

**MOTOROLA SOLUTIONS**

TESTING CERT # 2518.05

Exhibit 7B: SAR Test Report Photographs**Motorola Solutions Inc****EME Test Laboratory**

Motorola Solutions Malaysia Sdn Bhd (Innoplex)

Plot 2A, Medan Bayan Lepas

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*Tiong***Tiong Nguk Ing**
Deputy Technical Manager**Approval Date: 6/22/2017**

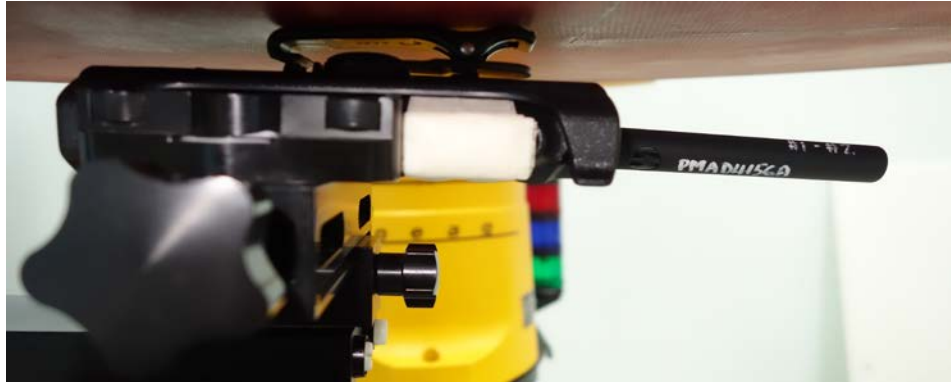
Report Revision History

Date	Revision	Comments
06/20/2017	A	Initial release
06/22/2017	B	Update DUT and antennas photo

1.0 Highest SAR Test Position per body location

1.1 Body

DUT with antenna PMAD4156A with offered battery PMNN4468A and body worn PMLN7190A against the phantom without an audio accessory attached. Same position used for other applicable offered antenna, 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
PMAD4145B	11	29	33
PMAD4146B	11	29	33
PMAD4155A	11	29	37
PMAD4156A	11	29	37
*PMAD4144B	11	29	33
*PMAD4154A	11	29	37

*NA PT90 freq band antenna

1.2 Face

Back of DUT with antenna PMAD4146B with offered battery PMNN4468A separated 2.5cm from the phantom without an audio accessory attached. Same position used for other antenna, internal WLAN antenna and battery.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4145B	27	27	29
PMAD4146B	27	27	29
PMAD4155A	25	28	30
PMAD4156A	25	28	30
*PMAD4144B	27	27	29
*PMAD4154A	25	28	30

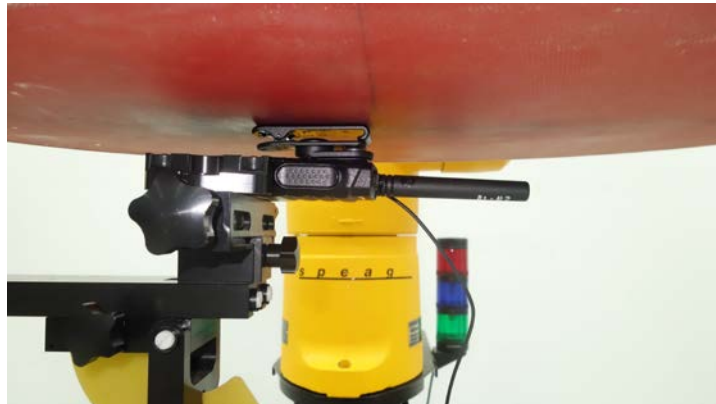
*NA PT90 freq band antenna

- 1.3 Head**
Not applicable.
- 1.4 Hand**
Not applicable
- 1.5 Front Side against phantom**
Not applicable.
- 1.6 Back side against phantom**
Not applicable.
- 1.7 Front 2.5cm separation**
Refer to section 1.2
- 1.8 Antenna 2.5cm separation**
Not applicable
- 1.9 Back 2.5cm separation**
Not applicable

2.0 Other SAR tested positions at the face

2.1 Body Worn

DUT with antenna PMAD4156A with offered battery PMNN4468A and body worn PMLN7128A against the phantom with an audio PMLN7156A attached. Same position used for other applicable offered antenna, battery, 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
PMAD4145B	20	25	27
PMAD4146B	20	25	27
PMAD4155A	20	25	30
PMAD4156A	20	25	30

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
PMAD4144B	50	¼ wave
PMAD4145B	50	¼ wave
PMAD4146B	50	¼ wave
PMAD4154A	90	¼ wave
PMAD4155A	90	¼ wave
PMAD4156A	90	¼ wave



Left to Right: PMAD4144B, PMAD4145B, PMAD4146B, PMAD4154A, PMAD4155A, PMAD4156A

5.2 Body worn accessories



PMLN7128A (Front View)



PMLN7128A (Side View)



PMLN7128A (Back View)



PMLN7190A (Front View)



PMLN7190A (Side View)



PMLN7190A (Back View)

5.3 Battery accessory:



PMNN4468A (Front View)



PMNN4468A (Back View)

5.3 Tested Audio accessory:



PMLN7156A

5.4 DUT Dimensions

	Height (mm)	Width (mm)	Depth (mm)
Radio only (w/o battery)	127	58	19
Radio with battery PMNN4468A	127	58	22

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)

