

**MOTOROLA SOLUTIONS**

CERTIFICATE 2518.05

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

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*Tiong*

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**Approval Date: 4/25/2016**

**Report Revision History**

Date	Revision	Comments
4/19/2016	A	Initial release

## 1.0 Highest SAR Test Position per body location

### 1.1 Body

DUT with Body worn LCC-261 attached against the phantom using offered antenna ATU-6D, battery FNB-V133LI-UNI and audio accessory MH-66A4B w/ MH-100. Same position used for other applicable offered antennas with audio accessories. (See table below).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
ATU-6D	15	21	16
ATU-6DS	15	21	17
ATU-6C	15	21	22
ATU-6B	15	21	15
ATU-6A	15	21	16

### 1.2 Face

DUT with front side and parallel and separated 2.5cm from phantom using offered antenna ATU-6DS, battery FNB-V134LI-UNI. Same position used for other applicable offered batteries and antennas with audio accessories. (See table below).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
ATU-6DS	28	39	40
ATU-6D	31	39	46
ATU-6C	31	39	44
ATU-6B	31	39	46
ATU-6A	31	39	52

### 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 Body worn Clip-20 attached against the phantom using offered antenna ATU-6B, battery FNB-V134LI-UNI and audio accessory MH-360S. Same position used for other applicable offered batteries and antennas with audio accessories. (See table below).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
ATU-6B	9	29	*38-50
ATU-6A	9	29	55
ATU-6C	9	29	51
ATU-6D	9	29	48
ATU-6DS	9	29	37

(\*) Depending on applicable offered battery

DUT with Body worn LCC-261S attached against the phantom using offered antenna ATU-6DS, battery FNB-V133LI-UNI and audio accessory MH-360S. Same position used with offered antennas and audio accessories. (See table below).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
ATU-6DS	33	63	71
ATU-6D	33	63	87
ATU-6C	33	63	87
ATU-6B	33	63	87
ATU-6A	35	63	85

DUT with Body worn LCC-261SH attached against the phantom using offered antenna ATU-6D, battery FNB-V134LI-UNI and audio accessory MH-360S. Same position used for other applicable offered battery and antennas with audio accessories. (See table below).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
ATU-6D	35	69	78
ATU-6DS	35	69	74
ATU-6C	35	69	78
ATU-6B	35	69	78
ATU-6A	35	69	80

## 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-6A	165
ATU-6B	155
ATU-6C	150
ATU-6D	145
ATU-6DS	78



**Left to Right: ATU-6A, ATU-6B, ATU-6C, ATU-6D and ATU-6DS**

## 6.2 Body worn accessories



Clip-20  
Back View



Clip-20  
Side view



LCC-261  
Front view



LCC-261  
Side view



**LCC-261S**  
Back View



**LCC-261S**  
Front View



**LCC-261S**  
Side View



**LCC-261S**  
Back View



**LCC-261SH**  
Front View



**LCC-261SH**  
Side View



**LCC-261SH**  
Back View

### 6.3 Battery accessories:



**FNB-V133LI-UNI**  
Front and Side View



**FNB-V134LI-UNI**  
Front and Side View



**FNB-V136-UNI**  
Front and Side View

### 6.4 Audio accessories:



**MH-360S**



**MH-66A4B w/ MH-100**



**MH-101A4B**



**MH-102A4B**



**MH-103A4B**



**MH-201A4B**



VH-150B

## 6.5 DUT Dimensions

	Height (mm)	Width (mm)	Depth (mm)
Radio only (w/o battery)	110	62	33
Radio with battery FNB-V133LI-UNI	110	62	40
Radio with battery FNB-V134LI-UNI	110	62	45
Radio with battery FNB-V136-UNI	110	62	47

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



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

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

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