


MOTOROLA SOLUTIONS

TESTING CERT # 2518.05
Exhibit 7B: SAR Test Report Photographs
Motorola Solutions Inc
EME Test Laboratory

Motorola Solutions Malaysia Sdn Bhd (Innoplex)

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 H92QDF9PW6AN
(PMUE5243A)

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Report Revision History

Date	Revision	Comments
12/19/2016	A	Initial release
5/24/2017	B	Update DUT Photo, change external name from APX 1000 to APX 900.

1.0 Highest SAR Test Position per body location

1.1 Body

DUT with antenna PMAE4100A with offered battery PMNN4491A and body worn PMLN4651A against the phantom without an audio accessory attached. Same position used for the other applicable offered antenna, batteries and internal WLAN antenna (without audio accessory attached).

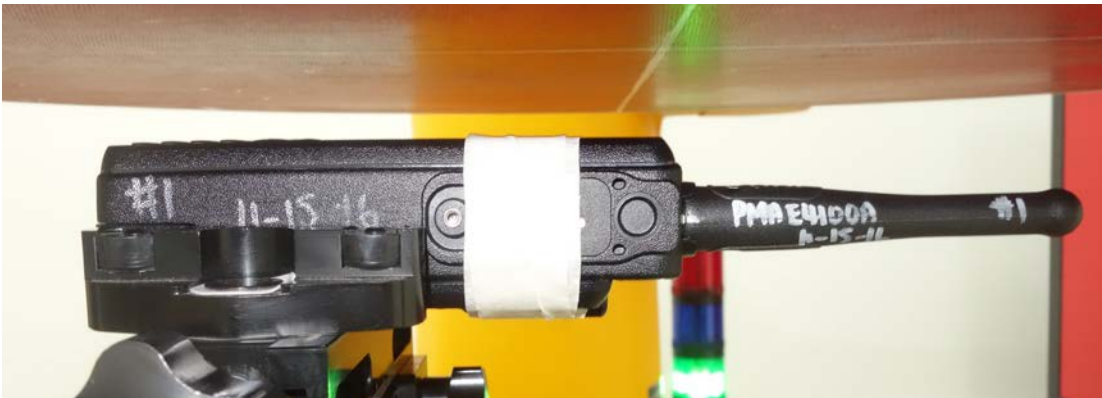


Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4100A	6	*27-33	*40-45
PMAE4022B	6	27	47

(*) Depending on applicable offered battery

1.2 Face

Front of DUT with antenna PMAE4100A with offered battery PMNN4448A separated 2.5cm from the phantom without an audio accessory attached. Same position used for other antenna, internal WLAN antenna and batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4100A	25	36	39
PMAE4022B	25	36	43

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 PMAE4022B with offered battery PMNN4493A, audio PMMN4062A and body worn PMLN7008A. Same position used for the other applicable offered antenna, batteries and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4100A	6	27	40
PMAE4022B	6	*27-35	*47-55

(*) Depending on applicable offered battery

DUT with antenna PMAE4100A with offered battery PMNN4448A, audio PMMN4602A and body worn PMLN5838A. Same position used for the other applicable offered antenna, batteries and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4100A	0	*50-53	*72-77
PMAE4022B	0	50	95

(*) Depending on applicable offered battery

DUT with antenna PMAE4100A with offered battery PMNN4424A, audio PMMN4062A and body worn PMLN5840A. Same position used for the other applicable offered antenna, batteries and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4100A	8	*64-74	*86-99
PMAE4022B	8	64	115

(*) Depending on applicable offered battery

DUT with antenna PMAE4022B with offered battery PMNN4491A, audio PMMN4602A and body worn PMLN5842A. Same position used for the other applicable offered antenna, batteries and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4100A	8	73	97
PMAE4022B	8	*74-78	*119-130

(*) Depending on applicable offered battery

DUT with antenna PMAE4022B with offered battery PMNN4491A, audio PMMN4062A and body worn PMLN5844A. Same position used for the other applicable offered antenna, batteries and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4100A	4	27	35
PMAE4022B	4	*27-32	*37-47

(*) 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
PMAE4100A	90	¼ wave
PMAE4022B	160	¼ wave



Top to bottom: PMAE4100A, PMAE4022B

6.2 Body worn accessories



PMLN4651A (Side View)



PMLN4651A (Back View)



PMLN5838A (Front View)



PMLN5838A (Side View)



PMLN5838A (Back View)



PMLN5840A (front View)



PMLN5840A (Side View)



PMLN5840A (Back View)



PMLN5842A (front View)



PMLN5842A (Side View)



PMLN5842A (Back View)



PMLN5844A (front View)



PMLN5844A (Side View)



PMLN5844A (Back View)



PMLN7008A (Side View)



PMLN7008A (Back View)

6.3 Battery accessories:



NNTN8128B (front, side and back View)



PMNN4424A (front, side and back View)



PMNN4448A (front, side and back View)



PMNN4489A (front, side and back View)



PMNN4491A (front, side and back View)



PMNN4493A (front, side and back View)

6.4 Tested Audio accessories:



PMMN4062A

6.5 DUT Dimensions

	Height (mm)	Width (mm)	Depth (mm)
Radio only (w/o battery)	130	65	33
Radio with battery NNTN8128B	130	65	39
Radio with battery PMNN4491A	130	65	39
Radio with battery PMNN4424A	130	65	45
Radio with battery PMNN4448A	130	65	45
Radio with battery PMNN4489A	130	65	45
Radio with battery PMNN4493A	130	65	45

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



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

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

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