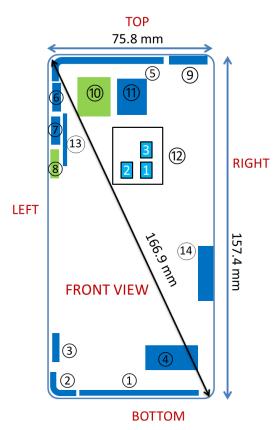
# APPENDIX F: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS

FCC ID A3LSMS906U	PCTEST* Proud to be part of @ dismert	SAR EVALUATION REPORT	SAMSUNG	Approved by:  Quality Manager
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#### 1 Main Band Antenna I Tx/Rx (Ant A)

- 1. GSM/GPRS/EDGE 850/1900
- UMTS Band 2/4/5 LTE Band 2/4/5/12/13/14/25/26/30/66/71 NR Band n2/5/12/25/30/66/71
- 4.
- LTE Band 29 Rx Only

#### 2 Main Band Antenna II Tx/Rx (Ant B)

- LTE Band 7/38/41
- NR Band n7
- NR Band n41 Tx/Rx (SRS Only)
  NR Band n38 Rx Only

## 3 Main Antenna III Tx/Rx (Ant C)

- NR Band n77 Tx/Rx (SRS Only) LTE Band 2/4/25/66/30 MIMO Rx Only NR Band n2/25/30/66 MIMO Rx Only
- LTE Band 48 Rx Only
- NR Band n48/77 Rx Only

#### 4 Main Antenna IV Tx/Rx (Ant D)

- 1. NR Band n41/77 Tx/Rx (SRS Only)
- NR Band n41/48/77 MIMO Rx Only
- 3. LTE Band 41/48 MIMO Rx Only

#### 5 Sub Antenna I Tx/Rx (Ant E)

- NR Band n41 Tx/Rx (SRS Only) GSM/GPRS/EDGE 850 Rx Only
- WCDMA B5 Rx Only
- LTE Band 5/12/13/14/26/29/71 Rx Only
- LTE Band 2/4/25/30/41/66 MIMO Rx Only NR Band n5/12/71 Rx Only
- NR Band n2/25/30/66/41 MIMO Rx Only

#### 6 Sub Antenna II Tx/Rx (Ant F)

- 1. LTE Band 48 Tx/Rx 2. NR Band n48/77 Tx/Rx

#### 7 Sub Antenna III Tx/Rx (Ant G)

#### 8 Sub Antenna IV Tx/Rx WIFI/BT #2 (Ant H)

- 1. 2.4 GHz WLAN/Bluetooth Tx/Rx
- 5/6 GHz WLAN Tx/Rx
- LTE Band 46 Rx Only
- GPS L5 Rx Only

#### 9 Sub Antenna V Tx/Rx (Ant I)

- NR Band n2/25/30/66/38/41 Tx/Rx
- NR Band n7 Rx Only
- GSM/GPRS/EDGE 1900 Rx Only
- WCDMA B2/4 Rx Only LTE Band 2/4/7/25/30/38/41/66 Rx Only
- GPS L1 Rx Only

## 10 Sub Antenna VI Tx/Rx WIFI/BT #1 (Ant J)

- 2.4 GHz WLAN/Bluetooth Tx/Rx
- 5/6 GHz WLAN Tx/Rx LTE Band 46 Rx Only

#### 11 Sub Antenna VII Tx/Rx (Ant K)

- 1. NR Band n77 Tx/Rx (SRS Only)
- LTE Band 48 MIMO Rx Only
- NR Band n77 MIMO Rx Only

#### 12. UWB #2 Tx/Rx (Ant L)

- 1. Tx/Rx
- 2. Rx Only
- 3. Rx Only

#### 13 mmWave Tx/Rx (Ant M)

1. NR mmW n258/260/261 Tx/Rx

#### 14 mmWave Tx/Rx (Ant N)

1. NR mmW n258/260/261 Tx/Rx

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

# Figure F-1 **DUT Antenna Locations**

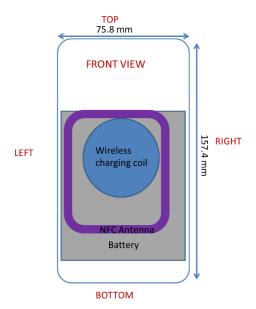
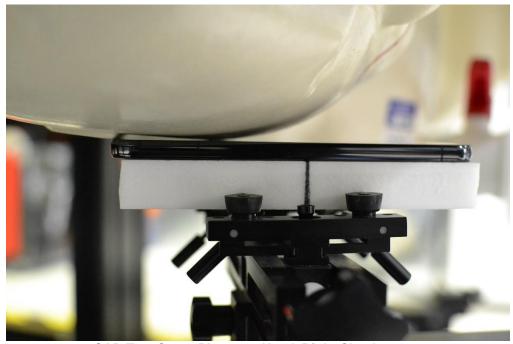
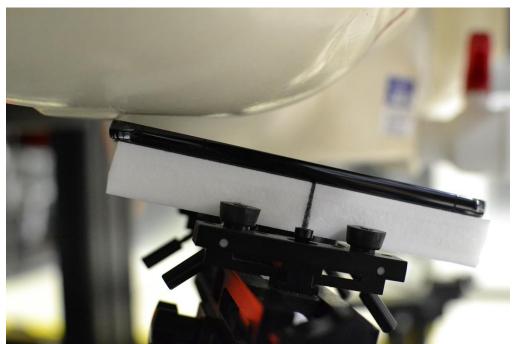


Figure F-2 **NFC Antenna Locations** 

FCC ID A3LSMS906U	PCTEST* Prood to be part of @ element	SAR EVALUATION REPORT	SAMSUNG	Approved by: Quality Manager
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SAR Test Setup Photo 1 - Head, Right Cheek, 0 mm

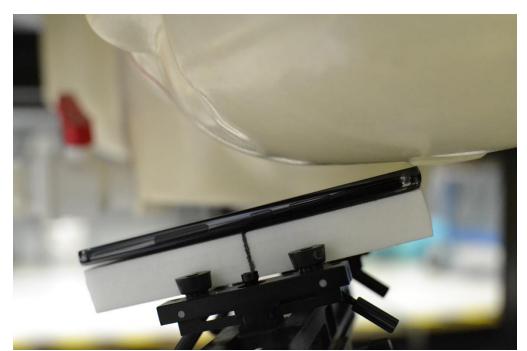


SAR Test Setup Photo 2 - Head, Right Tilt, 0 mm

FCC ID A3LSMS906U	PCTEST SAR EVALUATION F	REPORT	Approved by: Quality Manager
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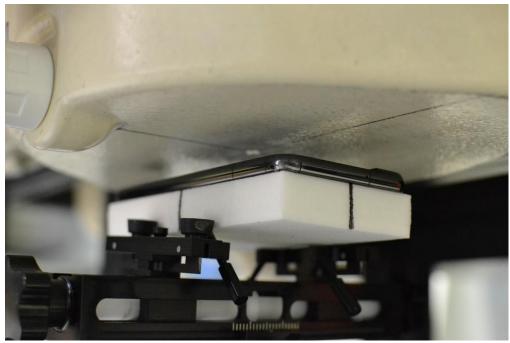


SAR Test Setup Photo 3 - Head, Left Cheek, 0 mm

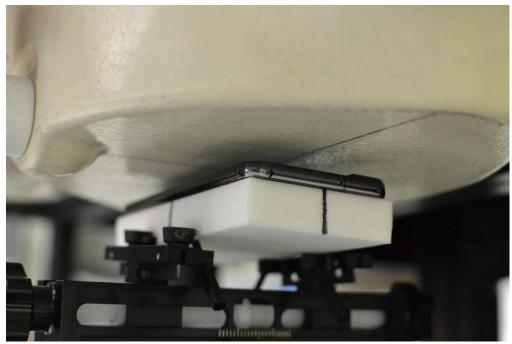


SAR Test Setup Photo 4 - Head, Left Tilt, 0 mm

FCC ID A3LSMS906U	PCTEST SAR EVALUATION OF THE PROPERTY OF THE P	TION REPORT SAMSUNG	Approved by: Quality Manager
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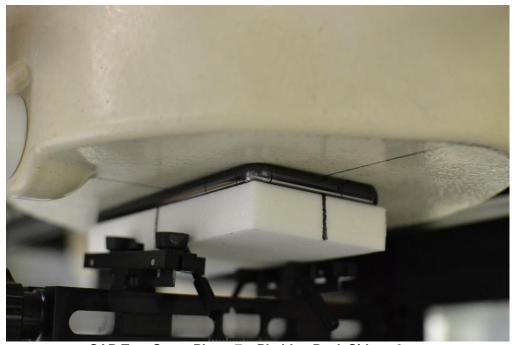


SAR Test Setup Photo 5 – Body-worn, Back Side at 15mm

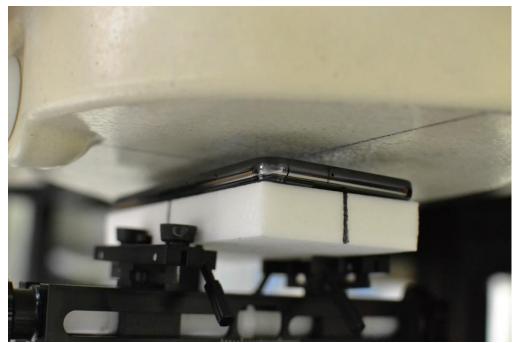


SAR Test Setup Photo 6 – Hotspot, Back Side at 10mm

FCC ID A3LSMS906U	PCTEST SAR EVALUATION R	EPORT SAMSUNG	Approved by: Quality Manager
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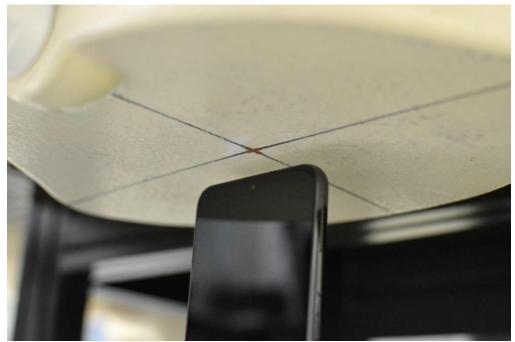


SAR Test Setup Photo 7 - Phablet, Back Side at 0mm

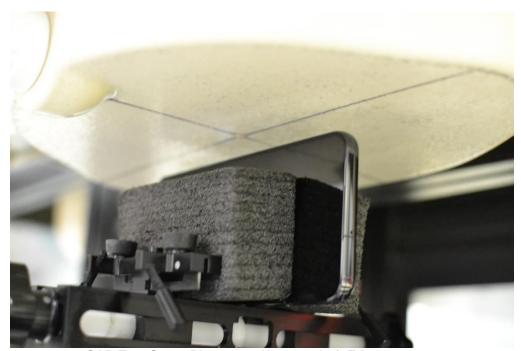


SAR Test Setup Photo 8 – Hotspot, Front Side at 10mm

FCC ID A3LSMS906U	PCTEST* Proud to be part of the element	EVALUATION REPORT	SAMSUNG	Approved by: Quality Manager
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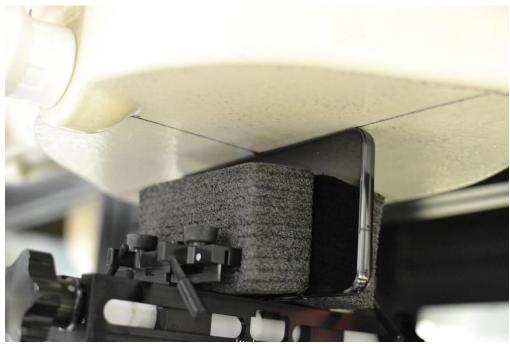


SAR Test Setup Photo 9 – Hotspot, Top Edge at 10mm



SAR Test Setup Photo 10 – Hotspot, Left Edge at 10mm

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SAR Test Setup Photo 11 - Phablet, Left Edge at 0mm

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SAR Test Setup Photo 12 - Reference Lines

FCC ID A3LSMS906U	PCTEST*  Post to be part of @ manager  SAR EVALUATION REPORT	Approved by:
	,	Quality Manager
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