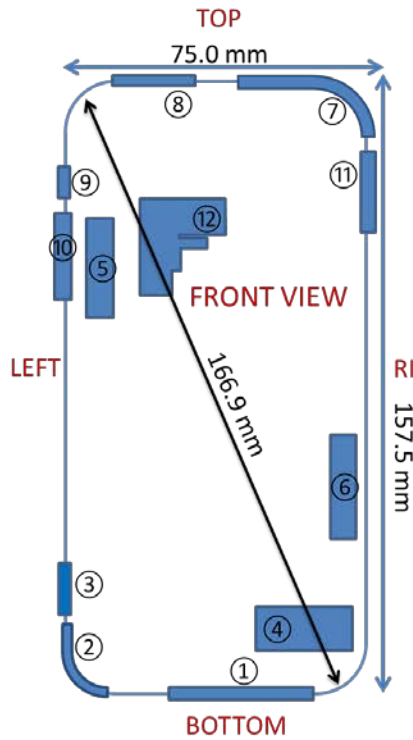


APPENDIX E: DUT ANTENNA DIAGRAM & TEST SETUP PHOTOGRAPHS

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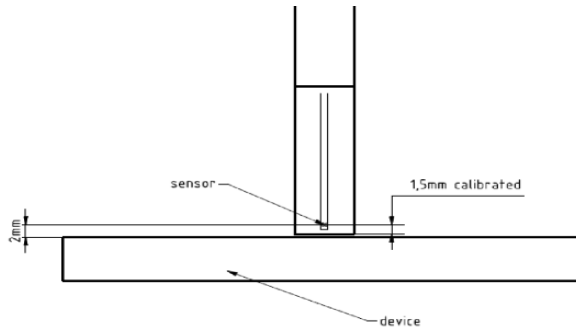
REV 2.0



- 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 n2/5/12/25/26/30/66/71
 6. NR Band n29 (Rx only)
- ② Main Band Antenna II Tx/Rx (Ant B)
 1. NR Band n41 (SRS)
 2. LTE Band 7/38/41
 3. NR Band n7
 4. NR Band n41/38 (Tx Hopping)
 5. NR Band n41 (Rx Only)
 6. NR Band n38 (Rx Only)
- ③ Main Band Antenna III Tx/Rx (Ant C)
 1. NR Band n48/77 (SRS)
 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 n48/77 (Rx Only)
- ④ Main Band Antenna IV Tx/Rx (Ant D)
 1. NR Band n41/48/77 (SRS)
 2. LTE Band 41/48 4x4 MIMO (Rx Only)
 3. NR Band n41/48/77 4x4 MIMO (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 Tx/Rx (Ant E)
 1. NR Band n41 (SRS)
 2. LAA Band 46 (Rx Only)
 3. GSM/GPRS/EDGE 850 MHz (Rx Only)
 4. UMTS Band V (Rx Only)
 5. LTE Band 5/12/13/14/26/29/71 (Rx Only)
 6. NR Band n5/12/26/29/71 (Rx Only)
 7. NR Band n41 4x4 MIMO (Rx Only)
 8. LTE Band 41 4x4 MIMO (Rx Only)
 9. 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)
 2. NR Band n38/41/48/77
 3. NR Band n2/7/25/30/66 (Tx Hopping)
 4. GSM/GPRS/EDGE 1900 MHz (Rx Only)
 5. UMTS Band II/IV (Rx Only)
 6. LTE Band 2/4/7/25/30/38/41/66 (Rx Only)
 7. LTE Band 48
 8. NR Band n2/7/25/30/66 (Rx Only)
 9. GPS L1 (Rx Only)
- ⑨ Sub Antenna IV Tx/Rx (Ant H)
 1. 2.4 GHz WLAN Ant 1
 2. 2.4 GHz Bluetooth Ant 1
 3. LTE B2/4/25/30/66 4x4 MIMO (Rx Only)
 4. NR Band n2/25/30/66 4x4 MIMO (Rx Only)
 5. GPS L5
 6. 5 GHz WLAN Ant 1
 7. 6 GHz WLAN Ant 1
 8. LAA Band 46 (Rx Only)
- ⑩ Sub Antenna V Tx/Rx (Ant I)
 1. NR Band n48/77 (SRS)
 2. LTE Band 48 4x4 MIMO (Rx Only)
 3. NR Band n48/77 4x4 MIMO (Rx Only)
 4. UWB Ant 1
- ⑪ Sub Antenna VI Tx/Rx (Ant J)
 1. 2.4 GHz WLAN Ant 2
 2. 2.4 GHz Bluetooth Ant 2
- ⑫ 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.

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

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

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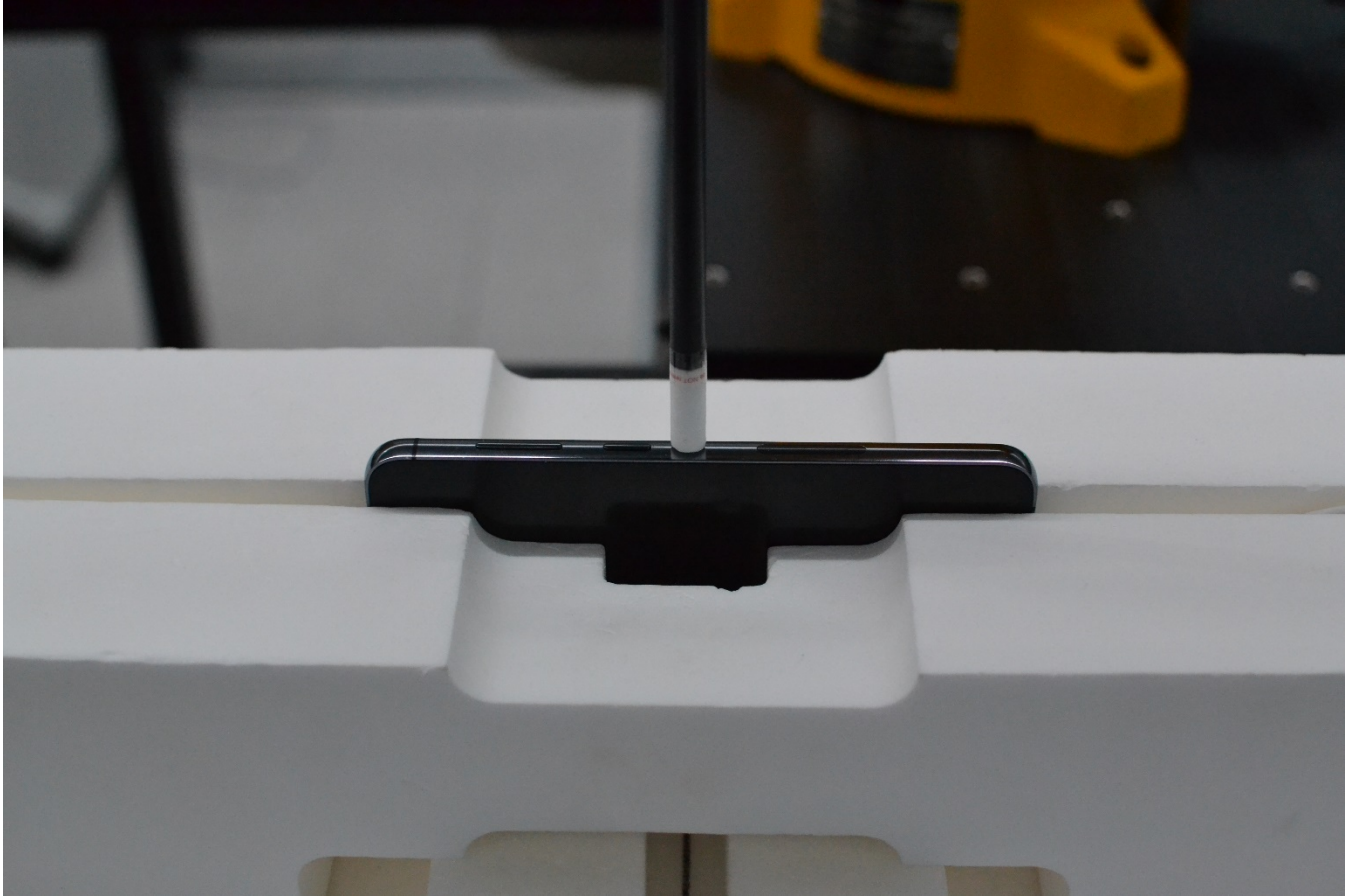


Figure E-6
Near Field Power Density Test Setup Photo – Right Edge at 2 mm

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