



CERTIFICATE 2518.05

Exhibit 7B: SAR Test Report Photographs

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Approval Date: 12/15/2022

Report Revision History

Date	Revision	Comments
16/11/2022	A	Initial release
12/15/2022	B	Update the External Model Name and Radio Photo

1.0 Highest SAR Test Position per body location

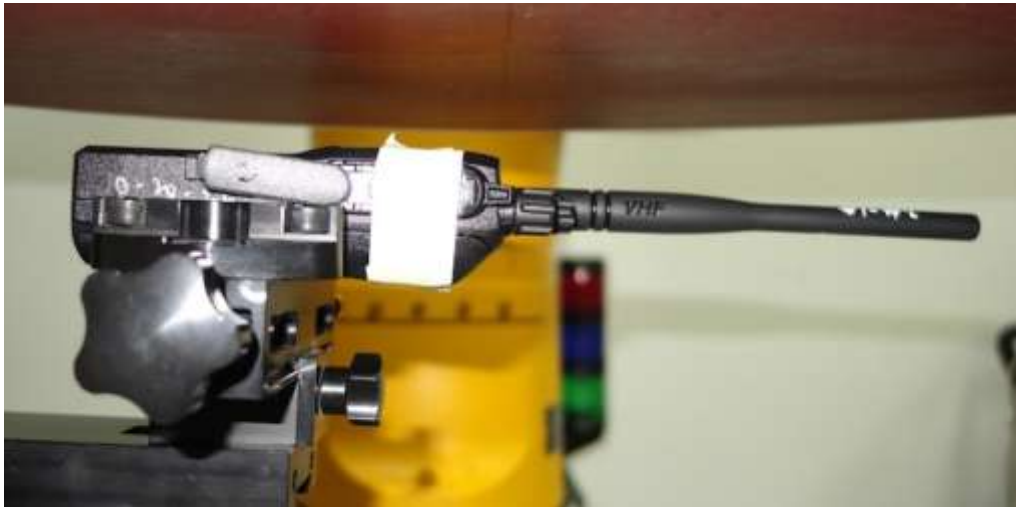
- 1.1 Body
- DUT with antenna PMAD4147A with offered battery PMNN4600A and body worn kit PMLN8433 with NTN5243A against the phantom with PMMN4013A audio accessory attached. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4147A	0	60	120
PMAD4116A	0	65	108
PMAD4117A	0	65	108
PMAD4118A	0	65	108
PMAD4119A	0	65	78
PMAD4120A	0	65	78
PMAD4121B	0	65	78

1.2 Face

Front of DUT with antenna PMAD4116A with offered battery PMNN4598A separated 2.5cm from the phantom without an audio accessory attached. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4116A	27	33	38
PMAD4117A	27	33	38
PMAD4118A	27	33	38
PMAD4119A	27	33	38
PMAD4120A	27	33	34
PMAD4121B	27	33	34
PMAD4147A	27	33	44

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 PMNN4600A, audio PMMN4013A, and body worn kit HLN6602A. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4118A	6	23	20
PMAD4116A	6	23	20
PMAD4117A	6	23	20
PMAD4120A	6	20	13
PMAD4121B	6	20	13
PMAD4147A	6	25	10

DUT with antenna PMAD4147A with offered battery PMNN4600A, audio PMMN4013A, and body worn kit HLN9714A. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4147A	10	30	50
PMAD4116A	10	29	43
PMAD4117A	10	29	43
PMAD4118A	10	29	43
PMAD4120A	10	28	34
PMAD4121B	10	28	34

DUT with antenna PMAD4147A with offered battery PMNN4600A, audio PMMN4013A, and body worn kit HLN9844A. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4147A	4	27	56
PMAD4116A	4	27	50
PMAD4117A	4	27	50
PMAD4118A	4	27	50
PMAD4120A	4	27	38
PMAD4121B	4	27	38

DUT with antenna PMAD4147A with offered battery PMNN4600A, audio PMMN4013A, and body worn kit PMLN4651A. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4147A	*6-8	*30-33	*50-54
PMAD4116A	6	30	48
PMAD4117A	6	30	48
PMAD4118A	6	30	48
PMAD4120A	6	30	38
PMAD4121B	6	30	38

(*) Depending on applicable offered battery

DUT with antenna PMAD4147A with offered battery PMNN4600A, audio PMMN4013A, and body worn kit PMLN7008A. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4147A	*5-7	*30-33	*53-54
PMAD4116A	5	30	48
PMAD4117A	5	30	48
PMAD4118A	5	30	48
PMAD4120A	5	30	37
PMAD4121B	5	30	37

(*) Depending on applicable offered battery

DUT with antenna PMAD4147A with offered battery PMNN4600A, audio PMMN4013A, and body worn kit PMLN8427A w/ NTN5243A. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4147A	0	*37-42	*55-60
PMAD4116A	0	37	50
PMAD4117A	0	37	50
PMAD4118A	0	37	50
PMAD4120A	0	37	43
PMAD4121B	0	37	43

(*) Depending on applicable offered battery

DUT with antenna PMAD4147A with offered battery PMNN4600A, audio PMMN4013A, and body worn kit PMLN8434A w/o belt loop w/ NTN5243A. Same position used for the other applicable offered antenna and battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4147A	0	*45-54	*102-104
PMAD4116A	0	45	86
PMAD4117A	0	45	85
PMAD4118A	0	45	85
PMAD4120A	0	45	68
PMAD4121B	0	45	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

3.0 Other SAR tested positions at the face

- 3.1 Back of DUT at 2.5cm separation**
Not applicable.

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
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



Left to Right: PMAD4147A, PMAD4118A, PMAD4116A, PMAD4117A, PMAD4119A, PMAD4120A, PMAD4121B

6.2 Body worn accessories



HLN9714A Belt Clip



HLN9844A Belt Clip



PMLN4651A Belt Clip



PMLN7008A Belt Clip



HLN6602A Chest pack



PMLN8427A Nylon with NTN5243A Strap



PMLN8433A Hard Leather with NTN5243A Strap



PMLN8434A Hard Leather without belt loop with NTN5243A Strap

6.3 Battery accessories:



PMNN4600A: Front View, Side View and Back View



PMNN4598A: Front View, Side View and Back View

6.4 Audio accessories:



PMMN4013A

6.5 DUT Dimensions

	Height (mm)	Width (mm)	Depth (mm)
Radio only (w/o battery)	128	60	30
Radio with battery PMNN4598A	128	60	40
Radio with battery PMNN4600A	128	60	38

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)