

 MOTOROLA SOLUTIONS	  SMM 826	  CERTIFICATE 2518.05
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Exhibit 7B: SAR Test Report Photographs

Motorola Solutions Inc
EME Test Laboratory
Motorola Solutions Malaysia Sdn Bhd
Plot 2A, Medan Bayan Lepas
Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.



Report Revision History

Date	Revision	Comments
06/19/2024	A	Initial release
07/22/2024	B	To amend the report revision history date

1.0 Highest SAR Test Position per body location

1.1 Body

DUT w/ antenna PMAE4070A with offered battery PMNN4807A and body worn kit HLN6602A against the phantom with an audio accessory PMMN4128A attached. Same configurations offered to other batteries.

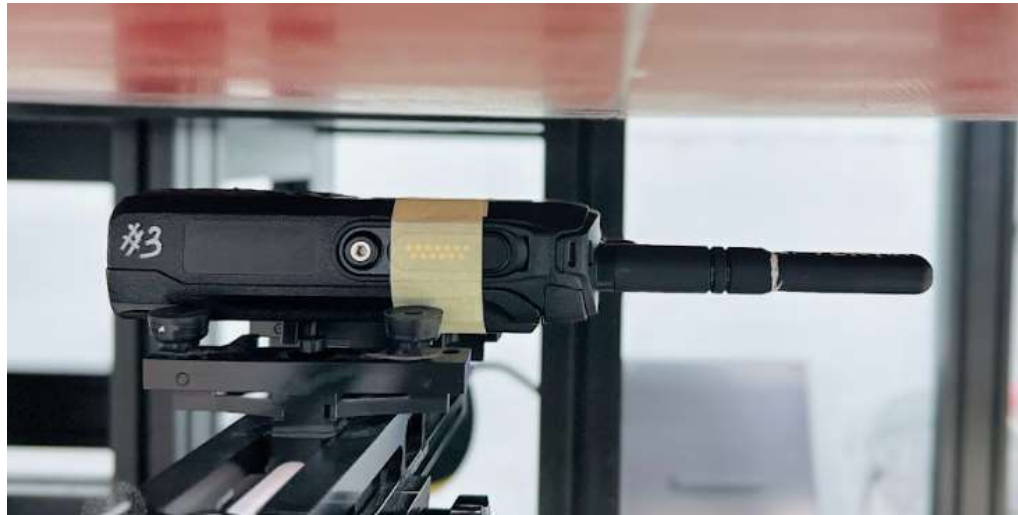


Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	0	19	22
PMAE4070A	0	*19-24	*22-26
PMAE4071A	0	*19-24	*22-26
PMAE4079A	0	19	20
AN000348A01	0	19	25
AN000350A01	0	19	22
AN000351A01	0	*19-24	*22-30

(*). Depending on applicable offered battery

1.2 Face

Back of DUT w/ antenna PMAE4070A with offered battery PMNN4809A separated 2.5cm from the phantom without an audio accessory attached.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	27	37	39
PMAE4070A	27	37	39
PMAE4071A	27	37	39
PMAE4079A	27	37	41
AN000348A01	27	37	40
AN000350A01	27	37	40
AN000351A01	27	37	40

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 PMAE4071A with offered battery PMNN4809A and body worn PMLN4651A against the phantom with an audio PMMN4128A accessory attached. Same position used for the other applicable offered battery accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	7	28	39
PMAE4070A	7	*28-34	*39-42
PMAE4071A	7	*28-34	*39-42
PMAE4079A	7	28	47
AN000348A01	7	28	39
AN000350A01	7	28	37
AN000351A01	7	*28-34	*37-42

(*) Depending on applicable offered battery

DUT with antenna PMAE4071A with offered battery PMNN4809A and body worn PMLN7008A against the phantom with an audio PMMN4128A accessory attached. Same configurations offered to other batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	7	29	39
PMAE4070A	7	*29-34	*39-45
PMAE4071A	7	*29-34	*39-45
PMAE4079A	7	29	49
AN000348A01	7	29	39
AN000350A01	7	29	37
AN000351A01	7	*29-34	*37-41

(*) Depending on applicable offered battery

DUT with antenna PMAE4071A with offered battery PMNN4807A and body worn PMLN8299A w/o belt loop w/ NTN5243A against the phantom with an audio PMMN4128A accessory attached. Same configurations offered to other batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	0	40	54
PMAE4070A	0	40	54
PMAE4071A	0	*40-46	*54-64
PMAE4079A	0	40	75
AN000348A01	0	40	54
AN000350A01	0	40	49
AN000351A01	0	40	49

(*) Depending on applicable offered battery

DUT with antenna PMAE4071A with offered battery PMNN4809A and body worn PMLN8301A w/o belt loop w/ NTN5243A against the phantom with an audio PMMN4128A accessory attached. Same configurations offered to other batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	0	64	95
PMAE4070A	0	64	95
PMAE4071A	0	*64-70	95-105
PMAE4079A	0	64	119
AN000348A01	0	64	91
AN000350A01	0	64	82
AN000351A01	0	64	82

(*) Depending on applicable offered battery

DUT with antenna PMAE4070A with offered battery PMNN4807A and body worn PMLN8299A w/o belt loop w/ RLN6487A w/ RLN6488A against the phantom with an audio PMMN4128A accessory attached. Same configurations offered to other batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4069A	0	45	65
PMAE4070A	0	*45-47	*65-67
PMAE4071A	0	45	65
PMAE4079A	0	45	70
AN000348A01	0	45	65
AN000350A01	0	45	55
AN000351A01	0	45	55

(*) Depending on applicable offered battery

3.0 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.

3.1 Antenna dimension and photo(s):

Antenna Kit #	Physical Length (mm)	Electrical Length
AN000348A01	90	¼ wave
AN000350A01	60	¼ wave
AN000351A01	60	¼ wave
PMAE4069A	90	¼ wave
PMAE4070A	90	¼ wave
PMAE4071A	90	¼ wave
PMAE4079A	150	¼ wave



From bottom to top: AN00348A01, AN000350A01, AN00351A01, PMAE4069A, PMAE4070A, PMAE4071A and PMAE4079A

3.2 Body worn accessories



**PMLN7008A
DUT Side View**

**PMLN7008A
DUT Back View**



**PMLN4651A
DUT Back View**

**PMLN4651A
DUT Side View**



PMLN7008A



PMLN4651A



**PMLN8299 with NTN5243A
(Front view)**



**PMLN8299 with NTN5243A
(Side view)**



**PMLN8301 with NTN5243A
(Front View)**



**PMLN8301 with NTN5243A
(Side View)**



**PMLN8299 with RLN6487A +
RLN6488A (Front View)**



**PMLN8299 with RLN6487A +
RLN6488A (Side View)**



HLN6602 Chest pack

3.3 Battery accessories:



PMNN4810A



PMNN4809A



PMNN4808A



PMNN4807A

3.4 Audio accessories:



PMMN4128A



PMLN8297A &
PMLN8265A



PMLN8337A



PMLN8343A



PMMN4151A



PMLN8086A



PMMN4150A



PMLN8464A



PMLN8465A



PMLN8342A



PMLN8341A

3.5 DUT Dimensions

	Height (mm)	Width (mm)	Depth (mm)
Radio only (w/o battery)	134	62.7	34.8
Radio with battery PMNN4807A	134	62.7	37.7
Radio with battery PMNN4808A	134	62.7	43.7
Radio with battery PMNN4809A	134	62.7	37.8
Radio with battery PMNN4810A	134	62.7	44.4

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



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

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

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