

**MOTOROLA SOLUTIONS**

TESTING CERT # 2518.05

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

Motorola Solutions Malaysia Sdn Bhd (Innoplex)

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Approval Date: 4/01/2016

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Report Revision History

Date	Revision	Comments
2/29/2016	A	Initial release
4/01/2016	B	Update carry case part number

1.0 Highest SAR Test Position per body location

1.1 Body

DUT with antenna PMAE4065A with offered battery PMNN4487A and body worn PMLN5877A w/ RLN6487A & RLN6488A against the phantom without an audio accessory attached. Carry case PMLN5877A w/ RLN6487A & RLN6488A (compatible for APX6000XE refresh models) similar to PMLN5659B w/ RLN6487A & RLN6488A (compatible for APX6000 refresh models). Same position used for other applicable offered antenna, batteries, with or without audio accessories and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
FAF5259A	0	50	67
PMAE4065A	0	*49-50	*78-80

(*) Depending on applicable offered battery

1.2 Face

Back of DUT with antenna FAF5259A with offered battery PMNN4486A separated 2.5cm from the phantom without an audio accessory attached. Same position used for other antenna, internal WLAN antenna and batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
FAF5259A	*28-30	40	43
PMAE4065A	28	40	46

(*) 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 FAF5259A with offered battery NNTN7573A, audio NNTN8203A and body worn HLN6875A. Same position used for the other applicable offered antenna, batteries and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna’s base	@ antenna’s tip
FAF5259A	*0-2	*45-46	*63-67
PMAE4065A	2	46	82

(*) Depending on applicable offered battery

DUT with antenna FAF5259A with offered battery NNTN8930A, audio NNTN8203A and body worn PMLN6802A. Same position used for the other applicable offered antenna, batteries and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
FAF5259A	0	*52-64	*74-82
PMAE4065A	0	52	90

(*) Depending on applicable offered battery

DUT with antenna PMAE4065A with offered battery PMNN4485A, audio NNTN8203A and body worn PMLN5657B w/ RLN6487A & RLN6488A. Same position used for the other applicable offered antenna, batteries and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
FAF5259A	0	55	77
PMAE4065A	0	55	92

DUT with antenna FAF5259A with offered battery NNTN7038B, audio NNTN8203A and body worn PMLN5658B w/ RLN6487A & RLN6488A. Same position used for the other applicable offered antenna, batteries and internal WLAN antenna (without audio accessory attached).



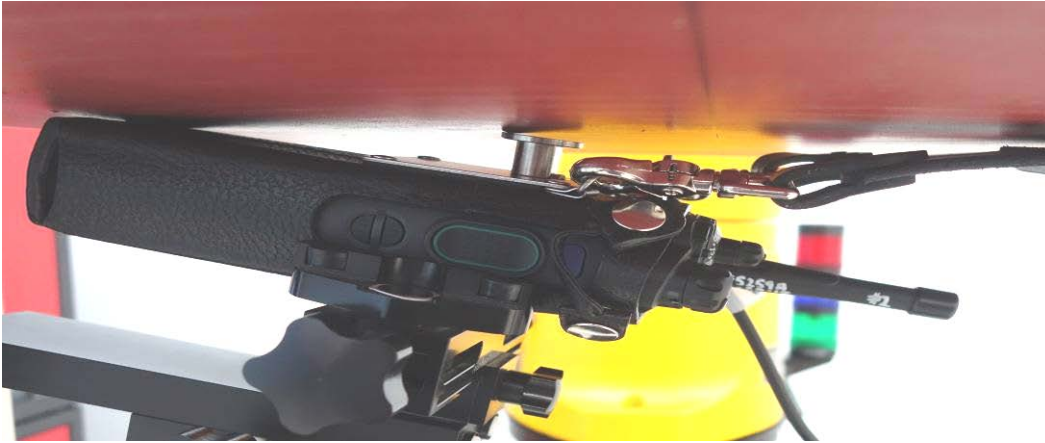
Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
FAF5259A	0	64	85
PMAE4065A	0	64	105

DUT with antenna PMAE4065A with offered battery NNTN7037A, audio NNTN8203A and body worn PMLN5660B w/ RLN6487A & RLN6488A. Carry case PMLN5660B w/ RLN6487A & RLN6488A (compatible for APX6000 refresh models) similar to PMLN5879A w/ RLN6487A & RLN6488A (compatible for APX6000XE refresh models). Same position used for the other applicable offered antenna, batteries and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
FAF5259A	0	57	77
PMAE4065A	0	57	87

DUT with antenna FAF5259A with offered battery NNTN7034B, audio NNTN8203A and body worn PMLN5659B w/AY000223A01. Same position used for the other applicable offered antenna, batteries and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
FAF5259A	0	*49-50	*65-67
PMAE4065A	0	50	80

(*) Depending on applicable offered battery

DUT with antenna FAF5259A with offered battery PMNN4494A, audio NNTN8203A and body worn PMLN5659B w/NTN5243A. Same position used for the other applicable offered antenna, batteries and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
FAF5259A	0	*49-50	*65-67
PMAE4065A	0	50	80

(*) Depending on applicable offered battery

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**

Refer to section 1.2.

3.2 Front of DUT at 2.5cm separation

Front of DUT with antenna FAF5259A with offered battery PMNN4485A separated 2.5cm from the phantom without an audio accessory attached. Same position used for other antenna, internal WLAN antenna and batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
FAF5259A	*26-28	*34-39	*35-40
PMAE4065A	27	39	42

(*) Depending on applicable offered battery

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
FAF5259A	93	¼ wave
PMAE4065A	140	¼ wave



Top to bottom: FAF5259A, PMAE4065A

6.2 Body worn accessories



HLN6875A (Side View)



HLN6875A (Back View)



PMLN6802A (Front View)



PMLN6802A (Side View)



PMLN6802A (Back View)



PMLN5657B (front View)



PMLN5657B (Side View)



PMLN5657B (Back View)



PMLN5658B (front View)



PMLN5658B (Side View)



PMLN5658B (Back View)



PMLN5659B (front View)



PMLN5659B (Side View)



PMLN5659B (Back View)



PMLN5660B (front View)



PMLN5660B (Side View)



PMLN5660B (Back View)



PMLN5877A (front View)



PMLN5877A (Side View)



PMLN5877A (Back View)



PMLN5879A (front View)



PMLN5879A (Side View)



PMLN5879A (Back View)



AY000223A01



RLN6487A & RLN6488A



NTN5243A

6.3 Battery accessories:

Left to Right (short batteries):
NNTN7038B, PMNN4403B, NNTN8930A, PMM4486A, PMNN4485A (front and side view)



Left to Right (long batteries):
NNTN7034B, PMNN4487A, NNTN8921A, PMNN4494A, NNTN7037A, NNTN7573A (front and side view)

6.4 Tested Audio accessories:



NNTN8203A

6.5 DUT Dimensions

	Height (mm)	Width (mm)	Depth (mm)
Radio only (w/o battery)	139	76	40
Radio with battery NNTN7038B	146	76	41
Radio with battery PMNN4486A	146	76	41
Radio with battery NNTN8930A	146	76	41
Radio with battery PMNN4485A	146	76	36
Radio with battery PMNN4403B	146	76	36
Radio with battery NNTN7034B	190	76	42
Radio with battery NNTN8921A	190	76	42
Radio with battery PMNN4494A	190	76	42
Radio with battery PMNN4487A	190	76	42
Radio with battery NNTN7573A	195	76	42
Radio with battery NNTN7037A	195	76	42

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



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

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

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