

**MOTOROLA SOLUTIONS**

TESTING CERT # 2518.05

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

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Approval Date: 7/7/2015

Report Revision History

Date	Revision	Comments
7/07/2015	A	Initial release

1.0 Highest SAR Test Position per body location

1.1 Body

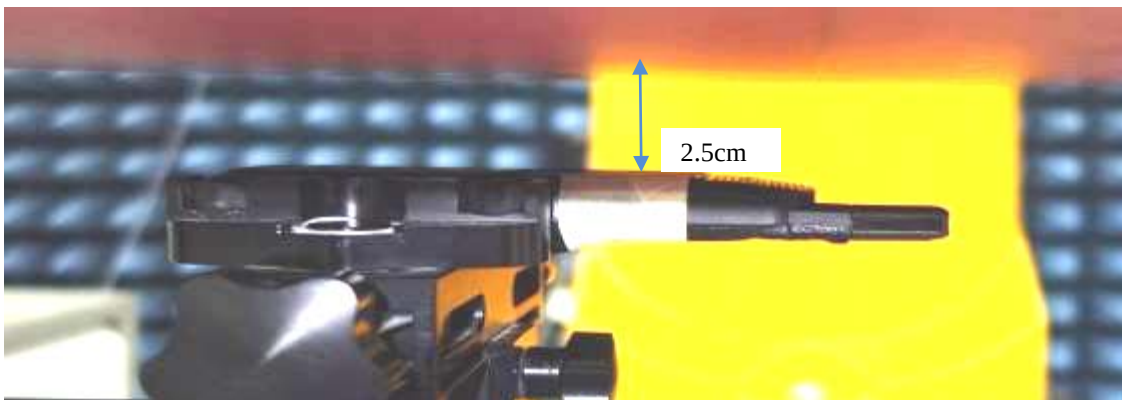
DUT w/ antenna PMAE4076B with offered battery HKNN4013A and body worn PMLN5956B w/ DUT face out against the phantom without an audio accessory attached. Same position used for other applicable offered antennas, internal WLAN antenna, with or without audio accessories. Only one battery HKNN4013A offered for this body worn configuration.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4078B	22	26	28
PMAE4077B	22	26	28
PMAE4076B	22	26	28

1.2 Face

Front of DUT w/ antenna PMAE4076B with offered battery HKNN4013A separated 2.5cm from the phantom without an audio accessory attached. Same position used for other antennas, internal WLAN antenna and battery.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4078B	*29 - 30	31	*31-32
PMAE4077B	*29 - 30	31	*31-32
PMAE4076B	*29 - 30	31	*31-32

(*) Depending on applicable offered battery

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 PMAE4076B with offered battery PMNN4468A, audio PMLN5958B and body worn PMLN7040A. Same position used for the other applicable offered antennas, internal WLAN antenna and battery.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4078B	*5-8	32	*35-36
PMAE4077B	*5-8	32	*35-36
PMAE4076B	*5-8	32	*35-36

(*) Depending on applicable offered battery

DUT with antenna PMAE4076B with offered battery PMNN4468A, audio PMLN5958B and body worn PMLN5596B w/DUT face in. Same position used for the other applicable offered antennas, internal WLAN antenna and battery.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4078B	20	32	34
PMAE4077B	20	32	34
PMAE4076B	20	32	34

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
PMAE4078B (403-425 MHz)	25	$\frac{1}{4}$ wave
PMAE4076B (420-445 MHz)	25	$\frac{1}{4}$ wave
PMAE4077B (438-470 MHz)	25	$\frac{1}{4}$ wave



Left to Right (fixed antennas pointed with arrow): PMAE4078B, PMAE4076B, and PMAE4077B

6.2 Body worn accessories



PMLN6074A (DUT Front, back and Side view)



PMLN5596B w/DUT face in (DUT Front, back and Side view)



PMLN5596B w/DUT face out (DUT Front, back and Side view)

6.3 Battery accessories:



Front View: PMNN4468A, HKNN4013A



Back View: PMNN4468A, HKNN4013A

Side View: PMNN4468A, HKNN4013A

6.4 Tested Audio accessories:



PMLN5958B

6.5 DUT Dimensions

	Height (mm)	Width (mm)	Depth (mm)
Radio only (w/o battery)	121	55	15
Radio with battery HKNN4013A and battery cover PMLN6001A	121	55	21
Radio with battery PMNN4468A and battery cover PMLN6745A	121	55	23

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



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

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

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