

**MOTOROLA SOLUTIONS**

CERTIFICATE 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,

Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.

*Tiong***Tiong Nguk Ing**  
**Deputy Technical Manager**  
**Approval Date: 7/20/2016**

**Report Revision History**

| <b>Date</b> | <b>Revision</b> | <b>Comments</b> |
|-------------|-----------------|-----------------|
| 7/12/2016   | A               | Initial release |

## 1.0 Highest SAR Test Position per body location

### 1.1 Body

DUT with Body worn Clip-27 attached against the phantom using offered antenna ATU-6B, battery FNB-V142LI and audio accessory MH-89A4B. Same position used for other applicable offered antennas. (See table below).



| Antenna kit # | Separation Distances (mm)   |                  |                 |
|---------------|-----------------------------|------------------|-----------------|
|               | @ bottom surface of the DUT | @ antenna's base | @ antenna's tip |
| ATU-20AS      | 14                          | 25               | 29              |
| ATU-20DS      | 14                          | 25               | 29              |
| ATU-20FS      | 14                          | 25               | 29              |
| ATU-6A        | 14                          | 25               | 38              |
| ATU-6B        | 14                          | 25               | 38              |
| ATU-6C        | 14                          | 25               | 38              |
| ATU-6D        | 14                          | 25               | 38              |

### 1.2 Face

DUT with front side and separated 2.5cm from phantom using offered antenna ATU-6D, battery FNB-V142LI. Same position used for other applicable antennas. (See table below).



| Antenna kit # | Separation Distances (mm)   |                  |                 |
|---------------|-----------------------------|------------------|-----------------|
|               | @ bottom surface of the DUT | @ antenna's base | @ antenna's tip |
| ATU-20AS      | 25                          | 33               | 35              |
| ATU-20DS      | 25                          | 33               | 35              |
| ATU-20FS      | 25                          | 33               | 35              |
| ATU-6A        | 25                          | 33               | 40              |
| ATU-6B        | 25                          | 33               | 40              |
| ATU-6C        | 25                          | 33               | 40              |
| ATU-6D        | 25                          | 33               | 40              |

**1.3 Head**  
Not applicable.

**1.4 Hand**  
Not applicable

## **2.0 Other SAR tested positions at the body**

**2.1 Body worn**  
Refer to section 1.1.

**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) |
|---------------|----------------------|
| ATU-20AS      | 87                   |
| ATU-20DS      | 80                   |
| ATU-20FS      | 77                   |
| ATU-6A        | 165                  |
| ATU-6B        | 155                  |
| ATU-6C        | 150                  |
| ATU-6D        | 145                  |



Left to Right: ATU-6A, ATU-6B, ATU-6C, ATU-6D, ATU-20FS, ATU-20AS and ATU-20DS

## 6.2 Body worn accessories



Clip-20  
Front View



Clip-20  
Side view



Clip-20  
Back View

### 6.3 Battery accessories:



**FNB-V142LI**  
Front View



**FNB-V142LI**  
Side View



**FNB-V142LI**  
Back View

### 6.4 Audio accessories:



**MH-89A4B**

## 6.5 DUT Dimensions

|                               | Height<br>(mm) | Width<br>(mm) | Depth<br>(mm) |
|-------------------------------|----------------|---------------|---------------|
| Radio only (w/o battery)      | 92             | 57            | 28            |
| Radio with battery FNB-V142LI | 92             | 57            | 32            |

For illustration purposes only - the following figure reflects the location of the device dimension.



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

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

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