

**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: 5/13/2016

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Report Revision History

Date	Revision	Comments
4/20/2016	A	Initial release
5/13/2016	B	Update typo for PMLN5657B back view photo

1.0 Highest SAR Test Position per body location

1.1 Body

DUT with antenna PMAE4065A with offered battery PMNN4486A and body worn NNTN8269A against the phantom without an audio accessory attached. 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	10	30	34
PMAE4065A	10	30	39

1.2 Face

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	25	*34-51	*36-53
PMAE4065A	25	42	39

(*) 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 PMAE4065A with offered battery PMNN4487A, audio PMLN5275C and body worn HLN6875A with PMLN5709A. 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	3	53	85
PMAE4065A	*0-3	53	*92-102

(*) Depending on applicable offered battery



DUT with antenna PMAE4065A with offered battery NNTN7038B, audio PMLN5275C and body worn PMLN5657B with 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	53	80
PMAE4065A	0	53	95



DUT with antenna FAF5259A with offered battery NNTN7038B, audio PMLN5275C and body worn PMLN5658B with 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	53	80
PMAE4065A	0	53	95



DUT with antenna PMAE4065A with offered battery PMNN4487A, audio PMLN5275C and body worn PMLN5659B with 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	53	71
PMAE4065A	0	53	80



DUT with antenna PMAE4065A with offered battery NNTN7037A, audio PMLN5275C and body worn PMLN5660B with 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	52	71
PMAE4065A	0	56	85



DUT with antenna PMAE4065A with offered battery NNTN7037A, audio PMLN5275C and body worn PMLN5659B with RLN6486A and 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	53	71
PMAE4065A	0	53	80



DUT with antenna PMAE4065A with offered battery PMNN4439A, audio PMLN5275C and body worn PMLN6712A. Same position used for the other applicable offered antenna and internal WLAN antenna (without audio accessory attached). Other batteries are not compatible with body worn PMLN6712A.

Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
FAF5259A	9	32	35
PMAE4065A	9	32	40



DUT with antenna PMAE4065A with offered battery PMNN4486A, audio PMLN5275C 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	55	82
PMAE4065A	0	*53-57	*82-86

(*) Depending on applicable offered battery



DUT with antenna FAF5259A with offered battery PMNN4494A, audio PMLN5275C 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	*47-49	*63-69
PMAE4065A	2	49	82

(*) 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

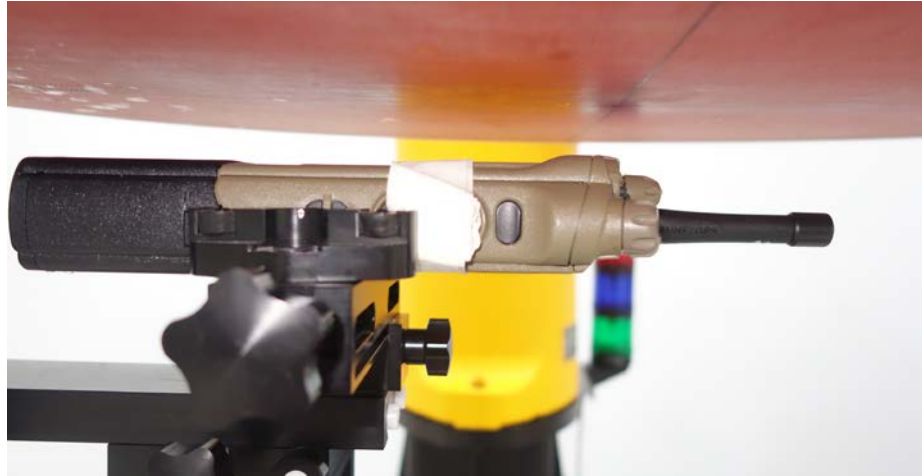
2.5 Antenna 2.5cm separation
Not applicable

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

Back of DUT with antenna FAF5259A with offered battery NNTN7037A separated 2.5cm from the phantom without an audio accessory attached. Same position used for other antenna, batteries and internal WLAN antenna.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
FAF5259A	*29-30	42	45
PMAE4065A	29	42	47

(*) Depending on applicable offered battery

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
FAF5259A	93	¼ wave
PMAE4065A	140	¼ wave



Top to bottom: FAF5259A, PMAE4065A

6.2 Body worn accessories



**HLN6875A w/ PMLN5709A
(Front View)**



**HLN6875A w/ PMLN5709A
(Side View)**



**HLN6875A w/ PMLN5709A
(Back View)**



**PMLN5658B
(Front View)**



**PMLN5658B
(Side View)**



**PMLN5658B
(Back View)**



**PMLN5657B
(Front View)**



**PMLN5657B
(Side View)**



**PMLN5657B
(Back View)**



**PMLN5659B
(Front View)**



**PMLN5659B
(Side View)**



**PMLN5659B
(Back View)**



**PMLN5660B
(Front View)**



**PMLN5660B
(Side View)**



**PMLN5660B
(Back View)**



RLN6486A & RLN6488A



NTN5243A



**HLN6875A
(Side View)**



**HLN6875A
(Back View)**



**PMLN6712A
(Front View)**



**PMLN6712A
(Side View)**



**PMLN6712A
(Back View)**



**PMLN6802A
(Front View)**



**PMLN6802A
(Side View)**



**PMLN6802A
(Back View)**



**NNTN8269A
(Front View)**



**NNTN8269A
(Side View)**



**NNTN8269A
(Back View)**

6.3 Battery accessories:

6.3.1 Short batteries with front and side view



NNTN7038B



PMNN4403B



NNTN8930A



PMNN4486A



PMNN4485A



NNTN8182B

6.3.2 Long batteries with front and side view



NNTN7034B



PMNN4487A



NNTN8921A



PMNN4494A



NNTN7037A



NNTN7573A



PMNN4439A

6.4 Tested Audio accessories:



PMLN5275C

6.5 DUT Dimensions

	Height (mm)	Width (mm)	Depth (mm)
Radio only (w/o battery)	139	75.7	35.6
Radio with battery NNTN7038B	146	75.7	40.6
Radio with battery PMNN4486A	146	75.7	40.6
Radio with battery NNTN8930A	146	75.7	40.6
Radio with battery PMNN4485A	146	75.7	35.6
Radio with battery PMNN4403B	146	75.7	35.6
Radio with battery NNTN7034B	190	75.7	40.6
Radio with battery NNTN8921A	190	75.7	40.6
Radio with battery PMNN4494A	190	75.7	40.6
Radio with battery PMNN4487A	190	75.7	40.6
Radio with battery NNTN7573A	190	75.7	40.6
Radio with battery NNTN7037A	190	75.7	40.6
Radio with battery PMNN4439A	220	75.7	59.0
Radio with battery NNTN8182A	146	75.7	40.6

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)

