





 <b>MOTOROLA SOLUTIONS</b>	    SMM 826 CERTIFICATE 2518.05
<b>Exhibit 7B: SAR Test Report Photographs</b>	
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**Report Revision History**

<b>Date</b>	<b>Revision</b>	<b>Comments</b>
09/27/2022	A	Initial release

## 1.0 Highest SAR Test Position per body location

### 1.1 Body

DUT with antenna PMAF4010A with offered battery PMNN4809A and body worn HLN6022A against the phantom without an audio accessory attached. Same configurations offered to other antennas and batteries.

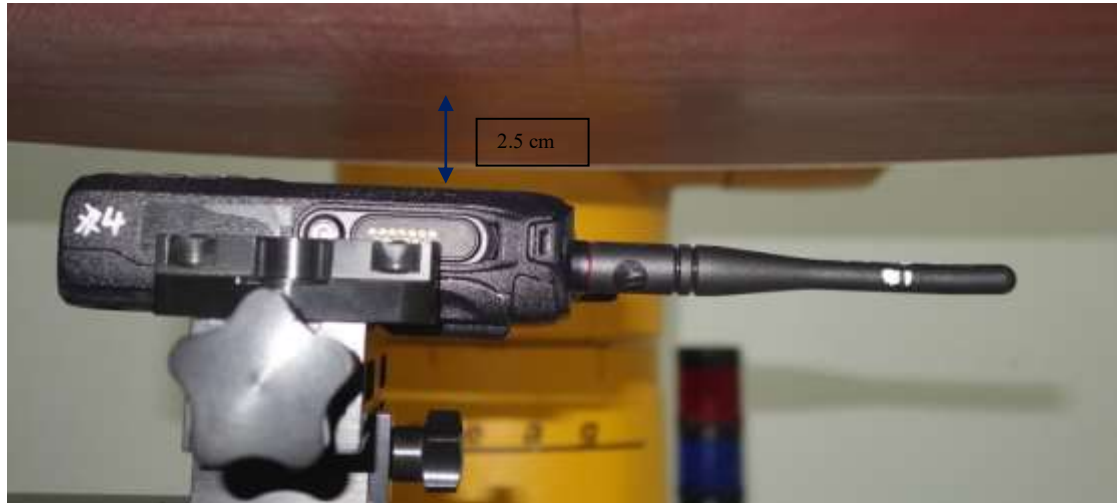


Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4009A	0	20	25
PMAF4010A	0	20	25
PMAF4011A	0	20	16
PMAF4012A	0	20	28

(\*) Depending on applicable offered battery

### 1.2 Face

Front of DUT w/ antenna PMAF4011A with offered battery PMNN4810A separated 2.5cm from the phantom without an audio accessory attached. Same configurations offered to other antennas and batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4009A	30	42	55
PMAF4010A	30	42	50
PMAF4011A	30	42	56
PMAF4012A	30	42	53

### 1.3 Head

Not applicable.

### 1.4 Hand

Not applicable

## 2.0 Other SAR tested positions at the body

### 2.1 Body worn

DUT with antenna PMAF4010A with offered battery PMNN4807A and body worn PMLN4615A against the phantom without an audio accessory attached. Same configurations offered to other antennas and batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4009A	6	29	43
PMAF4010A	6	29	43
PMAF4011A	6	29	49
PMAF4012A	6	29	47

(\*) Depending on applicable offered battery

DUT with antenna PMAF4010A with offered battery PMNN4807A and body worn PMLN7008A against the phantom without an audio accessory attached. Same configurations offered to other antennas and batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4009A	7	30	43
PMAF4010A	7	30	45
PMAF4011A	7	30	49
PMAF4012A	7	30	50

(\*) Depending on applicable offered battery

DUT with antenna PMAF4012A with offered battery PMNN4809A and body worn PMLN8302A w/o belt loop w/ NTN5243A against the phantom without an audio accessory attached. Same configurations offered to other antennas and batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4009A	0	40	63
PMAF4010A	0	40	62
PMAF4011A	0	40	70
PMAF4012A	0	40	71

(\*) Depending on applicable offered battery

DUT with antenna PMAF4010A with offered battery PMNN4807A and body worn PMLN8304A w/ NTN5243A against the phantom without an audio accessory attached Same configurations offered to other antennas and batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4009A	0	56	97
PMAF4010A	0	56	88
PMAF4011A	0	56	110
PMAF4012A	0	56	96

(\*) Depending on applicable offered battery

DUT with antenna PMAF4009A with offered battery PMNN4807A and body worn PMLN8302A w/o belt loop w/ RLN6487A w/ RLN6488A against the phantom without an audio accessory attached Same configurations offered to other antennas and batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4009A	0	40	55
PMAF4010A	0	40	59
PMAF4011A	0	40	67
PMAF4012A	0	40	68

(\*) Depending on applicable offered battery

## 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

## Other SAR tested positions at the face

## 2.7 Back of DUT at 2.5cm separation

Not applicable



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

Refer to section 1.2

**3.0 Other SAR tested positions at the head****3.1 Left ear touch**

Not applicable.

**3.2 Left ear tilt**

Not applicable.

**3.3 Right ear touch**

Not applicable.

**3.4 Right ear tilt**

Not applicable.

**4.0 Other SAR tested positions at the hand****4.1 Left side**

Not applicable.

**4.2 Right side**

Not applicable.

**4.3 Top side**

Not applicable.

**4.4 Bottom side**

Not applicable.

**4.5 Back side**

Not applicable.

**5.0 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.

**5.1 Antenna dimension and photo(s):**

Antenna Kit #	Physical Length (mm)	Electrical Length
PMAF4009A	120	$\frac{1}{4}$ wave
PMAF4010A	112	$\frac{1}{4}$ wave
PMAF4011A	164	$\frac{1}{4}$ wave
PMAF4012A	140	$\frac{1}{4}$ wave





From bottom to top: PMAF4009A, PMAF4010A, PMAF4011A, PMAF4012A



## 5.2 Body worn accessories



**PMLN7008A**  
**DUT Side View**

**PMLN7008A**  
**DUT Back View**



**PMLN4651A**  
**DUT Side View**

**PMLN4651A**  
**DUT Back View**



**PMLN7008A**



**PMLN4651A**



**PMLN8302 with NTN5243A  
(Front view)**



**PMLN8302 with NTN5243A  
(Side view)**



**PMLN8304 with NTN5243A  
(Front View)**



**PMLN8304 with NTN5243A  
(Side View)**



**PMLN8302 with RLN6487A +  
RLN6488A (Front View)**



**PMLN8302 with RLN6487A +  
RLN6488A (Side View)**



HLN6602 Chest pack

### 5.3 Battery accessories:



PMNN4810A



PMNN4809A



PMNN4808A





PMNN4807A

### 5.3 Audio accessories



PMMN4128A



PMLN8297A &  
PMLN8265A



**PMLN8337A****PMLN8343A****PMLN8295A****PMLN8086A**

#### 5.4 DUT Dimensions

##### VHF

	Height (mm)	Width (mm)	Depth (mm)
Radio only (w/o battery)	134	63.8	35.5
Radio with battery PMNN4807A	134	63.8	41.0
Radio with battery PMNN4808A	134	63.8	46.5
Radio with battery PMNN4809A	134	63.8	41.0
Radio with battery PMNN4810A	134	63.8	46.5

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



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

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

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