

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

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Report Revision History

Date	Revision	Comments
10/19/2021	A	Initial release

1.0 Highest SAR Test Position per body location

1.1 Body

DUT with antenna PMAD4116A with offered battery PMNN4807A and body worn kit PMLN7008A against the phantom with PMMN4128A audio accessory attached. Same configurations offered to other batteries.

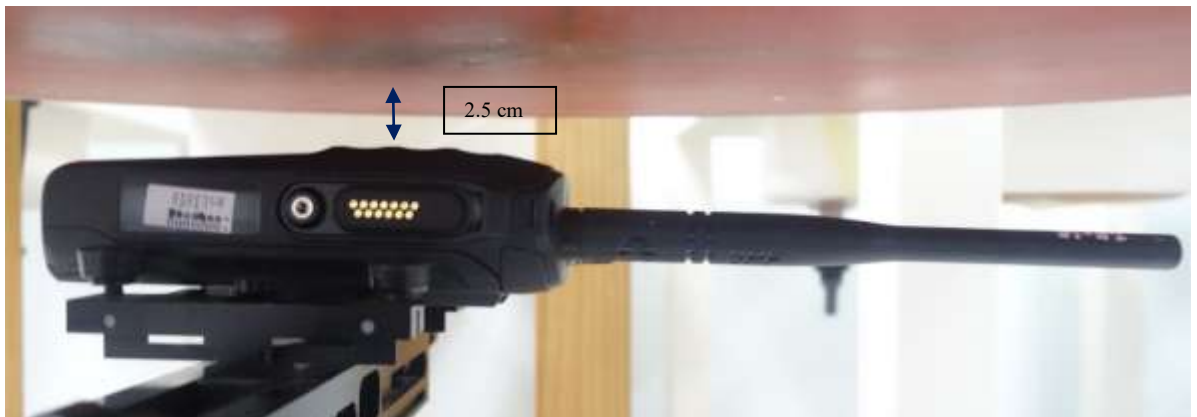


Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4116A	7	29	51
PMAD4117A	7	29	51
PMAD4118A	7	29	51
PMAD4119A	7	30	40
PMAD4120A	7	29	40
PMAD4121B	7	29	40
PMAD4147A	7	29	59

(*) Depending on applicable offered battery

1.2 Face

Front of DUT w/ antenna PMAD4117A with offered battery PMNN4807A 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
PMAD4116A	29	41	47
PMAD4117A	29	41	45
PMAD4118A	29	41	47
PMAD4119A	29	40	42
PMAD4120A	29	41	44
PMAD4121B	29	41	44
PMAD4147A	29	41	57

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 PMAD4118A with offered battery PMNN4809A and body worn HLN6602A against the phantom with an audio PMMN4128A accessory attached. Same configurations offered to other batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4116A	0	17	23
PMAD4117A	0	17	23
PMAD4118A	0	17	23
PMAD4119A	NA	NA	NA
PMAD4120A	0	17	13
PMAD4121B	0	17	13
PMAD4147A	0	17	17

(*) Depending on applicable offered battery

DUT with antenna PMAD4116A with offered battery PMNN4809A and body worn PMLN4651A against the phantom with an audio PMMN4128A accessory attached. Same configurations offered to other batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4116A	7	29	49
PMAD4117A	7	29	49
PMAD4118A	7	29	49
PMAD4119A	NA	NA	NA
PMAD4120A	7	29	39
PMAD4121B	7	29	39
PMAD4147A	7	29	56

(*) Depending on applicable offered battery

DUT with antenna PMAD4117A with offered battery PMNN4808A and body worn PMLN8302A w/o belt loop w/ NTN5243A against the phantom with an audio PMMN4128A accessory attached. Same configurations offered to other batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4116A	0	39	70
PMAD4117A	0	49	85
PMAD4118A	0	39	58
PMAD4119A	NA	NA	NA
PMAD4120A	0	39	53
PMAD4121B	0	39	53
PMAD4147A	0	39	79

(*) Depending on applicable offered battery

DUT with antenna PMAD4147A with offered battery PMNN4808A and body worn PMLN8304A w/ NTN5243A against the phantom with an audio PMMN4128A accessory attached. Same configurations offered to other batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4116A	0	56	102
PMAD4117A	0	56	102
PMAD4118A	0	56	102
PMAD4119A	NA	NA	NA
PMAD4120A	0	56	83
PMAD4121B	0	56	83
PMAD4147A	0	57	129

(*) Depending on applicable offered battery

DUT with antenna PMAD4117A with offered battery PMNN4810A and body worn PMLN8302A w/o belt loop w/ RLN6487A w/ RLN6488A against the phantom with an audio PMMN4128A accessory attached. Same configurations offered to other batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4116A	0	39	73
PMAD4117A	0	49	84
PMAD4118A	0	39	73
PMAD4119A	NA	NA	NA
PMAD4120A	0	39	52
PMAD4121B	0	39	52
PMAD4147A	0	39	86

(*) 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
PMAD4116A	150	½ wave
PMAD4117A	150	½ wave
PMAD4118A	150	½ wave
PMAD4119A	90	¼ wave
PMAD4120A	90	¼ wave
PMAD4121B	90	¼ wave
PMAD4147A	205	¼ wave



From bottom to top: PMAD4147A, PMAD4116A, PMAD4117A, PMAD4118A, PMAD4119A, PMAD4120A and PMAD4121B

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

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

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