


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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H92UCF9PW6AN (PMUF1910A)



H92UCH9PW7AN (PMUF1911A)

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Report Revision History

Date	Revision	Comments
12/29/2016	A	Initial release
4/26/2017	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 PMAF4022A with offered battery PMNN4493A and body worn PMLN4651A against the phantom without an audio accessory attached. Same position used for other applicable offered antenna, batteries, with and without audio and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
NAF5080A	7	28	52
PMAF4022A	7	*28-33	*38-43

(*) Depending on applicable offered battery

1.2 Face

Back of DUT with antenna PMAF4022A with offered battery NNTN8128B 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
NAF5080A	37	43	25
PMAF4022A	37	42	25

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 PMAF4022A with offered battery PMNN4493A and body worn PMLN7008A against the phantom without an audio accessory attached. Same position used for the other applicable offered antenna, batteries, with and without audio and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
NAF5080A	7	30	55
PMAF4022A	7	*30-35	*40-45

(*) Depending on applicable offered battery

DUT with antenna PMAF4022A with offered battery PMNN4493A, audio PMMN4062A and body worn PMLN5838A. Same position used for the other applicable offered antenna, batteries, with and without audio and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
NAF5080A	0	53	110
PMAF4022A	0	*53-55	*75-80

(*) Depending on applicable offered battery

DUT with antenna PMAF4022A with offered battery PMNN4489A, audio PMMN4062A and body worn PMLN5842A. Same position used for the other applicable offered antenna, batteries, with and without audio and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
NAF5080A	8	70	135
PMAF4022A	8	*70-75	*98-105

(*) Depending on applicable offered battery

DUT with antenna PMAF4022A with offered battery PMNN4493A, audio PMMN4062A and body worn PMLN5840A. Same position used for the other applicable offered antenna, batteries, with and without audio and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
NAF5080A	8	65	115
PMAF4022A	8	*65-70	*90-92

(*) Depending on applicable offered battery

DUT with antenna PMAF4022A with offered battery PMNN4493A, audio PMMN4062 and body worn PMLN5844A. Same position used for the other applicable offered antenna, batteries with and without audio and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
NAF5080A	2	35	60
PMAF4022A	2	*35-37	*45-50

(*) 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**
Refer to section 1.2
- 3.2 Front 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
NAF5080A	20	¼ wave
PMAF4022A	8	¼ wave



Top to bottom: NAF5080A, PMAF4022A

6.2 Body worn accessories



PMLN4651A (Side View)



PMLN4651A (Back View)



PMLN7008A (Side View)



PMLN7008A (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
(Side View)**



**PMLN5844A
(Side View)**



**PMLN5844A
(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)



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 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

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

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

