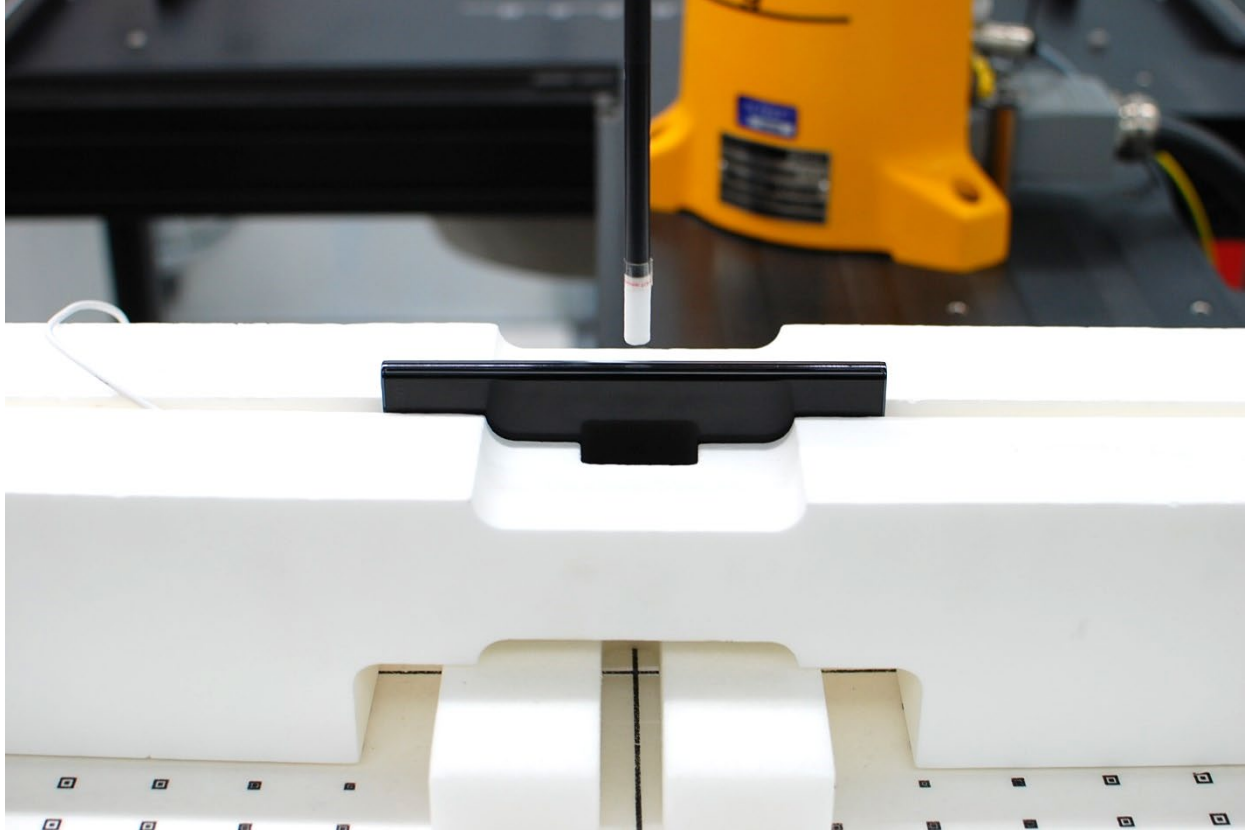




Figure D-8
Near Field Power Density Test Setup Photo – Left Edge at 10mm

FCC ID: A3LSMS908U		NEAR-FIELD POWER DENSITY EVALUATION REPORT	 Approved by: Technical Manager
Test Dates: 10/19/2021 – 11/15/2021	DUT Type: Portable Handset		Page 8 of 8