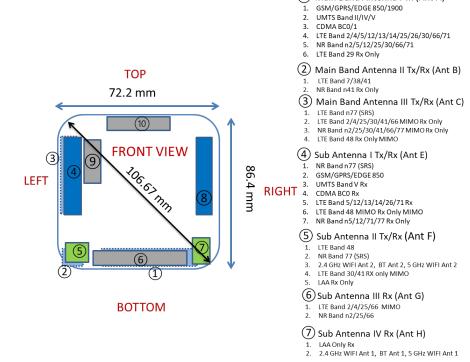
## APPENDIX D: DUT ANTENNA DIAGRAM & TEST SETUP PHOTOGRAPHS

| FCC ID: A3LSMF711U      | Proud to be part of @ element | NEAR-FIELD POWER DENSITY<br>EVALUATION REPORT | SAMSUNG | Approved by: Technical Manager |
|-------------------------|-------------------------------|---|---------|--------------------------------|
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8 Sub Antenna V Tx/Rx (Ant I)

NR Band n2/25/41/66 NR Band n77 (SRS)

NR Band n2/25/30/41/66 Rx Only GSM/GPRS/EDGE 1900 Rx Only

UMTS Band II/IV Rx Only CDMA BC1 Rx Only

9 (Ant K) NR mmW n260/261 Tx/Rx

(10) (Ant L) NR mmW n260/261 Tx/Rx

## Figure D-1 **DUT Antenna Locations - Closed**

(1) Main Band Antenna I Tx (Ant A)

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

| FCC ID: A3LSMF711U      | Proud to be part of selement | NEAR-FIELD POWER DENSITY<br>EVALUATION REPORT | SAMSUNG | Approved by: Technical Manager |
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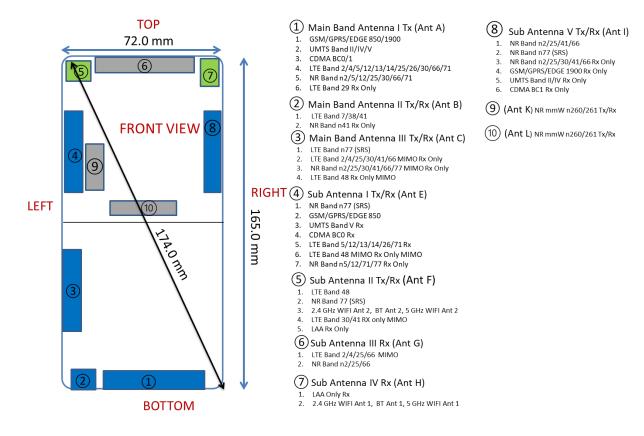


Figure D-2
DUT Antenna Locations - Open

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

| FCC ID: A3LSMF711U      | Proud to be part of @ element | NEAR-FIELD POWER DENSITY<br>EVALUATION REPORT | SAMSUNG | Approved by: Technical Manager |
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| Test Dates:             | DUT Type:                     |   |         | APPENDIX D:                    |
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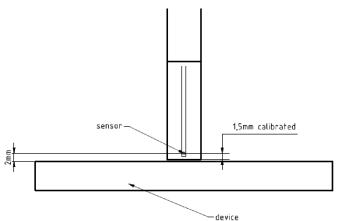


Figure D-3

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: A3LSMF711U      | Proud to be part of @ element | NEAR-FIELD POWER DENSITY<br>EVALUATION REPORT | SAMSUNG | Approved by: Technical Manager |
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| Test Dates:             | DUT Type:                     |   |         | APPENDIX D:                    |
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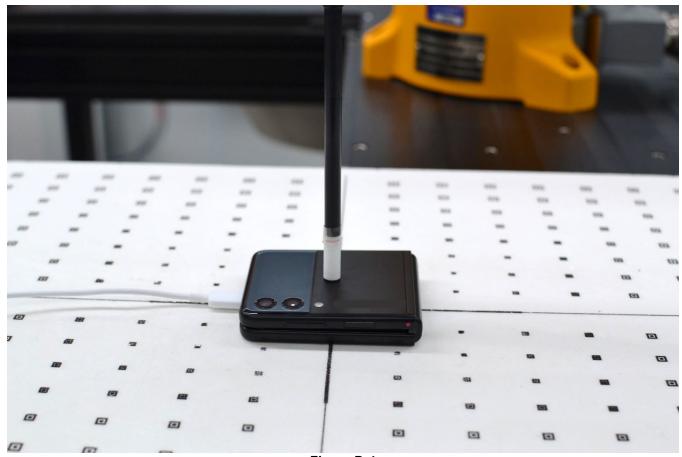


Figure D-4
Near Field Power Density Test Setup Photo – Front Side Closed at 2mm

| FCC ID: A3LSMF711U      | Proud to be part of @ element | NEAR-FIELD POWER DENSITY<br>EVALUATION REPORT | SAMSUNG | Approved by: Technical Manager |
|-------------------------|-------------------------------|---|---------|--------------------------------|
| Test Dates:             | DUT Type:                     |   |         | APPENDIX D:                    |
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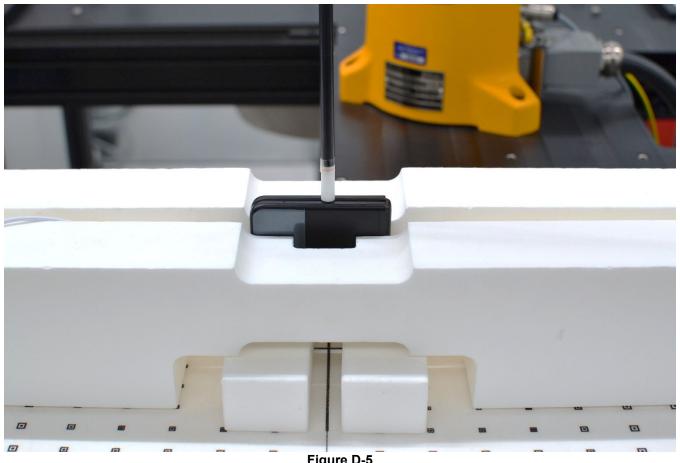


Figure D-5
Near Field Power Density Test Setup Photo – Left Edge Closed at 2mm

| FCC ID: A3LSMF711U      | PCTEST* Proud to be part of @ element | NEAR-FIELD POWER DENSITY<br>EVALUATION REPORT | SAMSUNG | Approved by: Technical Manager |
|-------------------------|---------------------------------------|---|---------|--------------------------------|
| Test Dates:             | DUT Type:                             |   |         | APPENDIX D:                    |
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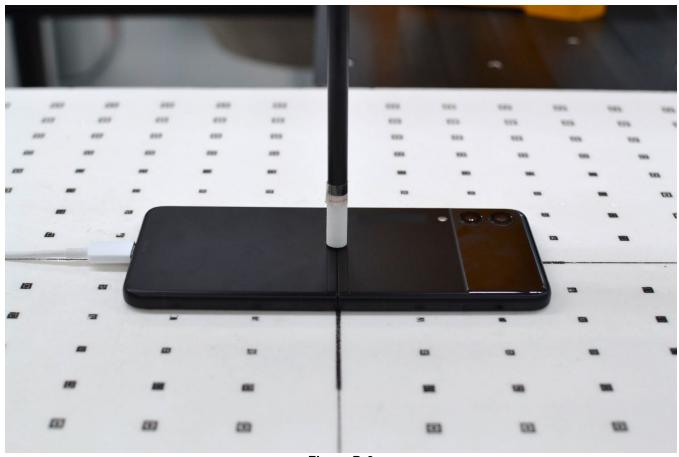


Figure D-6
Near Field Power Density Test Setup Photo – Back Side Open at 2mm

| FCC ID: A3LSMF711U      | Poud to be part of element | NEAR-FIELD POWER DENSITY<br>EVALUATION REPORT | SAMSUNG | Approved by: Technical Manager |
|-------------------------|----------------------------|---|---------|--------------------------------|
| Test Dates:             | DUT Type:                  |   |         | APPENDIX D:                    |
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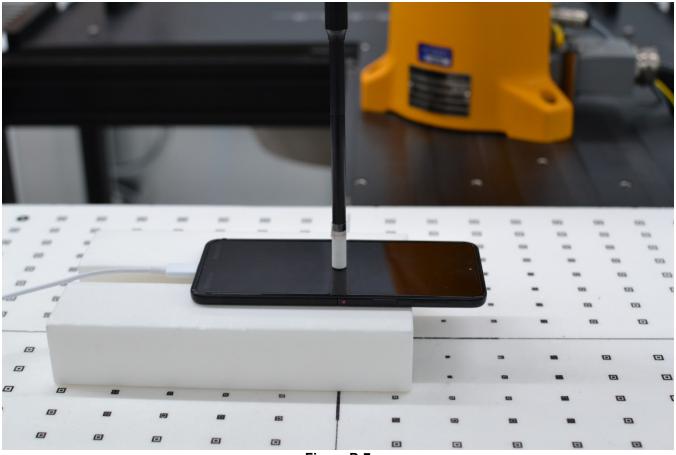


Figure D-7
Near Field Power Density Test Setup Photo – Front Side Open at 2mm

|   | FCC ID: A3LSMF711U      | PCTEST*          | NEAR-FIELD POWER DENSITY<br>EVALUATION REPORT | SAMSUNG | Approved by: Technical Manager |
|---|-------------------------|------------------|---|---------|--------------------------------|
|   | Test Dates:             | DUT Type:        |   |         | APPENDIX D:                    |
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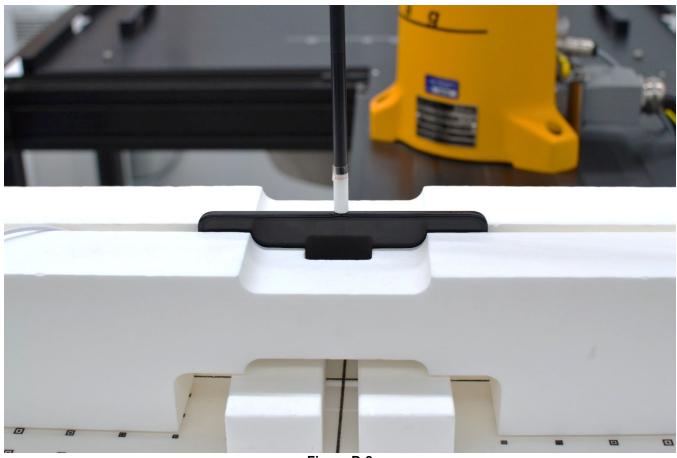


Figure D-8 Near Field Power Density Test Setup Photo – Left Edge Open at 2mm

| FCC ID: A3LSMF711U      | PCTEST* Proud to be part of @ element | NEAR-FIELD POWER DENSITY<br>EVALUATION REPORT | SAMSUNG | Approved by: Technical Manager |
|-------------------------|---------------------------------------|---|---------|--------------------------------|
| Test Dates:             | DUT Type:                             |   |         | APPENDIX D:                    |
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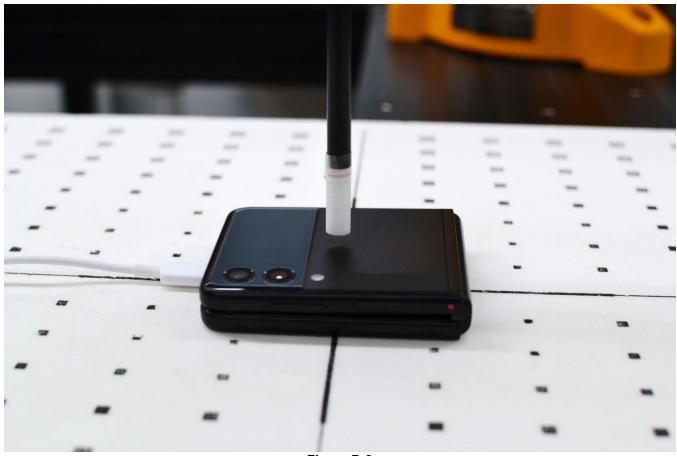


Figure D-9
Near Field Power Density Test Setup Photo – Front Side Closed at 5mm

| FCC ID: A3LSMF711U      | Proud to be part of selement | NEAR-FIELD POWER DENSITY<br>EVALUATION REPORT | SAMSUNG | Approved by: Technical Manager |
|-------------------------|------------------------------|---|---------|--------------------------------|
| Test Dates:             | DUT Type:                    |   |         | APPENDIX D:                    |
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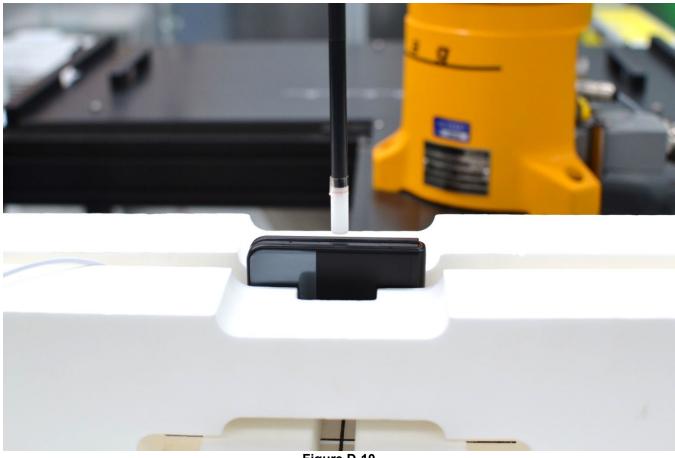


Figure D-10
Near Field Power Density Test Setup Photo – Left Edge Closed at 5mm

| FCC ID: A3LSMF711U      | PCTEST* Proud to be part of element | NEAR-FIELD POWER DENSITY<br>EVALUATION REPORT | SAMSUNG | Approved by: Technical Manager |
|-------------------------|-------------------------------------|---|---------|--------------------------------|
| Test Dates:             | DUT Type:                           |   |         | APPENDIX D:                    |
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