

**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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22:16:42 +08'00'

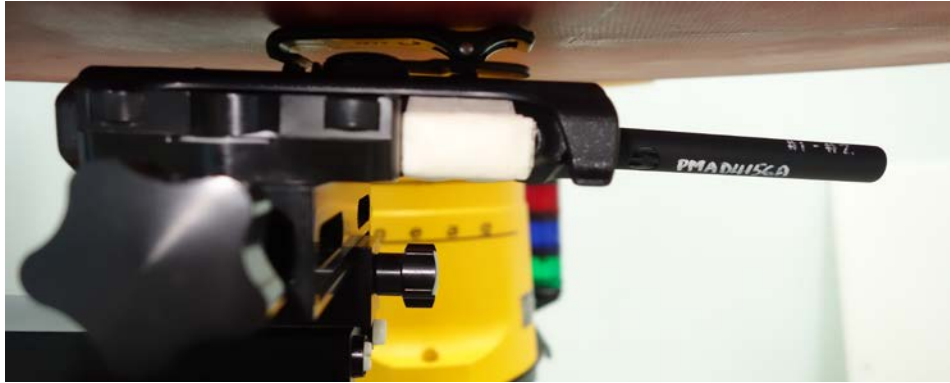
**Report Revision History**

| <b>Date</b> | <b>Revision</b> | <b>Comments</b>               |
|-------------|-----------------|-------------------------------|
| 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              |

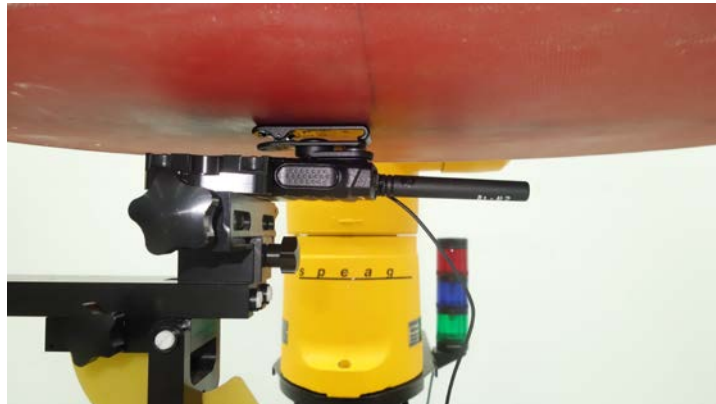
\*NA PT90 freq band antenna

- 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<br>(mm) | Width<br>(mm) | Depth<br>(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)

