

**Exhibit 7B: SAR Test Report Photographs**

Enterprise Mobility Solutions
EME Test Laboratory
Motorola Solutions Malaysia Sdn Bhd (455657-H)
Customer Solution Center
Plot 2, Bayan Lepas Technoplex Industrial Park,
Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.



Deanna M. Zakharie

**EMS EME Lab Senior Resource Manager,
Laboratory Director**

Approval Date: 8/29/2011

Exhibit 7B Revision History

Date	Revision	Comments
8/18/11	O	Initial release

1.0 Highest SAR Test Position per body location

1.1 Body

DUT w/ antenna PMAD4121A offered battery PMNN4416A, audio cable PMLN5727A and body worn accessory PMLN4651A against the phantom. Same position used for the other offered antennas (see table below) and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4116A	PMNN4416A	5	37	54
PMAD4117A	PMNN4416A	5	37	54
PMAD4118A	PMNN4416A	5	37	54
PMAD4120A	PMNN4416A	5	37	45
PMAD4121A	PMNN4416A	5	37	45
PMAD4121A	PMNN4417A	5	37	46
PMAD4121A	PMNN4418A	6	42	52
PMAD4121A	PMNN4415A	6	42	52
PMAD4119A	PMNN4416A	5	37	45

1.2 Face

DUT w/ front side separated 2.5cm from phantom with antenna PMAD4121A and battery PMNN4416A. Same position used for the other offered antennas (see table below) and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4116A	PMNN4416A	31	31	37
PMAD4117A	PMNN4416A	31	31	37
PMAD4118A	PMNN4416A	31	31	37
PMAD4120A	PMNN4416A	31	31	33
PMAD4121A	PMNN4416A	31	31	33
PMAD4121A	PMNN4418A	31	31	33
PMAD4121A	PMNN4417A	31	31	33
PMAD4121A	PMNN4415A	31	31	33
PMAD4119A	PMNN4416A	31	31	33

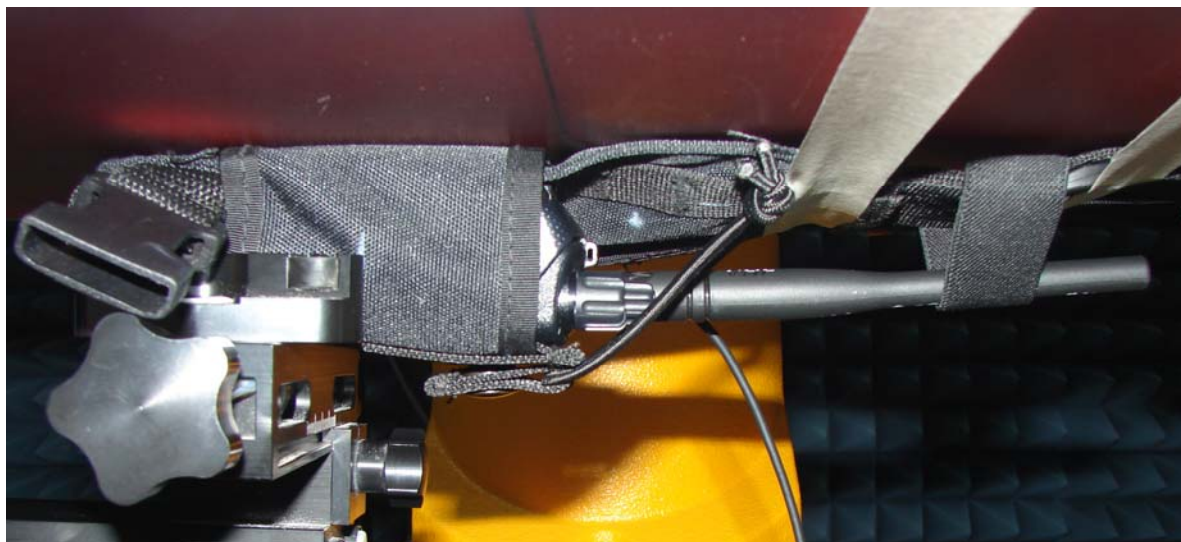
1.3 Head
Not Applicable

1.4 Hand
Not Applicable

2.0 Other SAR tested positions at the body

2.1 Body worn

DUT w/ antenna PMAD4116A, battery PMNN4416A and body worn HLN6602A attached, audio cable PMLN5727A against the phantom. Same position used for the other offered antennas (see table below) and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna`s base	@ antenna`s tip
PMAD4116A	PMNN4416A	3	29	22
	PMNN4417A	3	29	22
	PMNN4418A	3	34	20
	PMNN4415A	3	34	20
PMAD4117A	PMNN4416A	3	29	22
PMAD4118A	PMNN4416A	3	29	22
PMAD4120A	PMNN4416A	3	29	31
PMAD4121A	PMNN4416A	3	29	31

DUT w/ antenna PMAD4116A, battery PMNN4416A, audio cable PMLN5727A and body worn PMLN5863A against the phantom. Same position used for the other offered antennas (see table below) and batteries.



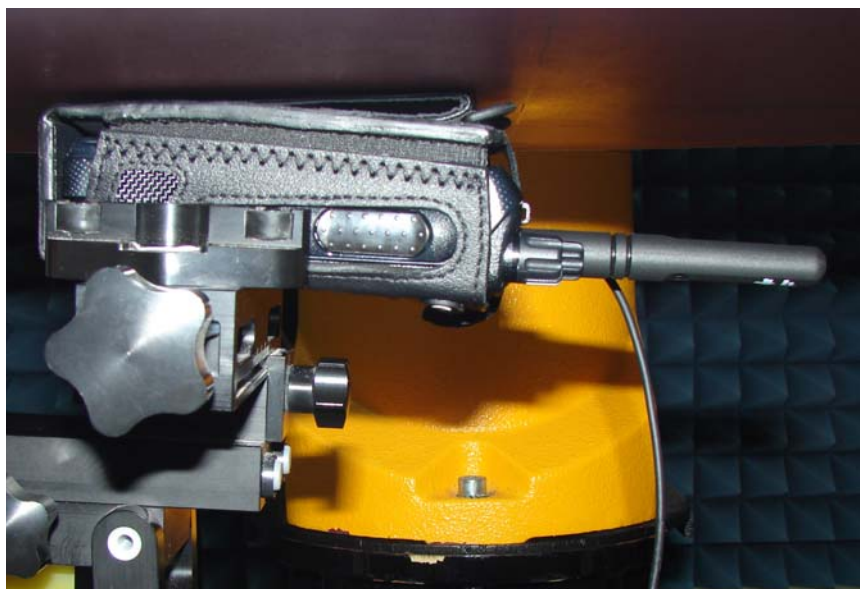
Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4116A	PMNN4416A	0	62	108
PMAD4117A	PMNN4416A	0	62	108
PMAD4118A	PMNN4416A	0	62	108
PMAD4120A	PMNN4416A	0	62	89
PMAD4121A	PMNN4416A	0	62	89
PMAD4116A	PMNN4417A	0	62	108
PMAD4116A	PMNN4418A	0	67	115
PMAD4116A	PMNN4415A	0	67	115

DUT w/ antenna PMAD4116A, battery PMNN4416A, audio cable PMLN5727A and body worn PMLN5865A against the phantom. Same position used for the other offered antennas (see table below) and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4116A	PMNN4416A	15	69	104
PMAD4117A	PMNN4416A	15	69	104
PMAD4118A	PMNN4416A	15	69	104
PMAD4120A	PMNN4416A	15	69	85
PMAD4121A	PMNN4416A	15	69	85
PMAD4117A	PMNN4417A	15	69	104
PMAD4117A	PMNN4418A	11	75	119
PMAD4117A	PMNN4415A	11	75	119

DUT w/ antenna PMAD4121A, battery PMNN4416A, audio cable PMLN5727A and body worn PMLN5869A against the phantom. Same position used for the other offered antennas (see table below) and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4116A	PMNN4416A	2	37	52
PMAD4117A	PMNN4416A	2	37	52
PMAD4118A	PMNN4416A	2	37	52
PMAD4120A	PMNN4416A	2	37	42
PMAD4121A	PMNN4416A	2	37	42
PMAD4121A	PMNN4417A	2	37	42
PMAD4121A	PMNN4418A	3	41	47
PMAD4121A	PMNN4415A	3	41	47

DUT w/ antenna PMAD4116A, battery PMNN4416A, audio cable PMLN5727A and body worn PMLN5867A against the phantom. Same position used for the other offered antennas (see table below) and batteries.



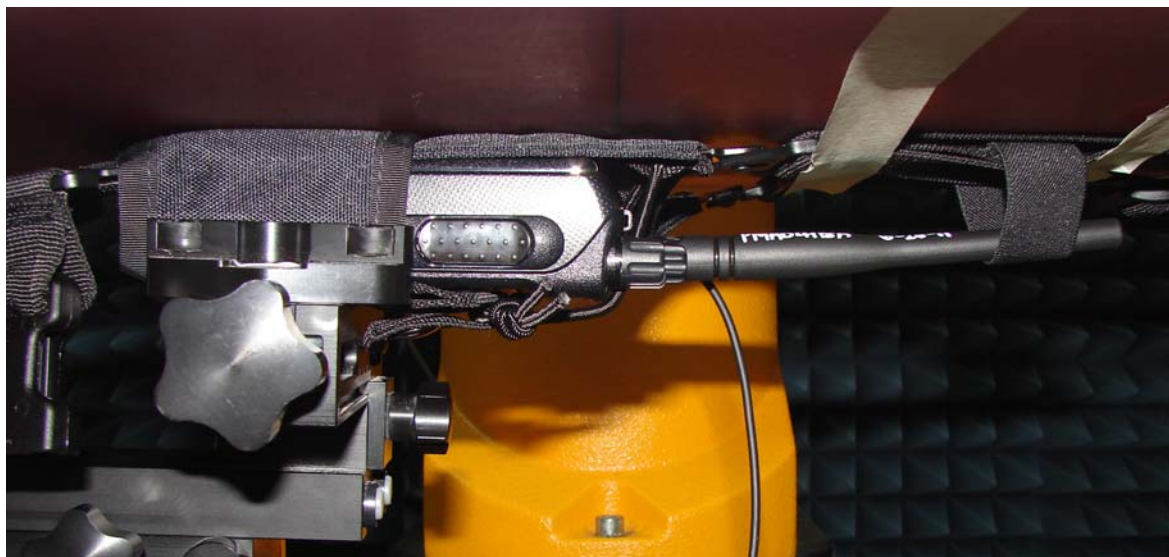
Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna`s base	@ antenna`s tip
PMAD4116A	PMNN4416A	11	72	117
PMAD4117A	PMNN4416A	11	72	117
PMAD4118A	PMNN4416A	11	72	117
PMAD4120A	PMNN4416A	7	72	101
PMAD4121A	PMNN4416A	7	72	101
PMAD4117A	PMNN4417A	7	72	101
PMAD4117A	PMNN4418A	10	75	126
PMAD4117A	PMNN4415A	11	72	117

DUT w/ antenna PMAD4116A, battery PMNN4416A, audio cable PMLN5727A and body worn PMLN7008A against the phantom. Same position used for the other offered antennas (see table below) and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna`s base	@ antenna`s tip
PMAD4116A	PMNN4416A	5	37	57
PMAD4117A	PMNN4416A	5	37	55
PMAD4118A	PMNN4416A	5	37	55
PMAD4120A	PMNN4416A	5	37	46
PMAD4121A	PMNN4416A	5	37	47
PMAD4116A	PMNN4417A	5	37	57
PMAD4116A	PMNN4418A	6	42	62
PMAD4116A	PMNN4415A	5	41	60

DUT w/ antenna PMAD4116A, battery PMNN4416A, audio cable PMLN5727A and body worn RLN4570A against the phantom. Same position used for the other offered antennas (see table below) and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4116A	PMNN4416A	0	28	23
PMAD4117A	PMNN4416A	0	28	23
PMAD4118A	PMNN4416A	0	28	23
PMAD4120A	PMNN4416A	0	28	23
PMAD4121A	PMNN4416A	0	28	23
PMAD4118A	PMNN4417A	0	28	23
PMAD4118A	PMNN4418A	0	33	24
PMAD4118A	PMNN4415A	0	33	24

DUT w/ antenna PMAD4121A, battery PMNN4416A, audio cable PMLN5727A and body worn RLN4815A against the phantom. Same position used for the other offered antennas (see table below) and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna`s base	@ antenna`s tip
PMAD4116A	PMNN4416A	12	47	54
PMAD4117A	PMNN4416A	12	47	54
PMAD4118A	PMNN4416A	12	47	54
PMAD4120A	PMNN4416A	12	47	52
PMAD4121A	PMNN4416A	12	47	52
PMAD4121A	PMNN4417A	12	47	52
PMAD4121A	PMNN4418A	12	52	57
PMAD4121A	PMNN4415A	12	52	57

DUT w/ antenna PMAD4116A, battery PMNN4416A, audio cable PMLN5727A and body worn PMLN5863A/NTN5243A with fixed belt loop against the phantom. Same position used for the other offered antennas (see table below) and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4116A	PMNN4416A	0	62	108
PMAD4117A	PMNN4416A	0	62	108
PMAD4118A	PMNN4416A	0	62	108
PMAD4120A	PMNN4416A	0	62	89
PMAD4121A	PMNN4416A	0	62	89
PMAD4121A	PMNN4416A	0	62	89
PMAD4121A	PMNN4416A	0	62	89
PMAD4116A	PMNN4417A	0	62	89
PMAD4116A	PMNN4418A	0	67	115
PMAD4116A	PMNN4415A	0	67	115

DUT w/ antenna PMAD4116A, battery PMNN4416A, audio cable PMLN5727A and body worn PMLN5865A/NTN5243A without belt loop against the phantom. Same position used for the other offered antennas (see table below) and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna`s base	@ antenna`s tip
PMAD4116A	PMNN4416A	0	52	87
PMAD4117A	PMNN4416A	0	52	87
PMAD4118A	PMNN4416A	0	52	87
PMAD4120A	PMNN4416A	0	52	72
PMAD4121A	PMNN4416A	0	52	72
PMAD4116A	PMNN4418A	0	58	95
PMAD4116A	PMNN4417A	0	52	87
PMAD4116A	PMNN4415A	0	52	87

DUT w/ antenna PMAD4121A, battery PMNN4416A, audio cable PMLN5727A and body worn PMLN5869A/NTN5243A with fixed belt loop against the phantom. Same position used for the other offered antennas (see table below) and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4116A	PMNN4416A	2	37	52
PMAD4117A	PMNN4416A	2	37	52
PMAD4118A	PMNN4416A	2	37	52
PMAD4120A	PMNN4416A	2	37	42
PMAD4121A	PMNN4416A	2	37	42
PMAD4121A	PMNN4418A	3	41	47
PMAD4121A	PMNN4417A	2	37	42
PMAD4121A	PMNN4415A	3	41	47
PMAD4121A	PMNN4416A	5	37	45

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 Back 2.5cm separation
Not Applicable

- 2.6 **Antenna 2.5cm separation**
 Not Applicable

3 Other SAR tested position at the face

- 3.1 **Back of DUT at 2.cm separation**
 Not Applicable

4 Other SAR tested positions at the head

- 4.2 **Left ear touch**
 Not Applicable

- 4.3 **Left ear tilt**
 Not Applicable

- 4.4 **Right ear touch**
 Not Applicable

- 4.5 **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 offered accessories.

6.1 Antenna photos:

Antenna Kit #	Physical Length (mm)	Electrical Length
PMAD4116A	150	$\frac{1}{2}$ wave
PMAD4117A	150	$\frac{1}{2}$ wave
PMAD4118A	150	$\frac{1}{2}$ wave
PMAD4119A	90	$\frac{1}{4}$ wave
PMAD4120A	90	$\frac{1}{4}$ wave
PMAD4121A	90	$\frac{1}{4}$ wave



6.2 Tested body worn accessories



Radio pack RLN4815A



**Break-A-Way Chest
pack RLN4570A**



Chest pack HLN6602A



Carry strap NTN5243A



**DUT Side View
Belt clip PMLN4651A
2 inch**



**DUT Back View
Belt clip PMLN4651A
2 inch**



**DUT Side View
Belt clip PMLN7008A
2.5 inch**



**DUT Back View
Belt clip PMLN7008A
2.5 inch**



DUT Front View
Hard leather carry case PMLN5863A
w/ fixed belt loop



DUT Side View
Hard leather carry case PMLN5863A
w/ fixed belt loop



DUT Back View
Hard leather carry case PMLN5863A
w/ fixed belt loop



DUT Front View
Hard leather carry case
PMLN5865A w/ swivel belt loop



DUT Side View
Hard leather carry case
PMLN5865A w/ swivel belt loop



DUT Back View
Hard leather carry case
PMLN5865A w/ swivel belt loop



DUT Front View
Nylon carry case PMLN5869A w/
fixed belt loop



DUT Side View
Nylon carry case PMLN5869A w/
fixed belt loop



DUT Back View
Nylon carry case PMLN5869A
w/ fixed belt loop



DUT Front View
Hard leather carry case
PMLN5867A w/ swivel belt loop



DUT Side View
Hard leather carry case
PMLN5867A w/ swivel belt loop



DUT Back View
Hard leather carry case
PMLN5867A w/ swivel belt loop

6.3 Tested audio accessories



PMLN5727A Earpiece Mic/PTT
Similar to PMLN5733A



PMLN5732A Ear set w/ Mic



PMLN5731A Headset w/ In-line PTT



PMLN5724A 2-Wire Surveillance



PMMN4075A RSM
Similar to PMMN4076A except 3.5mm jack



PMMN4071A RSM w/ 3.5mm jack
Similar to PMMN4073A



AARLN4885B Earbud w/ coiled cord
Similar to WADN4190B/PMLN4620B/RLN4941A

6.4 Tested battery accessories

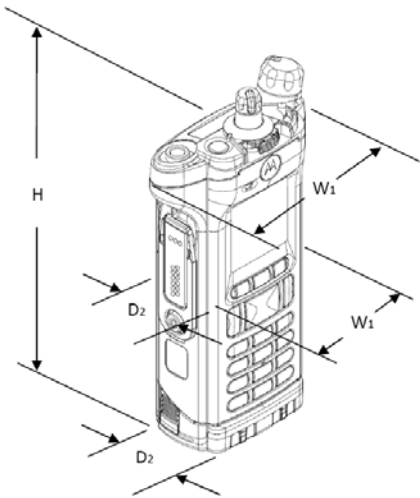


PMNN4415A PMNN4416A PMNN4417A PMNN4418A

6.5 DUT Dimensions

	Height (mm)	Width (mm)	Depth (mm)
Radio only (w/o battery)	122	56	31.6
Radio with battery PMNN4416A	122	56	36.4

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)