

	  <p>MS ISO/IEC 17025 TESTING SMM No. 0826</p>  
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**Exhibit 7B: SAR Test Report Photographs**

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**Approval Date: 7/23/2020**

**Report Revision History**

<b>Date</b>	<b>Revision</b>	<b>Comments</b>
7/15/2020	A	Initial release

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

**1.1 Body**

DUT with antenna PMAE4071A with offered battery PMNN4407BR and body worn kit RLN4570A against the phantom without an audio accessory attached.

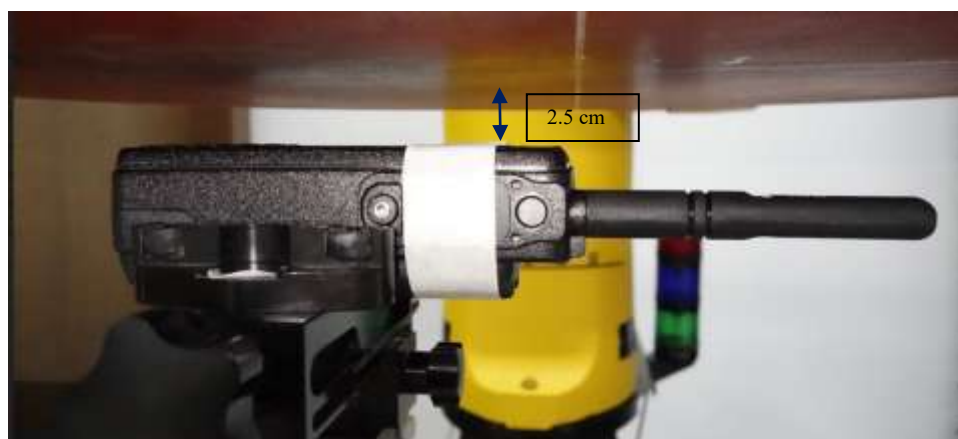


Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4071A	1	*18-25	*13-22
PMAE4069A	1	*18-25	*13-22
PMAE4070A	1	*18-25	*13-22
PMAE4079A	1	*18-25	*14-29

(\* ) Depending on applicable offered battery

**1.2 Face**

Back of DUT w/ antenna PMAE4071A with offered battery PMNN4448AR 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
PMAE4071A	25	38	39
PMAE4069A	25	38	39
PMAE4070A	25	38	39
PMAE4079A	25	38	46

**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 PMAE4071A with offered battery PMNN4407BR and body worn PMLN5838A w/ NTN5243A against the phantom with an audio PMMN4024A accessory attached.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	0	55	78
PMAE4070A	0	55	78
PMAE4071A	0	*55-62	*78-82
PMAE4079A	0	58	102

(\*) Depending on applicable offered battery

DUT with antenna PMAE4071A with offered battery PMNN4412A and body worn PMLN5840A w/ NTN5243A against the phantom with an audio PMMN4024A accessory attached.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	0	50	64
PMAE4070A	0	50	64
PMAE4071A	0	*46-52	*62-66
PMAE4079A	0	50	82

(\*) Depending on applicable offered battery

DUT with antenna PMAE4071A with offered battery PMNN4407BR and body worn PMLN5844A w/ NTN5243A against the phantom with an audio PMMN4024A accessory attached.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	0	35	45
PMAE4070A	0	35	45
PMAE4071A	0	*35-38	*45-48
PMAE4079A	0	35	55

(\*) Depending on applicable offered battery

DUT with antenna PMAE4071A with offered battery PMNN4407BR and body worn HLN6602A against the phantom with an audio PMMN4024A accessory attached.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	2	*21-23	*15-25
PMAE4070A	2	*21-23	*15-25
PMAE4071A	2	*21-23	*15-25
PMAE4079A	2	*21-23	*18-20

(\*) Depending on applicable offered battery

DUT with antenna PMAE4071A with offered battery PMNN4407BR and body worn kit PMLN4651A against the phantom with an audio PMMN4024A accessory attached.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	7	27	37
PMAE4070A	7	*27-33	*37-42
PMAE4071A	7	*27-33	*37-42
PMAE4079A	7	27	42

(\*) Depending on applicable offered battery



DUT with antenna PMAE4071A with offered battery PMNN4407BR and body worn kit PMLN7008A against the phantom with an audio PMMN4024A accessory attached.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	8	28	38
PMAE4070A	8	*28-33	*38-43
PMAE4071A	8	28	38
PMAE4079A	8	28	47

(\*) Depending on applicable offered battery

DUT with antenna PMAE4071A with offered battery PMNN4488A and body worn kit PMLN7296A against the phantom with an audio PMMN4024A accessory attached.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	8	35	44
PMAE4070A	8	35	44
PMAE4071A	8	35	44
PMAE4079A	8	35	52

DUT with antenna PMAE4071A with offered battery PMNN4407BR and body worn kit RLN4815A against the phantom with an audio PMMN4024A accessory attached.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	9	37	41
PMAE4070A	9	37	41
PMAE4071A	9	*37-43	*40-45
PMAE4079A	9	37	46

(\*) Depending on applicable offered battery

DUT with antenna PMAE4071A with offered battery PMNN4491B and body worn PMLN5844A w/ RLN6487A w/ RLN6488A against the phantom with an audio PMMN4024A accessory attached.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	0	35	45
PMAE4070A	0	34	45
PMAE4071A	0	*35-38	*45-48
PMAE4079A	0	35	55

(\*) 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

**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**  
Not applicable.
- 4.2 Left ear tilt**  
Not applicable.
- 4.3 Right ear touch**  
Not applicable.
- 4.4 Right ear tilt**  
Not applicable.

**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
PMAE4069A	90	¼ wave
PMAE4070A	90	¼ wave
PMAE4071A	90	¼ wave
PMAE4079A	150	¼ wave



**Top to bottom: PMAE4069A, PMAE4070A, PMAE4071A, and PMAE4079A**

6.2 Body worn accessories



**PMLN7008**  
DUT Back View



**PMLN7008A**  
DUT Side View



**PMLN4651A**  
DUT Back View



**PMLN4651A**  
DUT Back View



**PMLN7296A**  
DUT Back View



**PMLN7296A**  
DUT Side View



**Chest pack HLN6602A**



**Break-A-Way Chest pack**  
**RLN4570A**



**Radio pack RLN4815A**





**Carry strap NTN5243A  
with PMLN5838A**

**Carry strap NTN5243A  
with PMLN5840A**



**Carry strap NTN5243A  
with PMLN5844A**



Carry strap RLN6487A w/ RLN6488A  
with PMLN5844A

6.3 Battery accessories:



NNTN8129A



NNTN8560A



PMNN4406BR



PMNN4407BR



PMNN4409BR



PMNN4412AR



PMNN4448AR



PMNN4463A



PMNN4488A



PMNN4489A



PMNN4491B



PMNN4493A



PMNN4525B



PMNN4543A



PMNN4544A



PMNN4435AR

6.4 Audio accessories:



PMMN4024A



PMLN5097A



RMN5137B



RLN5880A



RMN4056B w/ NNTN8383B



PMLN6123A



PMLN5106A



PMLN6129A



PMMN4099CL



**NNTN8459A**



**PMLN5096B**



**RMN5058A**



**NNTN8383BN**



**PMLN5102A**



**PMLN5275C**



**PMLN5973A**



**PMLN5975A**



**PMLN6095A w/ RMN4053B**



**PMMN4119B**



**PMLN5974A**



**PMLN5976A**



**PMLN5979A**



**PMLN6765A w/ PMLN6833A w/  
PMLN6767A**



**PMLN6853A**



**PMMN4024A**



**PMMN4050ASP01**

6.5 DUT Dimensions

	Height (mm)	Width (mm)	Depth (mm)
Radio only (w/o battery)	134	65	33
Radio with battery PMNN4491B	134	65	39
Radio with battery NNTN8129A	134	65	45
Radio with battery NNTN8560A	134	65	45
Radio with battery PMNN4406BR	134	65	39
Radio with battery PMNN4407BR	134	65	39
Radio with battery PMNN4409BR	134	65	45
Radio with battery PMNN4412A	134	65	43
Radio with battery PMNN4435AR	134	65	45
Radio with battery PMNN4448AR	134	65	45
Radio with battery PMNN4463A	134	65	45
Radio with battery PMNN4489A	134	65	45
Radio with battery PMNN4493A	134	65	45
Radio with battery PMNN4525A	134	65	45
Radio with battery PMNN4543A	134	65	45
Radio with battery PMNN4544A	134	65	45

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



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

W1 = (Width @ Top) / (Width @ PTT)

D2 = (Depth @ Bottom) / (Depth @ PTT)