

**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

Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.

*Tiong***Tiong Nguk Ing**
Deputy Technical Manager**Approval Date: 06/01/2016****Tiong
Nguk
Ing**Digitally signed by
Tiong Nguk Ing
DN: cn=Tiong Nguk
Ing, o=Motorola
Solutions,
ou=Regulatory
Compliance Lab,
email=n.i.tiong@mot
orolasolutions.com,
c=MY
Date: 2016.06.01
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Report Revision History

Date	Revision	Comments
5/16/2016	A	Initial release
6/01/2016	B	Removed PSM face setup photo

1.0 Highest SAR Test Position per body location

1.1 Body

DUT with antenna NAR6595A with offered battery PMNN4494A and body worn NTN8266B against the phantom with an audio accessory PMLN6766A with PMLN6827A 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
NAF5085A	10	25	40
NAR6595A	*8-10	25	35

(*) Depending on applicable offered battery

1.2 Face

Back of DUT with antenna NAR6595A 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
NAF5085A	*33-35	*43-45	*53-55
NAR6595A	35	45	52

(*) 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 NAR6595A with offered battery PMNN4403A, 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
NAF5085A	3	45	98
NAR6595A	*0-3	*41-45	*64-70

(*) Depending on applicable offered battery

DUT with antenna NAR6595A with offered battery PMNN4485A, audio NNTN8203A and body worn PMLN5875A with 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
NAF5085A	0	50	105
NAR6595A	0	50	77

DUT with antenna NAR6595A with offered battery NNTN7038B, audio NNTN8203A and body worn PMLN5876A with 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
NAF5085A	0	65	130
NAR6595A	0	65	96

DUT with antenna NAR6595A with offered battery NNTN7573A, audio NNTN8203A and body worn PMLN5877A with 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
NAF5085A	0	46	86
NAR6595A	0	46	65

DUT with antenna NAR6595A with offered battery PMNN4487A, audio NNTN8203A and body worn PMLN5879A with 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
NAF5085A	0	57	110
NAR6595A	0	57	*82-85

(*) Depending on applicable offered battery

DUT with antenna NAR6595A with offered battery PMNN4403B, 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
NAF5085A	0	55	105
NAR6595A	0	*55-60	*80-85

(*) Depending on applicable offered battery

DUT with antenna NAR6595A with offered battery PMNN4403B, audio NNTN8203A and body worn PMLN5875A with AY000223A01. Same position used for the other applicable offered antenna, batteries and internal WLAN antenna (without audio accessory attached).



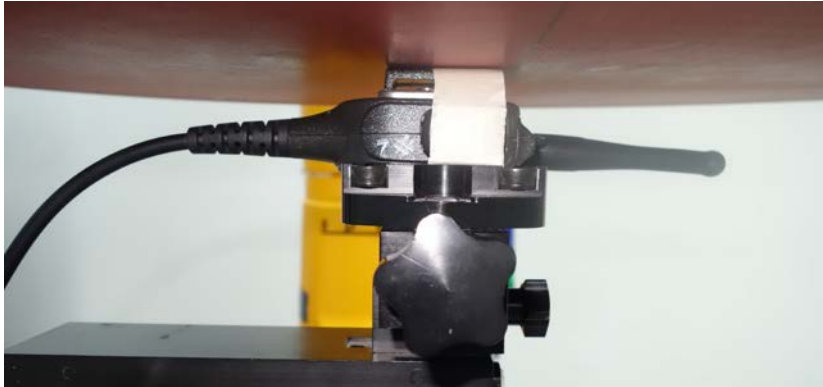
Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
NAF5085A	0	50	105
NAR6595A	0	50	77

DUT with antenna NAR6595A with offered battery PMNN4403B, audio NNTN8203A and body worn PMLN5875A 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
NAF5085A	0	50	105
NAR6595A	0	50	77

PSM model PMMN4061B with antenna PMAF4002A with offered battery PMNN4494A against the phantom.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAF4002A	13	20	26
NAR6595A	13	20	27

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 NAR6595A with offered battery PMNN4487A 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
NAF5085A	31	44	55
NAR6595A	*31-35	44	47

(*) 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
PMAF4002A	90	¼ wave
NAR6595A	98	¼ wave
NAF5085A	203	¼ wave



Top to bottom: PMAF4002A, NAR6595A, NAF5085A

6.2 Body worn accessories



NTN8266B (Front View)



NTN8266B (Side View)



NTN8266B (Back View)



HLN6875A (Front View)



HLN6875A (Side View)



HLN6875A (Back View)



**PMLN5875A
(Front View)**



**PMLN5875A
(Side View)**



**PMLN5875A
(Back View)**



**PMLN5876A
(Front View)**



**PMLN5876A
(Side View)**



**PMLN5876A
(Back View)**



**PMLN5877A
(Front View)**



**PMLN5877A
(Side View)**



**PMLN5877A
(Back View)**



**PMLN5879A
(Side View)**



**PMLN5879A
(Side View)**



**PMLN5879A
(Back View)**



**PMLN6802A
(Front View)**



**PMLN6802A
(Side View)**



**PMLN6802A
(Back View)**



RLN6487A & RLN6488A



NTN5243A



AY000223A01

6.3 Battery accessories:
6.3.1 Short batteries with front and side view



NNTN7038B



PMNN4403B



PMNN4485A



PMNN4486A

6.3.2 Long batteries with front and side view



NNTN7034B



PMNN4487A



NNTN7573A



PMNN4494A



NNTN7037A

6.4 Tested Audio accessories:



NNTN8203A



HMN4104B with RMN5116A



NMN6274A



PMMN4062A



PMMN4084A



PMLN5653A



PMLN5101A



RMN5137A



PMLN5275C



RLN6484A with NTN8819B



PMLN6088A with PMLN6095A



PMLN6129A



RLN5312B with BDN6783B



NNTN7869A with ZMN6038A



NNTN7869A with ZMN6031A



PMLN6123A



PMLN6766A with PMLN6827A



PSM PMMN4059B



PSM PMMN4060B



PSM PMMN4061B

6.5 DUT Dimensions

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

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)

