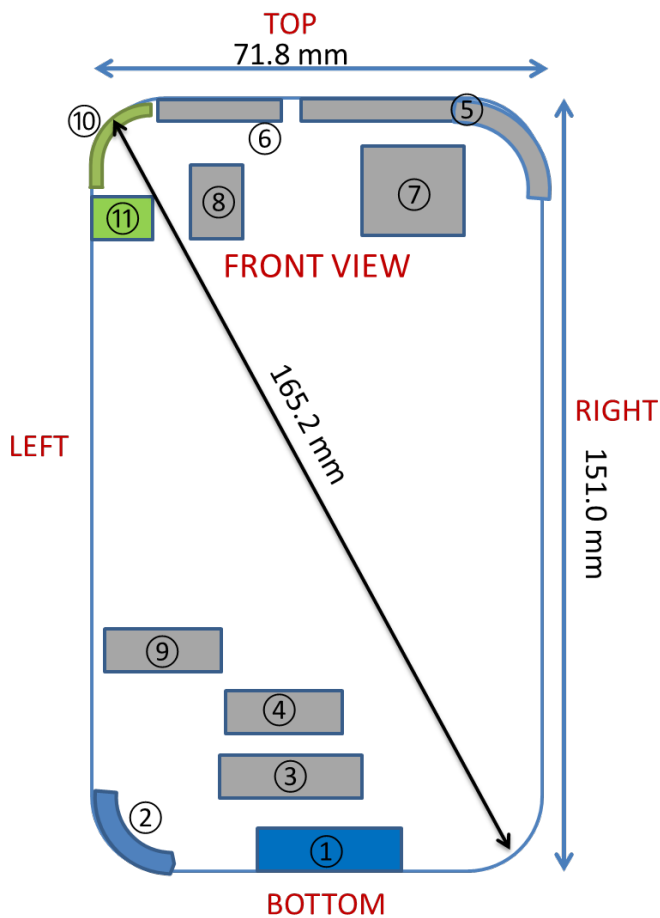


APPENDIX F: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS

FCC ID A3LSMN970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 05/30/19 - 07/03/19	DUT Type: Portable Handset	APPENDIX F: Page 1 of 14		



- ① Main Band Antenna A Tx/Rx
 1. CDMA/EVDO BC0, BC10, BC1 Tx/Rx
 2. GSM/GPRS/EDGE 850/1900 MHz Tx/Rx
 3. UMTS Band II/IV/V Tx/Rx
 4. LTE Band 2/4/5/12/13/14/25/26/30/66/71 Tx/Rx
 5. LTE Band 29 Rx Only
- ② Main Band Antenna B Tx/Rx
 1. LTE Band 7/38/41/48 Tx/Rx
- ③ Sub Antenna C Rx Only
 1. LTE Band 2/4/25/66 Rx Only (4x4 DL MIMO)
- ④ Sub Antenna D Rx Only
 1. LTE Band 7/30/41 Rx Only (4x4 DL MIMO)
- ⑤ Sub Antenna E Rx Only
 1. CDMA/EVDO BC0, BC10 Rx Only
 2. GSM/GPRS/EDGE 850 MHz Rx Only
 3. UMTS Band V Rx Only
 4. LTE Band 5/12/13/14/26/29/71 Rx Only
 5. LTE Band 7/30/41/48 Rx Only (4x4 DL MIMO)
- ⑥ Sub Antenna F Rx Only
 1. GSM/GPRS/EDGE 1900 MHz Rx Only
 2. CDMA/EVDO BC1 Rx Only
 3. UMTS B2/4 Rx Only
 4. LTE Band 2/4/7/25/30/38/41/66 Rx Only
 5. GPS Rx Only
- ⑦ Sub Antenna G Rx Only
 1. LTE Band 2/4/25/66 Rx Only (4x4 DL MIMO)
- ⑧ Sub Antenna H Rx Only
 1. LTE Band 48 Rx Only
- ⑨ Sub Antenna I Rx Only
 1. LTE Band 48 Rx Only (4x4 DL MIMO)
- ⑩ WIFI Antenna I Tx/Rx
 1. 2.4/5 GHz WIFI Tx/Rx
 2. BT/ANT+ Tx/Rx
 3. LTE Band 46 (LAA) Rx Only
- ⑪ WIFI Antenna II Tx/Rx
 1. 2.4/5 GHz WIFI Tx/Rx
 2. LTE Band 46 (LAA) Rx Only

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

Figure F-1
DUT Antenna Locations

FCC ID A3LSMN970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 05/30/19 - 07/03/19	DUT Type: Portable Handset			APPENDIX F: Page 2 of 14

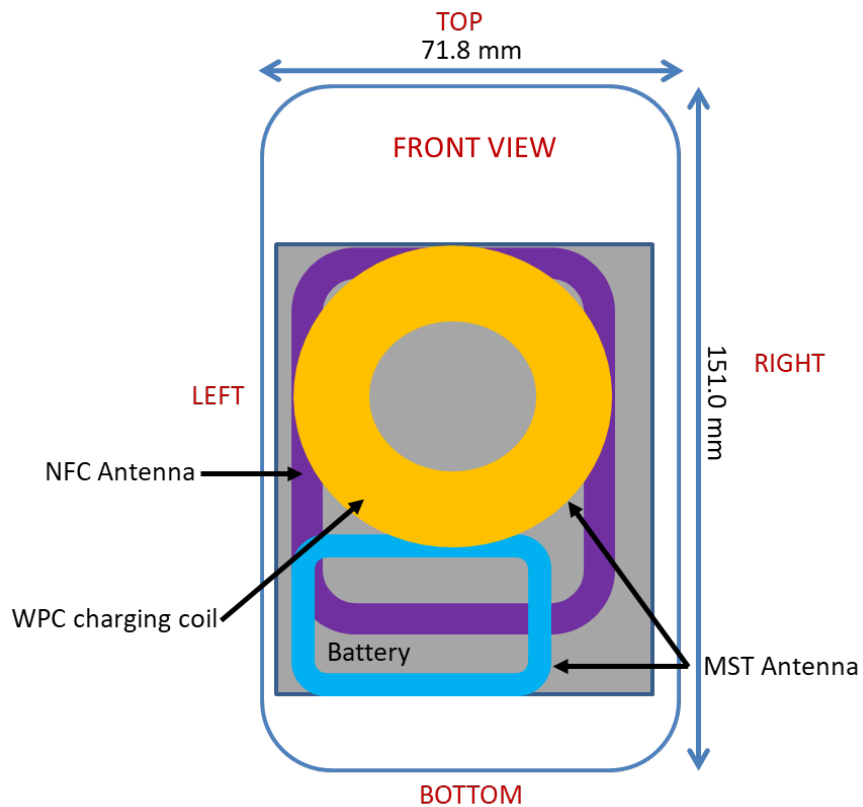
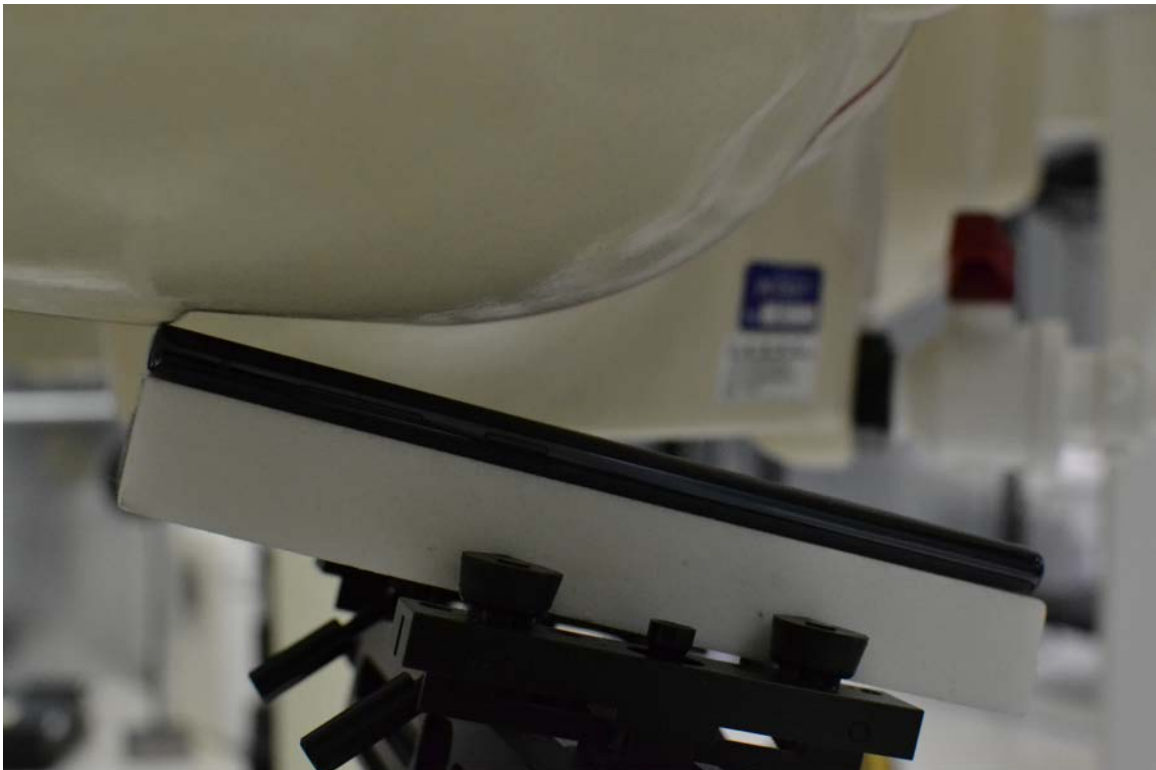


Figure F-2
NFC Antenna Locations

FCC ID A3LSMN970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 05/30/19 - 07/03/19	DUT Type: Portable Handset			APPENDIX F: Page 3 of 14

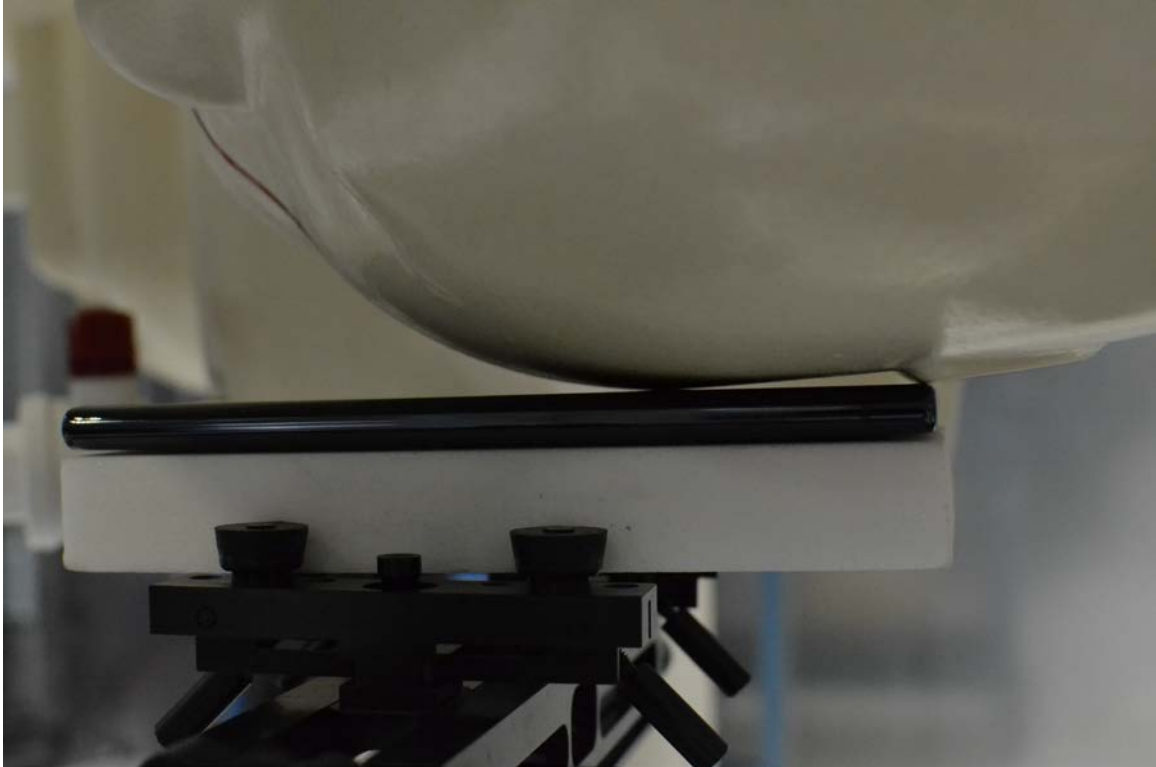


SAR Test Setup Photo 1 – Right Cheek

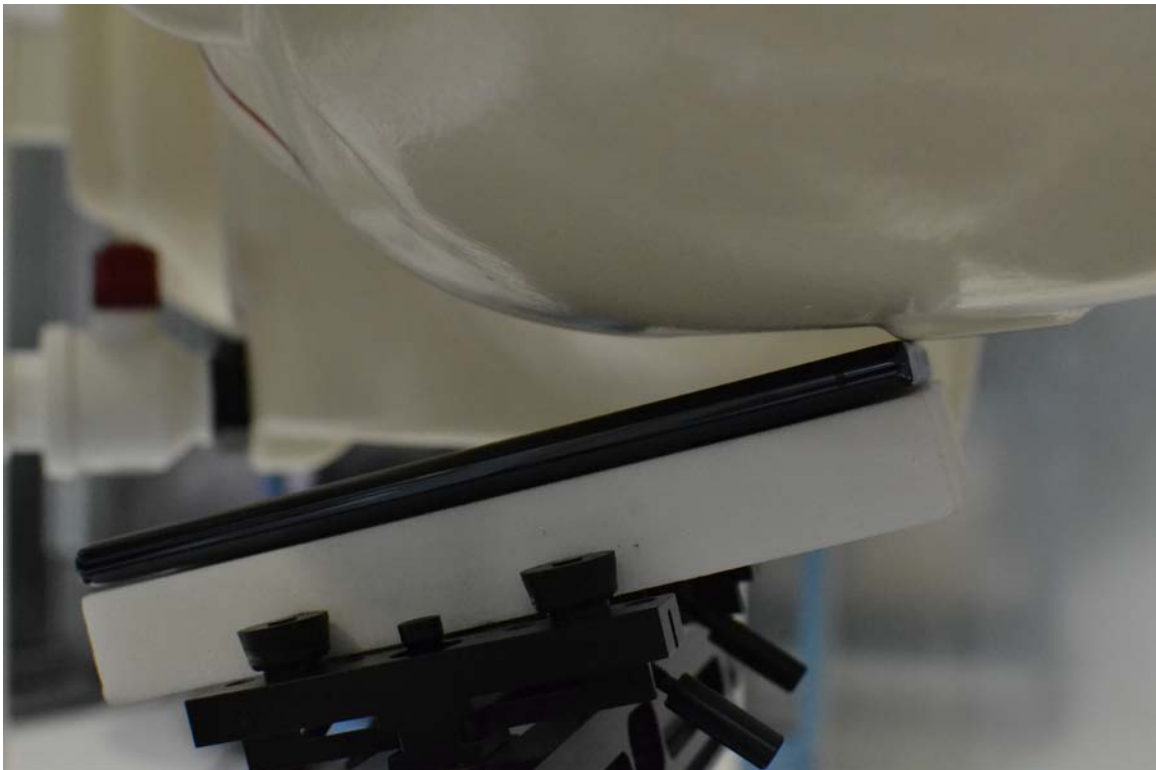


SAR Test Setup Photo 2 – Right Tilt

FCC ID A3LSMN970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 05/30/19 - 07/03/19	DUT Type: Portable Handset			APPENDIX F: Page 4 of 14



SAR Test Setup Photo 3 – Left Cheek

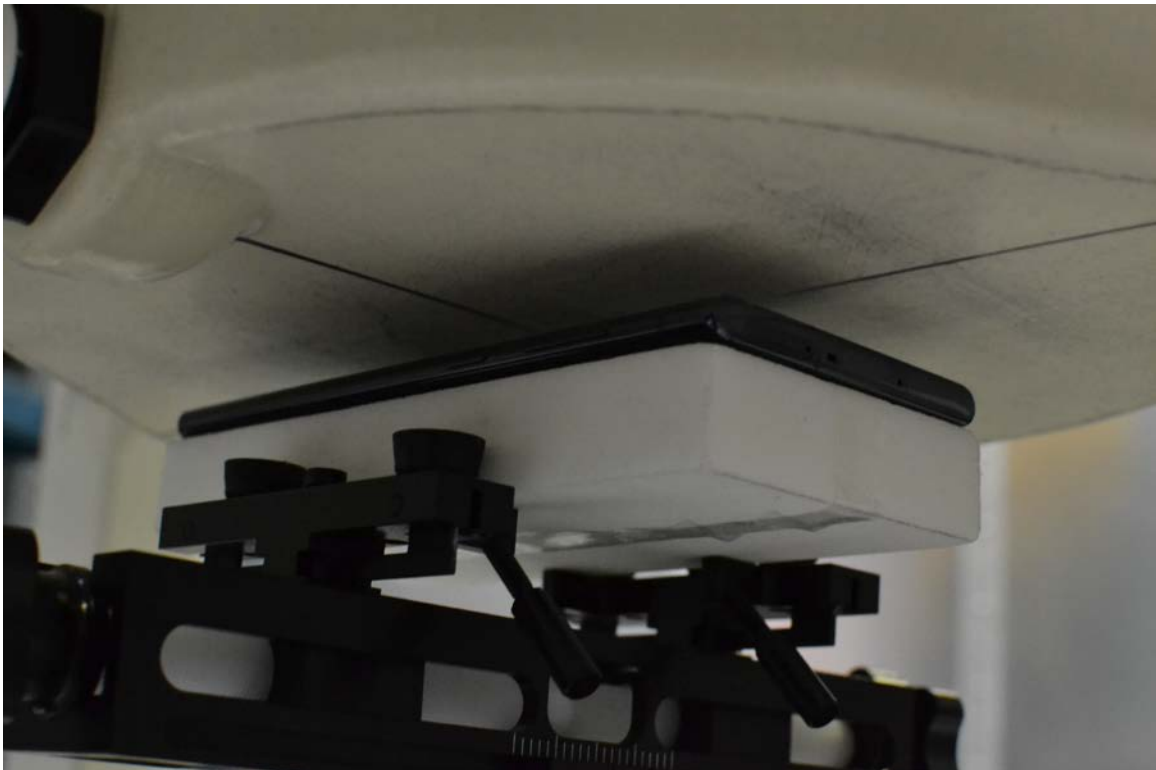


SAR Test Setup Photo 4 – Left Tilt

FCC ID A3LSMN970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 05/30/19 - 07/03/19	DUT Type: Portable Handset			APPENDIX F: Page 5 of 14



SAR Test Setup Photo 5 – Back Side at 15 mm



SAR Test Setup Photo 6 – Back Side at 10 mm

FCC ID A3LSMN970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 05/30/19 - 07/03/19	DUT Type: Portable Handset			APPENDIX F: Page 6 of 14



SAR Test Setup Photo 7 – Back Side at 6 mm



SAR Test Setup Photo 8 – Back Side at 0 mm

FCC ID A3LSMN970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 05/30/19 - 07/03/19	DUT Type: Portable Handset			APPENDIX F: Page 7 of 14



SAR Test Setup Photo 9 – Front Side at 10 mm



SAR Test Setup Photo 10 – Front Side at 4 mm

FCC ID A3LSMN970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 05/30/19 - 07/03/19	DUT Type: Portable Handset			APPENDIX F: Page 8 of 14



SAR Test Setup Photo 11 – Front Side at 0 mm



SAR Test Setup Photo 12 – Top Side at 10 mm

FCC ID A3LSMN970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 05/30/19 - 07/03/19	DUT Type: Portable Handset			APPENDIX F: Page 9 of 14



SAR Test Setup Photo 13 – Top Side at 0 mm



SAR Test Setup Photo 14 – Bottom Side at 10 mm

FCC ID A3LSMN970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 05/30/19 - 07/03/19	DUT Type: Portable Handset			APPENDIX F: Page 10 of 14



SAR Test Setup Photo 15 – Bottom Side at 0 mm



SAR Test Setup Photo 16 – Right Side at 10 mm

FCC ID A3LSMN970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 05/30/19 - 07/03/19	DUT Type: Portable Handset			APPENDIX F: Page 11 of 14



SAR Test Setup Photo 17 – Right Side at 0 mm



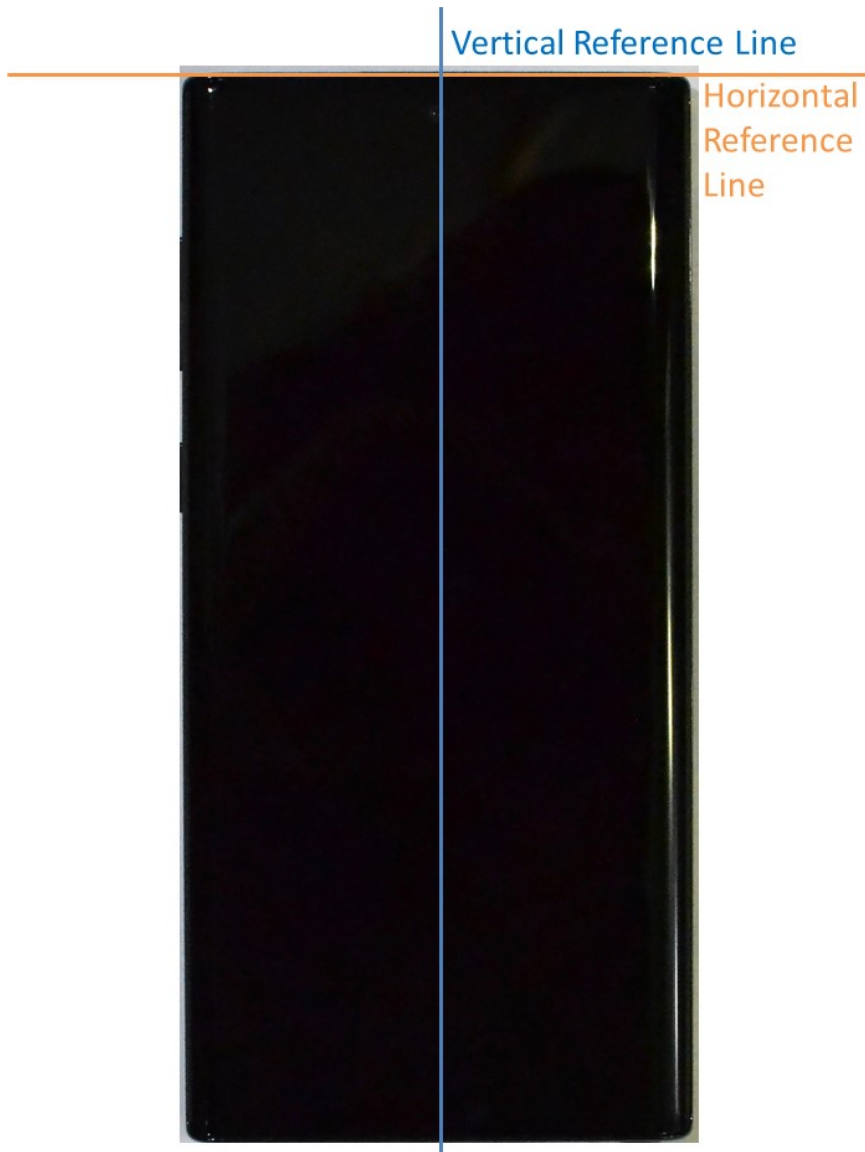
SAR Test Setup Photo 18 – Left Side at 10 mm

FCC ID A3LSMN970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 05/30/19 - 07/03/19	DUT Type: Portable Handset			APPENDIX F: Page 12 of 14



SAR Test Setup Photo 19 – Left Side at 0 mm

FCC ID A3LSMN970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 05/30/19 - 07/03/19	DUT Type: Portable Handset			APPENDIX F: Page 13 of 14



SAR Test Setup Photo 20 – Vertical and Horizontal Reference Lines

FCC ID A3LSMN970U		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 05/30/19 - 07/03/19	DUT Type: Portable Handset			APPENDIX F: Page 14 of 14