

**MOTOROLA SOLUTIONS****MS ISO/IEC 17025
TESTING
SMM No.0826****Exhibit 7B: SAR Test Report Photographs****Motorola Solutions Inc****EME Test Laboratory**

Motorola Solutions Malaysia Sdn Bhd (Innoplex)

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H92WCF9PW6AN
(PMUF1912A)



H92WCH9PW7AN
(PMUF1913A)

Tiong

Tiong Nguk Ing
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Report Revision History

Date	Revision	Comments
7/24/2017	A	Initial release

1.0 Highest SAR Test Position per body location

1.1 Body

DUT with antenna NAF5088B with offered battery PMNN4491B and body worn PMLN4651A against the phantom without an audio accessory attached. Same position used for the other applicable offered batteries, bodyworns and internal WLAN antenna (without audio accessory attached).

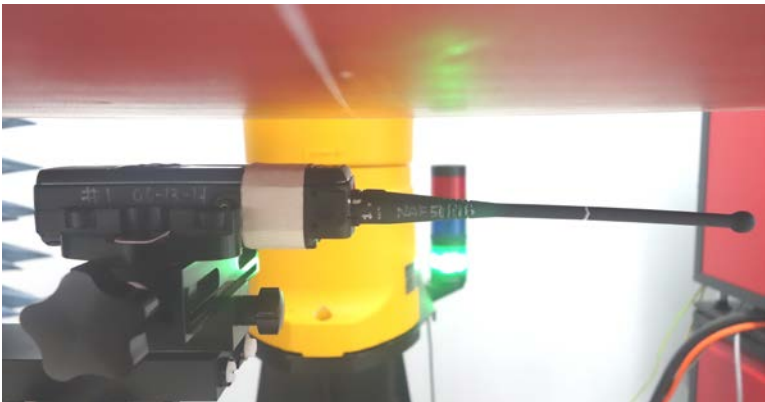


Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
NAF5088B	6	*27-33	*45-50

(*) Depending on applicable offered battery

1.2 Face

Front of DUT with antenna NAF5088B with offered battery PMNN4491B separated 2.5cm from the phantom without an audio accessory attached. Same position used for internal WLAN antenna and batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
NAF5088B	25	36	50

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 NAF5088B with offered battery PMNN4491B and bodyworn PMLN5838A against the phantom with an audio accessory PMMN4062A attached. Same position used for the other applicable offered 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
NAF5088B	0	*50-55	*97-102

(*) Depending on applicable offered battery

DUT with antenna NAF5088B with offered battery PMNN4491B and bodyworn PMLN5840A against the phantom with an audio accessory PMMN4062A attached. Same position used for the other applicable offered 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
NAF5088B	5	*66-70	117

(*) Depending on applicable offered battery

DUT with antenna NAF5088B with offered battery PMNN4491B and bodyworn PMLN5842A against the phantom with an audio accessory PMMN4062A attached. Same position used for the other applicable offered 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
NAF5088B	11	*66-70	119

(*) Depending on applicable offered battery

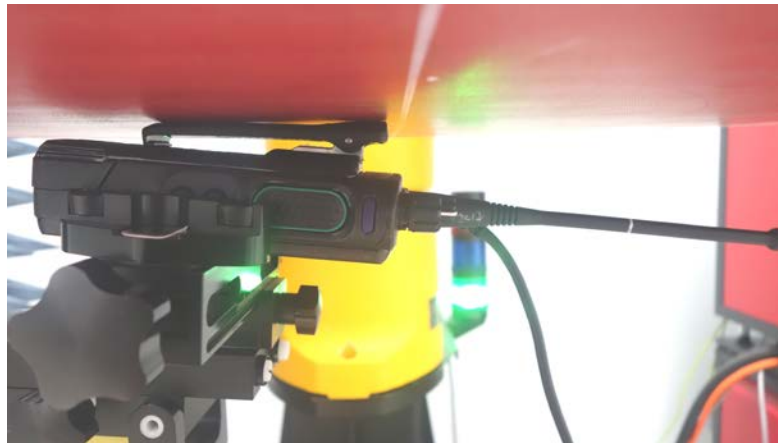
DUT with antenna NAF5088B with offered battery PMNN4491B and bodyworn PMLN5844A against the phantom with an audio accessory PMMN4062A attached. Same position used for the other applicable offered batteries and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
NAF5088B	2	*34-38	55

(*) Depending on applicable offered battery

DUT with antenna NAF5088B with offered battery PMNN4491B and bodyworn PMLN7008A against the phantom with an audio accessory PMMN4062A attached. Same position used for the other applicable offered 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
NAF5088B	7	*29-34	*50-54

(*) 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
NAF5088A	170	½ wave



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)



PMNN4493A (front, side and back view)



PMNN4448A (front, side and back View)



PMNN4489A (front, side and back View)



PMNN4491B (front, side and back View)



PMNN4424AR (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	31
Radio with battery PMNN4448A	130	65	45
Radio with battery PMNN4489A	130	65	45
Radio with battery PMNN4424A	130	65	45
Radio with battery PMNN4493A	130	65	45
Radio with battery NNTN8128B	130	65	39
Radio with battery PMNN4491B	130	65	39

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



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

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

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