

**MOTOROLA SOLUTIONS****MS ISO/IEC 17025
TESTING
SMM No.0826****Exhibit 7B: SAR Test Report Photographs****Motorola Solutions Inc****EME Test Laboratory**

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*Tiong*

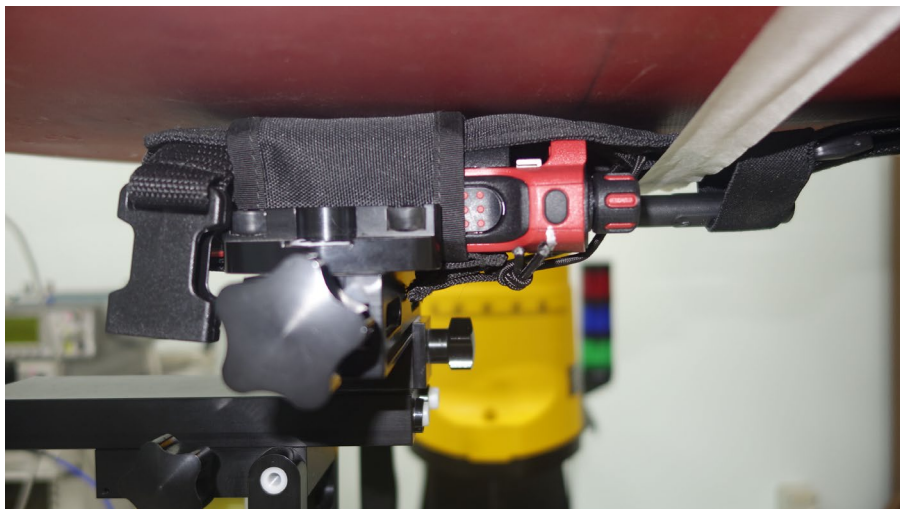
Tiong Nguk Ing
Deputy Technical Manager (Approved Signatory)
Approval Date: 10/ 13/2018

Report Revision History

Date	Revision	Comments
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



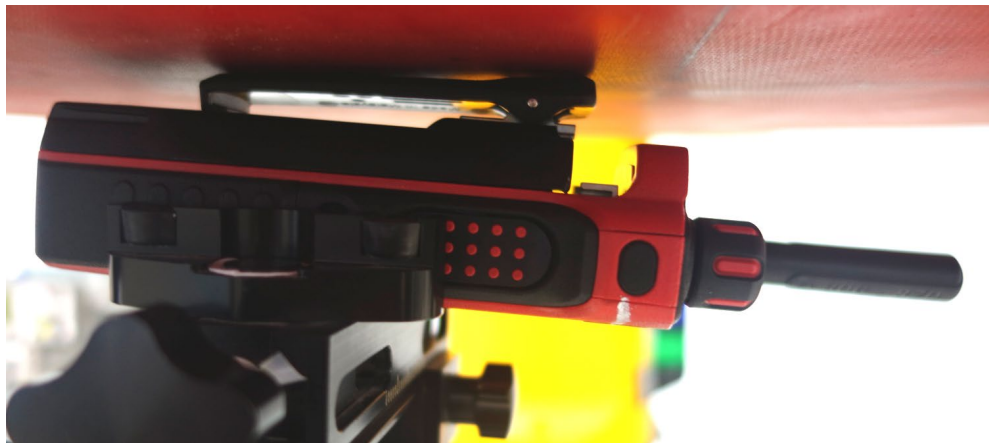
Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4019A	7	78	100

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	$\frac{1}{4}$ 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:

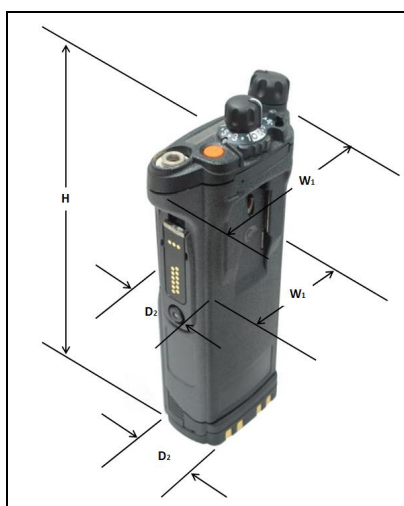


PMMN4067B

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

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

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