

**MOTOROLA SOLUTIONS**

TESTING CERT # 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

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by Tiong Nguk
Ing
Date: 2018.05.29
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Report Revision History

Date	Revision	Comments
04/24/2018	A	Initial release
05/25/2018	B	Update section 6.0 to indicate PSM antenna.

1.0 Highest SAR Test Position per body location

1.0 Body

DUT with antenna KT000026A01 with offered battery PMNN4547A and body worn PMLN7901A against the phantom without an audio accessory attached. Same position used for the other applicable offered antennas, batteries with and without audio and internal WLAN antenna (without audio accessory attached).



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
KT000026A01	*5-8	42	70
PMAE4065A	8	42	60
PMAS4001A	8	42	65
PMAF4040A	8	42	72
NAR6595A	*3-8	42	55

(*) Depending on applicable offered battery

1.1 Face

Front of DUT with antenna KT000026A01 with offered battery NNTN8930A separated 2.5cm from the phantom without an audio accessory attached. Same position used for other antennas, internal WLAN antenna and batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
KT000026A01	30	42	50
PMAE4065A	30	42	*47-50
PMAS4001A	30	42	*44-47
PMAF4040A	30	42	55
NAR6595A	30	42	47

(*) Depending on applicable offered battery

1.2 Head

Not applicable.

1.3 Hand

Not applicable

2.0 Other SAR tested positions at the body

2.1 Body worn

PSM model PMMN4059B with belt clip 4205823V08 REV.N against the phantom and with 7/800 band antenna PMAF4002A attached. Same position used for the other applicable offered PSMs.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4002A	18	21	26

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

3.0 Back of DUT at 2.5cm separation

Back of DUT with antenna KT000026A01 with offered battery PMNN4485A separated 2.5cm from the phantom without an audio accessory attached. Same position used for other antennas, internal WLAN antenna and batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
KT000026A01	25	*35-45	*43-52
PMAE4065A	25	*35-45	*43-48
PMAS4001A	25	*35-45	*43-52
PMAF4040A	25	*35-42	*47-52
NAR6595A	25	*35-42	*40-50

(*) Depending on applicable offered battery

3.1 Front of DUT at 2.5cm separation
Refer to section 1.2.

4.0 Other SAR tested positions at the head

4.0 Left ear touch
Not applicable.

4.1 Left ear tilt
Not applicable.

4.2 Right ear touch
Not applicable.

4.3 Right ear tilt
Not applicable.

5.0 Other SAR tested positions at the hand

5.0 Left side
Not applicable.

5.1 Right side
Not applicable.

5.2 Top side
Not applicable.

5.3 Bottom side
Not applicable.

5.4 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.

6.0 Antenna dimension and photo(s):

Antenna Kit #	Physical Length (mm)	Electrical Length
KT000026A01	200	¼ wave
PMAF4040A	194	½ wave
PMAS4001A	185	¼ wave
PMAE4065A	140	¼ wave
NAR6595A	100	¼ wave
*PMAF4002A	90	¼ wave

Note - * For PSM only.



Top to bottom: KT000026A01, PMAF4040A, PMAS4001A, PMAE4065A, NAR6595A, PMAF4002A

6.1 Body worn accessory



PMLN7901A (Back View)



PMLN7901A (Front View)



PMLN7901A (Side View)

6.2 Battery accessories:



NNTN8921A (front, side and back View)



PMNN4486A (front, side and back View)



PMNN4485A (front, side and back View)



PMNN4494A (front, side and back View)



PMNN4547A (front, side and back View)



NNTN8930A (front, side and back View)



PMNN4487A (front, side and back View)

6.3 Tested Audio accessories:



NMN6274A



PMMN4059B
(without antenna)



PMMN4060B
(without antenna)



PMMN4061B
(without antenna)

6.4 DUT Dimensions

	Height (mm)	Width (mm)	Depth (mm)
Radio only (w/o battery)	152	76	31
Radio with battery PMNN4487A	205	76	41
Radio with battery NNTN8921A	205	76	41
Radio with battery PMNN4486A	160	76	42
Radio with battery PMNN4485A	160	76	37
Radio with battery PMNN4494A	205	76	41
Radio with battery PMNN4547A	160	76	45
Radio with battery NNTN8930A	160	76	42

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



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

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

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