



MS ISO/IEC 17025  
TESTING  
SAMM No.0826

**Exhibit 7B: SAR Test Report Photographs**

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*Tiong*

**Tiong Nguk Ing**  
**Deputy Technical Manager (Approved Signatory)**  
**Approval Date: 10/ 13/2018**

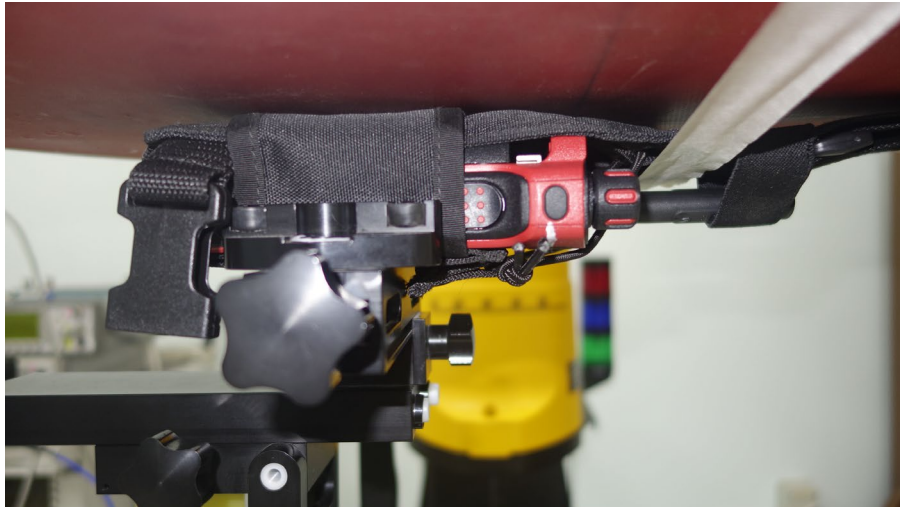
**Report Revision History**

<b>Date</b>	<b>Revision</b>	<b>Comments</b>
10/13/2018	A	Initial release

**1.0 Highest SAR Test Position per body location**

**1.1 Body**

Back of DUT with antenna PMAF4019A with offered battery NNTN8570B and body worn kit HLN6602A against the phantom without an audio accessory attached.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4019A	10	30	33

**1.2 Face**

Front of DUT with antenna PMAF4019A with offered battery NNTN8570B separated 2.5cm from the phantom without an audio accessory attached.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4019A	25	34	34

**1.3 Head**

Front of DUT with antenna PMAF4019A with offered battery NNTN8570B at left ear touch position without an audio accessory attached.



**1.4 Hand**

Not applicable

2.0 Other SAR tested positions at the body

2.1 Body worn

DUT with antenna PMAF4019A with offered battery NNTN8570B and body worn kit RLN4815A.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4019A	27	43	44

DUT with antenna PMAF4019A with offered battery NNTN8570B and body worn kit PMLN7195A.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4019A	7	81	109

DUT with antenna PMAF4019A with offered battery NNTN8570B, and body worn kit PMLN7268A



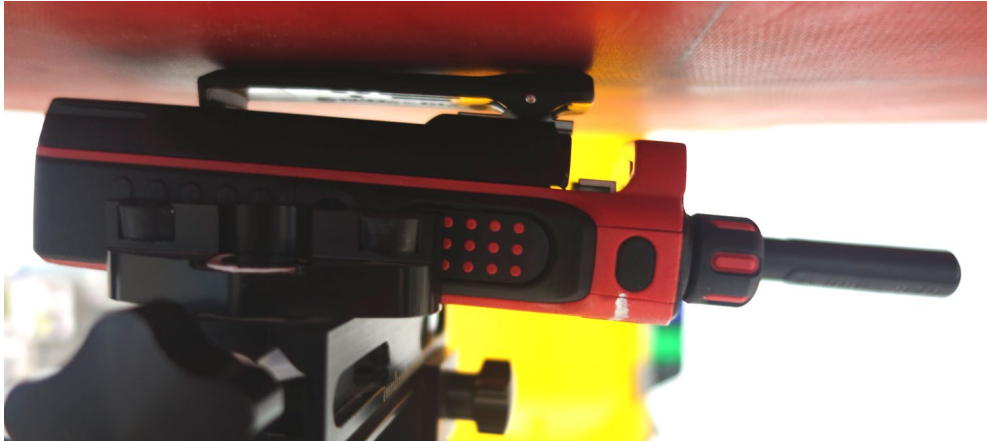
Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4019A	7	78	100

DUT with antenna PMAF4019A with offered battery NNTN8570B, and body worn kit PMLN7268A with NTN5243A Back of radio without belt loop



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4019A	13	40	43

DUT with antenna PMAF4019A with offered battery NNTN8570B, and body worn kit PMLN6086A



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4019A	7	36	44

DUT with antenna PMAF4019A with offered battery NNTN8570B, and body worn kit GMDN0386A with PMLN5004B



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4019A	18	39	42

DUT with antenna PMAF4019A with offered battery NNTN8570B, and body worn kit GMDN0547A with PMLN5004B



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4019A	31	43	42

DUT with antenna PMAF4019A with offered battery NNTN8570B, and body worn kit GMDN0445AC with PMLN5004B



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4019A	23	48	51



DUT with antenna PMAF4019A with offered battery NNTN8570B, and body worn kit WALN4307A with PMLN5004B



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4019A	24	42	45

DUT with antenna PMAF4019A with offered battery NNTN8570B, and body worn kit GMDN0566AC with PMLN5004B



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4019A	3	70	96

DUT with antenna PMAF4019A with offered battery NNTN8570B, and body worn kit GMDN0445AA with PMLN5004B



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4019A	34	38	34

**2.2 Front Side against phantom**

Not applicable.

**2.3 Back side against phantom**

Not applicable.

**2.4 Front 2.5cm separation**

Not applicable

**2.5 Antenna 2.5cm separation**

Not applicable

**2.6 Back 2.5cm separation**

Not applicable

**3.0 Other SAR tested positions at the face**

**3.1 Back of DUT at 2.5cm separation**

Not applicable

**3.2 Front of DUT at 2.5cm separation**

Refer to section 1.2

**4.0 Other SAR tested positions at the head**

**4.1 Left ear touch**

Refer to section 1.3

**4.2 Left ear tilt**



**4.3 Right ear touch**



**4.4 Right ear tilt**



**5.0 Other SAR tested positions at the hand**

- 5.1 Left side**  
Not applicable.
- 5.2 Right side**  
Not applicable.

- 5.3 **Top side**  
Not applicable.
- 5.4 **Bottom side**  
Not applicable.
- 5.5 **Back side**  
Not applicable.

**6.0 DUT and Accessory Photos**

The purpose of these photos is to illustrate the tested accessories. Refer to Part 1 of 2, section 7.0 for additional details on the offered accessories.

**6.1 Antenna dimension and photo:**

Antenna Kit #	Physical Length (mm)	Electrical Length
PMAF4019A	84	¼ wave



**Left to Right: PMAF4019A**

6.2 Body worn accessories



HLN6602A



RLN4815A



PMLN7195A with DUT: Front, Side and back views (left to right)



**PMLN7268A with DUT: Front, Side and back views (left to right)**



**PMLN6086A with DUT: Side and back views (left to right)**



GMDN0386A w/PMLN5004B with DUT: Side and back views (left to right)



GMDN0547A w/PMLN5004B with DUT: Side and back views (left to right)





GMDN0445AC w/PMLN5004B with DUT: Side and back views (left to right)



WALN4307A w/PMLN5004B with DUT: Side and back views (left to right)



GMDN0566AC w/PMLN5004B with DUT: Side and back views (left to right)



GMDN0445AA w/PMLN5004B with DUT: Side and back views (left to right)



NTN5243A

6.3 Battery accessories:



NNTN8570B : Front, Side and Back View (Left to Right)

6.4 Audio accessories:



PMMN4067B

6.5 DUT Dimensions

	Height (mm)	Width (mm)	Depth (mm)
Radio only (w/o battery)	271.4	183.7	153.0
Radio with battery NNTN8570B	271.4	183.7	165.8

For illustration purposes only - the following figure reflects the location of the device’s dimensions.



Note: H = Height; W = Width; D = Depth

$W1 = (\text{Width @ Top}) / (\text{Width @ PTT})$

$D2 = (\text{Depth @ Bottom}) / (\text{Depth @ PTT})$