



Exhibit 7B: SAR Test Report Photographs

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A handwritten signature in black ink that reads 'Deanna Zakharia'.

Deanna Zakharia
EMS EME Lab Senior Resource Manager,
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Report Revision History

Date	Revision	Comments
04/23/2013	0	Initial release

1.0 Highest SAR Test Position per body location

1.1 Body

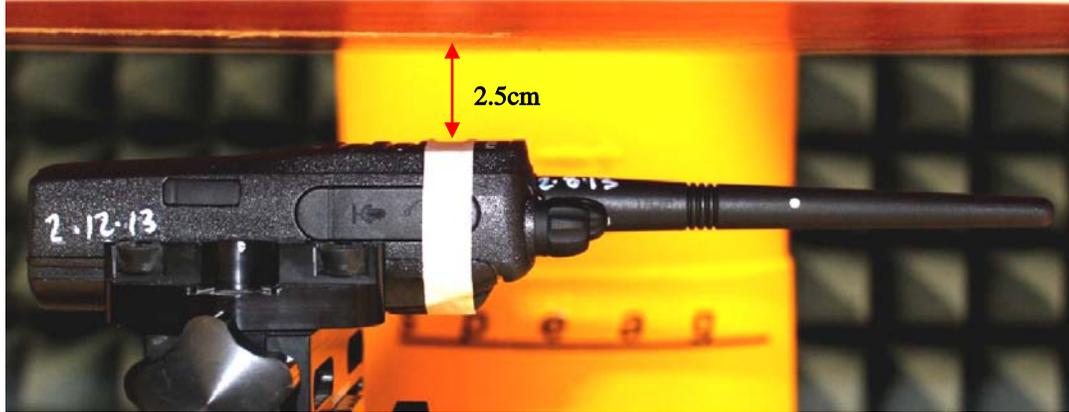
DUT w/ antenna HAD9742A with offered battery NNTN4970A and body worn HLN6602A against the phantom and audio cable PMMN4013A attached. Same position used for the other applicable offered antennas and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4042A	NNTN4970A	8	22	18
PMAD4012A	NNTN4970A	8	22	18
PMAD4014A	NNTN4970A	7	22	16
NAD6502AR	NNTN4970A	7	22	16
HAD9742A	NNTN4970A	7	22	19
HAD9743A	NNTN4970A	7	22	19
HAD9742A	NNTN4851A	7	25	25
	NNTN4852A	7	25	26
	NNTN4497CR	7	28	27
	PMNN4251AR	7	27	26
	PMNN4252AR	7	27	26
	PMNN4253AR	7	22	23
	PMNN4072A	7	24	23
	PMNN4254AR	7	26	26

1.2 Face

DUT w/ front side separated 2.5cm from phantom with antenna PMAD4042A and battery PMNN4254AR
 Same position used for the other applicable offered antennas and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4042A	PMNN4254AR	32	35	40
PMAD4012A	PMNN4254AR	32	35	41
PMAD4014A	PMNN4254AR	32	35	43
NAD6502AR	PMNN4254AR	32	35	42
HAD9742A	PMNN4254AR	32	35	40
HAD9743A	PMNN4254AR	32	35	37
PMAD4042A	NNTN4851A	32	35	43
	NNTN4852A	32	35	42
	NNTN4497CR	32	35	42
	NNTN4970A	32	35	43
	PMNN4251AR	32	35	41
	PMNN4252AR	32	35	42
	PMNN4253AR	32	35	43
	PMNN4072A	32	35	42

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 PMAD4014A battery NNTN4970A, audio cable PMMN4013A and body worn RLN5644A against the phantom. Same position used for the other applicable offered antennas and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4042A	NNTN4970A	2	33	57
PMAD4012A	NNTN4970A	2	33	49
PMAD4014A	NNTN4970A	2	33	59
NAD6502AR	NNTN4970A	2	34	58
HAD9742A	NNTN4970A	2	34	46
HAD9743A	NNTN4970A	2	34	46
PMAD4014A	NNTN4851A	2	33	59
	NNTN4852A	4	35	55
	NNTN4497CR	4	35	55
	PMNN4251AR	4	35	55
	PMNN4252AR	4	35	55
	PMNN4253AR	2	35	57
	PMNN4072A	3	34	55
	PMNN4254AR	4	35	55

DUT w/antenna PMAD4014A battery NNTN4970A, audio cable PMMN4013A and body worn HLN8255B against the phantom. Same position used for the other applicable offered antennas and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4042A	NNTN4970A	10	32	47
PMAD4012A	NNTN4970A	10	32	43
PMAD4014A	NNTN4970A	10	32	49
NAD6502AR	NNTN4970A	10	32	52
HAD9742A	NNTN4970A	10	32	42
HAD9743A	NNTN4970A	10	32	39
PMAD4014A	NNTN4851A	10	32	45
	NNTN4852A	10	34	46
	NNTN4497CR	10	34	46
	PMNN4251AR	10	34	46
	PMNN4252AR	10	35	47
	PMNN4253AR	9	32	48
	PMNN4072A	9	32	45
	PMNN4254AR	9	35	46

DUT w/antenna PMAD4014A, battery NNTN4970A, audio cable PMMN4013A and body worn RLN5383A against the phantom. Same position used for the other applicable offered antennas and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4042A	NNTN4970A	0	60	97
PMAD4012A	NNTN4970A	0	60	82
PMAD4014A	NNTN4970A	0	60	98
NAD6502AR	NNTN4970A	0	60	101
HAD9742A	NNTN4970A	0	60	80
HAD9743A	NNTN4970A	0	60	80
PMAD4014A	NNTN4851A	0	60	101
	NNTN4852A	0	60	103
	NNTN4497CR	0	60	104
	PMNN4251AR	0	60	102
	PMNN4252AR	0	60	97
	PMNN4253AR	0	60	97
	PMNN4072A	0	60	97
	PMNN4254AR	0	60	97

DUT w/antenna PMAD4042A, battery NNTN4970A, audio cable PMMN4013A and body worn RLN5385B against the phantom. Same position used for the other applicable offered antennas and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4042A	NNTN4970A	6	62	104
PMAD4012A	NNTN4970A	6	62	89
PMAD4014A	NNTN4970A	6	62	103
NAD6502AR	NNTN4970A	6	62	103
HAD9742A	NNTN4970A	6	62	88
HAD9743A	NNTN4970A	6	62	85
PMAD4042A	NNTN4851A	6	62	104
	NNTN4852A	6	62	104
	NNTN4497CR	6	62	104
	PMNN4251AR	6	62	104
	PMNN4252AR	6	62	104
	PMNN4253AR	6	62	103
	PMNN4072A	6	62	104
	PMNN4254AR	6	62	104

DUT w/antenna PMAD4042A, battery PMMN4253AR, audio cable PMMN4013A and body worn HLN9701B against the phantom. Same position used for the other applicable offered antennas and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4042A	NNTN4970A	6	35	51
PMAD4012A	NNTN4970A	6	35	46
PMAD4014A	NNTN4970A	6	35	51
NAD6502AR	NNTN4970A	6	35	51
HAD9742A	NNTN4970A	6	35	45
HAD9743A	NNTN4970A	6	35	44
PMAD4042A	NNTN4851A	6	35	48
	NNTN4852A	6	35	48
	NNTN4497CR	6	35	47
	PMNN4251AR	6	35	49
	PMNN4252AR	6	35	49
	PMNN4253AR	6	35	46
	PMNN4072A	6	35	47
	PMNN4254AR	6	35	53

DUT w/antenna PMAD4042A, battery NNTN4970A, audio cable PMMN4013A and body worn RLN4815A against the phantom. Same position used for the other applicable offered antennas and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4042A	NNTN4970A	25	40	45
PMAD4012A	NNTN4970A	25	40	46
PMAD4014A	NNTN4970A	25	40	47
NAD6502AR	NNTN4970A	25	40	44
HAD9742A	NNTN4970A	25	40	42
HAD9743A	NNTN4970A	25	40	43
PMAD4042A	NNTN4851A	27	43	47
	NNTN4852A	27	43	44
	NNTN4497CR	27	44	47
	PMNN4251AR	28	43	44
	PMNN4252AR	27	44	51
	PMNN4253AR	27	44	51
	PMNN4072A	27	44	49
	PMNN4254AR	23	47	52

DUT w/antenna PMAD4014A, battery NNTN4970A, audio cable PMMN4013A and body worn RLN5383A/NTN5243A with fixed belt loop against the phantom. Same position used for the other applicable offered antennas and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4042A	NNTN4970A	0	60	97
PMAD4012A	NNTN4970A	0	60	82
PMAD4014A	NNTN4970A	0	60	98
NAD6502AR	NNTN4970A	0	60	101
HAD9742A	NNTN4970A	0	60	80
HAD9743A	NNTN4970A	0	60	80
NAD6502AR	NNTN4851A	0	60	96
	NNTN4852A	0	60	96
	NNTN4497CR	0	60	96
	PMNN4251AR	0	60	96
	PMNN4252AR	0	60	96
	PMNN4253AR	0	60	96
	PMNN4072A	0	60	96
	PMNN4254AR	0	60	96

DUT w/antenna PMAD4042A, battery NNTN4970A, audio cable PMMN4013A and body worn RLN5385B/NTN5243A without belt loop against the phantom. Same position used for the other applicable offered antennas and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4042A	NNTN4970A	0	49	85
PMAD4012A	NNTN4970A	0	49	72
PMAD4014A	NNTN4970A	0	49	81
NAD6502AR	NNTN4970A	0	49	86
HAD9742A	NNTN4970A	0	49	69
HAD9743A	NNTN4970A	0	49	69
PMAD4042A	NNTN4851A	0	50	85
	NNTN4852A	0	54	89
	NNTN4497CR	0	54	89
	PMNN4251AR	0	54	89
	PMNN4252AR	0	54	89
	PMNN4253AR	0	45	76
	PMNN4072A	0	49	81
	PMNN4254AR	0	52	90

DUT w/antenna PMAD4042A, battery NNTN4970A, audio cable PMMN4013A and body worn HLN9701B/NTN5243A with fixed belt loop against the phantom. Same position used for the other applicable offered antennas and batteries.



Antenna kit #	Battery kit #	Separation Distances (mm)		
		@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAD4042A	NNTN4970A	6	35	47
PMAD4012A	NNTN4970A	6	35	44
PMAD4014A	NNTN4970A	6	35	50
NAD6502AR	NNTN4970A	6	35	49
HAD9742A	NNTN4970A	6	35	42
HAD9743A	NNTN4970A	6	35	42
PMAD4042A	NNTN4851A	0	35	47
	NNTN4852A	0	42	59
	NNTN4497CR	0	38	50
	PMNN4251AR	0	38	51
	PMNN4252AR	0	36	48
	PMNN4253AR	0	32	44
	PMNN4072A	0	34	46
	PMNN4254AR	0	36	48

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**
Not applicable.

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 offered accessories. Refer to Part 1 of 2, section 7.0 for more details.

6.1 Antenna dimension and photo(s):

No.	Antenna Kit #	Physical Length (cm)	Electrical Length
1	HAD9742A	9	1/4 wave
2	HAD9743A	8	1/4 wave
3	PMAD4012A	9	1/4 wave
4	PMAD4042A	14	1/4 wave
5	PMAD4014A	14	1/4 wave
6	NAD6502AR	15	1/4 wave

Left-Right; 1 to 6



6.2 Body worn accessories:



DUT Back View
RLN5644A Spring Action 2 Inch Belt loop

DUT Side View
RLN5644A Spring Action 2 Inch Belt loop



DUT Back View
HLN8255B Spring Action 3 Inch Belt clip

DUT Side View
HLN8255B Spring Action 3 Inch Belt clip



**DUT Back View
RLN5383A ND Leather case
with Belt loop and D-rings**

**DUT Side View
RLN5383A ND Leather case with
Belt loop and D-rings**



**DUT Front View
RLN5383A ND Leather case
with Belt loop and D-rings**



**DUT Back View
RLN5385B ND Leather case
with 3 Inch Swivel Belt loop**



**DUT Side View
RLN5385B ND Leather case
with 3 Inch Swivel Belt loop**



**DUT Front View
RLN5385B ND Leather case
with 3 Inch Swivel Belt loop**



DUT Back View
HLN9701B Nylon case with belt loop & D-rings Belt loop



DUT Side View
HLN9701B Nylon case with belt loop & D-rings Belt loop



DUT Front View
HLN9701B Nylon case with belt loop & D-rings Belt loop



HLN6602A Nylon Chest Pack



HLN9701B with NTN5243A Carry strap



RLN4815A Radio Pack

6.3 Battery accessories:



Left-Right; Back, front and side views: NNTN4497CR



Left-Right; Back, front and side views: NNTN4851A



Left-Right; Back, front and side views: NNTN4852A



Left-Right; Back, front and side views: NNTN4970A



Left-Right; Back, front and side views: NNTN4072A



Left-Right; Back, front and side views: PMNN4251AR



Left-Right; Back, front and side views: PMNN4252AR



Left-Right; Back, front and side views: PMNN4253AR



Left-Right; Back, front and side views: PMNN4254AR

6.4 Audio accessories:



PMMN4013A RSM



PMMN4092A RSM (Mag One)



PMLN6531A EarReceiver with In-Line Mic/PTT/VOX switch (Mag One)



PMLN6537A Earset with Boom Mic and In-Line PTT/VOX switch (Mag One)



PMLN6538A Lightweight Headset with Swivel Boom Microphone



PMLN6539A Medium Weight Over-The-Head Dual Muff Headset



PMLN6540A Heavy-Duty Noise Cancelling Boom Mic Headset



PMLN6541A Lightweight Temple Transducer Headset



PMLN6530A 2-Wire Surveillance Kit (Black) with Clear Acoustic Earpiece (less expensive-Palm Garden)

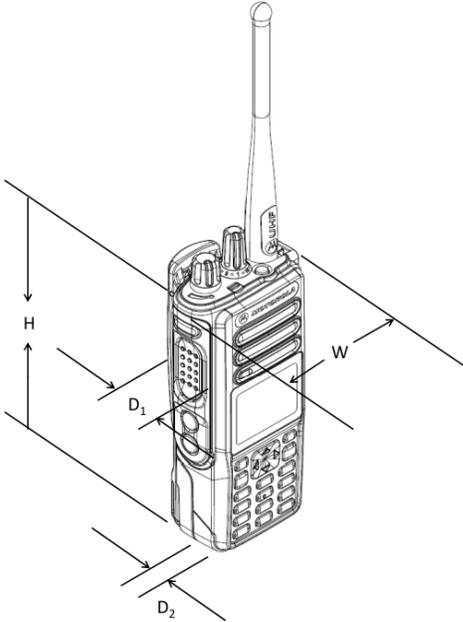


RLN4941A Receive only Earpiece w/translucent tube & eartip

6.5 DUT Dimensions

	Height (mm)	Width (mm)	Depth (mm)
Radio only (w/o battery)	127.7	61.5	22
Radio with battery NNTN4970A	127.7	61.5	39

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



Note: H = Height; W = Width; D₁ = Depth w/ battery; D₂ = Depth w/o battery