



**L3HARRIS®**  
FAST. FORWARD.

## RF-3152-AT152

### Manpack UHF/VHF Blade Antenna

ELECTRICAL		
<b>Frequency Range</b>	30 MHz to 512 MHz	
<b>RF Power Capacity</b>	10 W	
<b>Radiation Pattern</b>	Omnidirectional	
<b>VSWR</b>	Less than 3.0:1 for 90% of each band, relative to 50 ohms	
<b>Gain</b>	30-70 MHz	-28 dBi gain
	70-90 MHz	-15 dBi gain
	90-450 MHz	-5 dBi gain
	450-512 MHz	-12.5 dBi gain

MECHANICAL	
<b>Connection</b>	TNC
<b>Total Length</b>	~20.0 in (~50.8 cm)
<b>Max Width</b>	~1 in (~2.54 cm)
<b>Antenna Weight</b>	~7.4 oz (~210 g)
<b>Color/Finish</b>	Black

ENVIRONMENTAL	
<b>Ice/Freezing</b>	MIL-STD-810G, test method 521.3
<b>Shock (Transit Drop)</b>	MIL-STD-810G, test method 516.5
<b>Salt/Fog</b>	MIL-STD-810G, test method 509.5



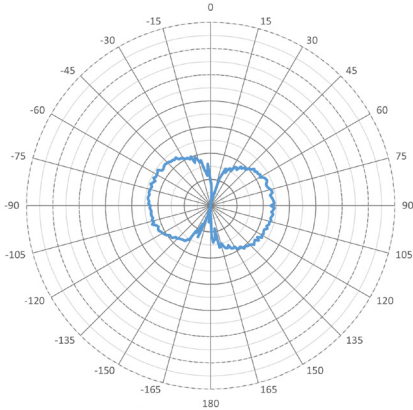
The RF-3152 Manpack Antenna is a lightweight, rugged and cost-effective 20-inch blade-style antenna designed for use with the AN/PRC-117G(V)1(C) and RF-7800M-MP Falcon III® manpack transceivers.

It features a TNC connector for direct connection to the low-band port of manpack radios. The antenna incorporates a flexible gooseneck that maintains a vertical orientation when mounted horizontally, enabling effective use in rucksacks, on tables and in other static and mobile configurations.

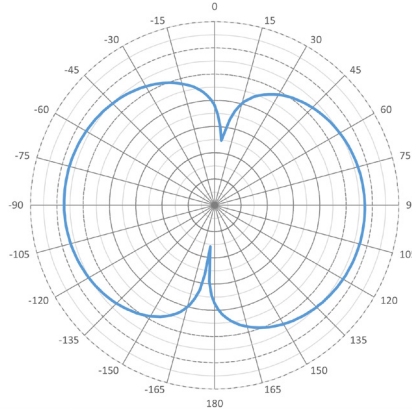
The RF-3152 can be fully deployed, bent or folded to accommodate different operational setups and operator movement. This design provides a compact, adaptable antenna solution suitable for field communication in a variety of operational environments.

# RF-3152-AT152 ELEVATION PATTERNS

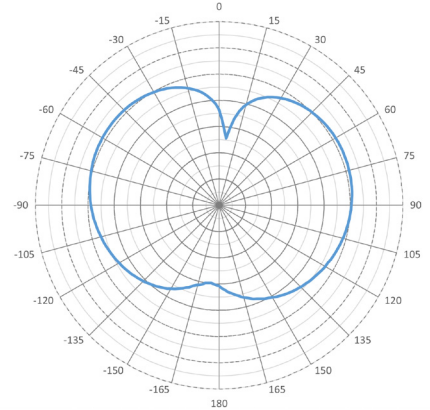
### Elevation Pattern for 30 MHz



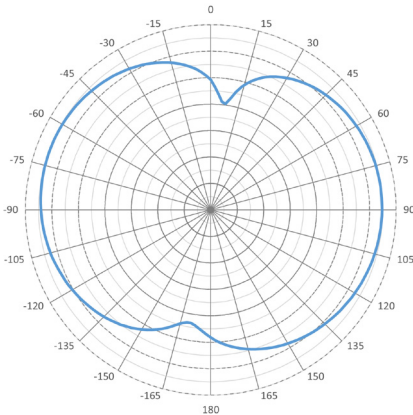
### Elevation Pattern for 90 MHz



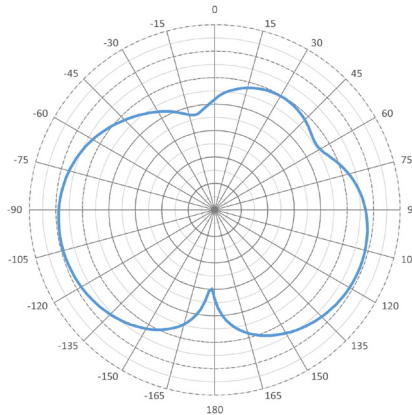
### Elevation Pattern for 150 MHz



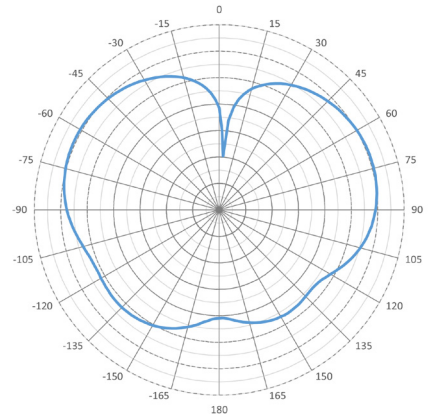
### Elevation Pattern for 210 MHz



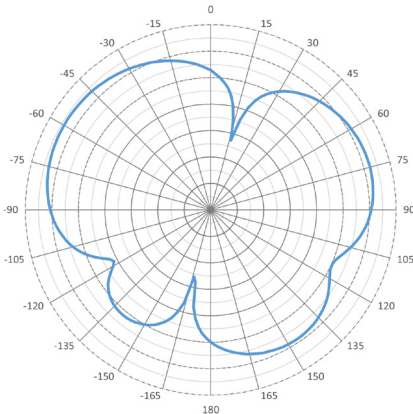
### Elevation Pattern for 270 MHz



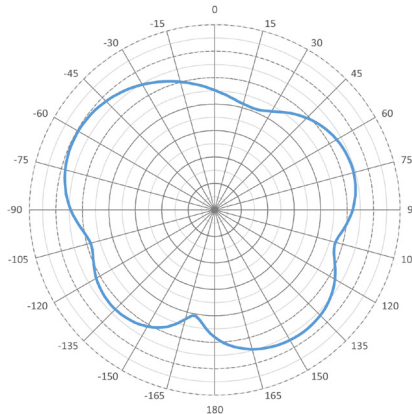
### Elevation Pattern for 330 MHz



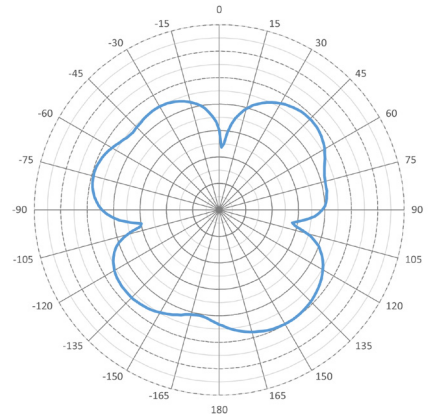
### Elevation Pattern for 390 MHz



### Elevation Pattern for 450 MHz



### Elevation Pattern for 521 MHz



RF-3152-AT152

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