

 <b>MOTOROLA SOLUTIONS</b>		 MS ISO/IEC 17025 TESTING SAMM No. 0826		 CERTIFICATE 2518.05
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**Exhibit 7B: SAR Test Report Photographs**

**Motorola Solutions Inc**  
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**Sun Hock Saw**  
**Approved Signatory**  
Approval Date: 9/11/2021



**Report Revision History**

<b>Date</b>	<b>Revision</b>	<b>Comments</b>
7/19/2021	A	Initial release
8/18/2021	B	Report Amended
9/10/2021	C	Amend the photos

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

**1.1 Body**

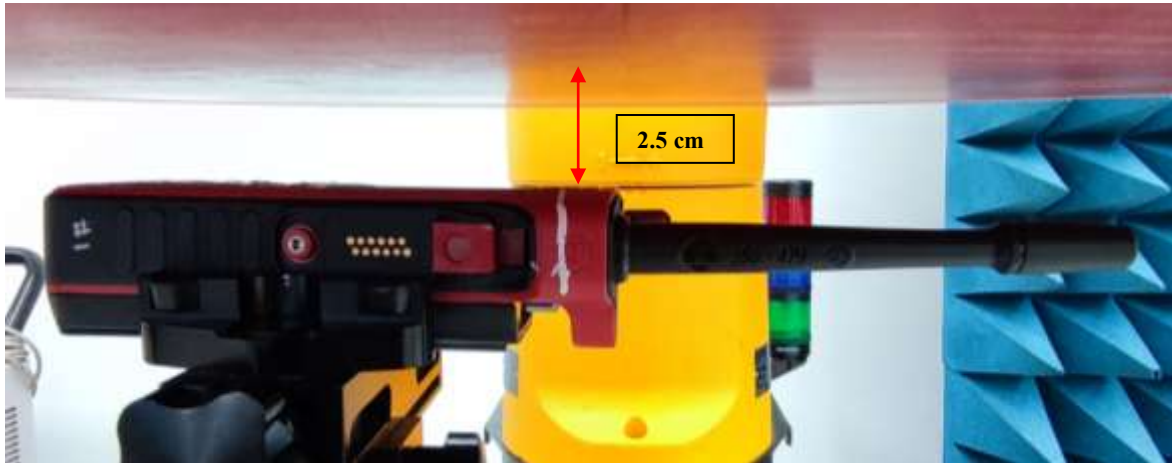
DUT with PMAE4097A antenna, battery NNTN8570C and body worn GMDN0566AC w/PMLN5004B are positioned against the phantom without audio accessory attached.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of DUT	@ base of antenna	@ tip of antenna
PMAE4096A	0	75	111
PMAE4097A	0	75	128

**1.2 Face**

Front of DUT with PMAE4097A antenna with offered battery NNTN8570C separated 2.5cm from the phantom without an audio accessory attached.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of DUT	@ base of antenna	@ tip of antenna
PMAE4096A	26	35	35
PMAE4097A	26	35	38

### 1.3 Head

Front of DUT with antenna PMAE4097A with offered battery NNTN8570C at left ear tilt 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 PMAE4097A antenna, battery NNTN8570C and body worn HLN6602A are positioned against the phantom without audio accessory attached. Same position used for the other applicable offered antenna and battery accessories.



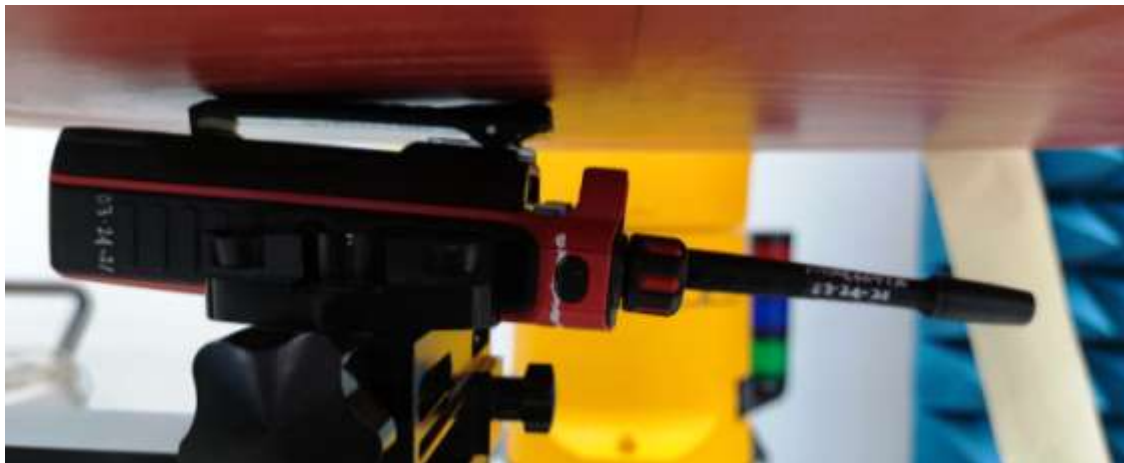
Antenna kit #	Separation Distances (mm)		
	@ bottom surface of DUT	@ base of antenna	@ tip of antenna
PMAE4096A	5	27	32
PMAE4097A	5	27	26

DUT with PMAE4097A antenna, battery NNTN8570C and body worn RLN4815A are positioned against the phantom without audio accessory attached. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of DUT	@ base of antenna	@ tip of antenna
PMAE4096A	12	44	48
PMAE4097A	12	44	50

DUT with PMAE4097A antenna, battery NNTN8570C and body worn PMLN6086A are positioned against the phantom without audio accessory attached. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of DUT	@ base of antenna	@ tip of antenna
PMAE4096A	5	38	48
PMAE4097A	5	38	52



DUT with PMAE4097A antenna, battery NNTN8570C and body worn GMDN0386A w/ PMLN5004B are positioned against the phantom without audio accessory attached. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of DUT	@ base of antenna	@ tip of antenna
PMAE4096A	20	39	42
PMAE4097A	20	39	43

DUT with PMAE4097A antenna, battery NNTN8570C and body worn GMDN0445AC w/ PMLN5004B are positioned against the phantom without audio accessory attached. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of DUT	@ base of antenna	@ tip of antenna
PMAE4096A	35	45	44
PMAE4097A	35	45	44

DUT with PMAE4097A antenna, battery NNTN8570C and body worn WALN4307A w/ PMLN5004B are positioned against the phantom without audio accessory attached. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of DUT	@ base of antenna	@ tip of antenna
PMAE4096A	25	44	45
PMAE4097A	25	44	46

DUT with PMAE4097A antenna, battery NNTN8570C and body worn GMDN0445AA w/ PMLN5004B are positioned against the phantom without audio accessory attached. Same position used for the other applicable offered antenna and battery accessories.





Antenna kit #	Separation Distances (mm)		
	@ bottom surface of DUT	@ base of antenna	@ tip of antenna
PMAE4096A	12	48	60
PMAE4097A	12	48	64

DUT with PMAE4097A antenna, battery NNTN8570C and body worn PMLN7268A w / NTN5243A without belt loop are positioned against the phantom without audio accessory attached. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of DUT	@ base of antenna	@ tip of antenna
PMAE4096A	0	55	83
PMAE4097A	0	55	83

DUT with PMAE4097A antenna, battery NNTN8570C and body worn GMDN0445AC w/ PMLN5004B are positioned against the phantom with PMMN4067B audio accessory attached. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of DUT	@ base of antenna	@ tip of antenna
PMAE4096A	25	51	62
PMAE4097A	25	51	62

- 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 session 1.2

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

4.1 **Left ear touch**



4.2 **Left ear tilt**  
Refer to session 1.3

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(s):

Antenna Kit #	Physical Length (mm)	Electrical Length
PMAE4096A	80	1/4 wave
PMAE4097A	120	1/4 wave





6.2 Body worn accessories



HLN6602A



RLN4815A



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



PMLN6086A with DUT: Back and side 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

6.1 Battery accessories:



NNTN8570C: Side, Front and Back View (Left to Right)



6.2 Audio accessories:



PMMN4067B

6.3 DUT Dimensions

	Height (mm)	Width (mm)	Depth (mm)
Radio only (w/o battery)	145	80	27
Radio with battery NNTN8570C	145	80	40

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



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

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

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