

1  MOTOROLA SOLUTIONS	 MS ISO/IEC 17025 TESTING SAMM No.0826
Exhibit 7B: SAR Test Report Photographs	
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Report Revision History

Date	Revision	Comments
08/06/2018	A	Initial release

1.0 Highest SAR Test Position per body location

1.1 Body

DUT with fixed antenna, offered battery KEBT-1300 and body worn kit PMLN7220A against the phantom with an audio accessory GU6443A (1518) attached. Same position used for other applicable offered batteries and audio accessories.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
Fixed antenna	9	23	26

1.2 Face

Front of DUT with fixed antenna and offered battery KEBT-1300 separated 2.5cm from the phantom without an audio accessory attached. Same position used for other applicable offered batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
Fixed antenna	25	34	36

2.0 Other SAR tested positions at the body

2.1 Body worn

DUT with fixed antenna, offered battery AA Alkaline and belt clip PMLN7240A against the phantom with an audio accessory 53725C attached. Same position used for other applicable offered.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
Fixed antenna	13	26	28

DUT with fixed antenna, offered battery KEBT-1300 and body worn kit PMLN7706A against the phantom with an audio accessory 53725C attached. Same position used for other applicable offered batteries.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
Fixed antenna	0	21	23

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 and its dimensions

Antenna Kit #	Physical Length (mm)	Electrical Length
Fixed antenna	80	$\frac{1}{4}$ wave



Antenna model: EAN.144F.823RA1 (pointed with arrow)

3.2 Body worn accessories

Belt Clip PMLN7240A



Side view



Back view

Belt Clip PMLN7220A



Side view



Back view

Carry Pouch PMLN7706A



Front view



Side View



Back View

3.3 Battery accessories:

KEBT-1300 NiMH rechargeable battery packs (front, side, and back view)



3x AA Alkaline battery



PMNN4477A NiMH rechargeable battery packs (front, side, and back view)



3.4 Audio accessories:



GU6443A (1518)



56320B



53724C



53725C



53727B



PMLN7705AR

3.5 DUT Dimensions

	Height (mm)	Width (mm)	Depth (mm)
Radio with batteries PMNN4477A, KEBT-1300 and 3xAA Alkaline	125	61	39

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



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

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

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