

The MPMP25X20 broadband monopole antenna is designed to be used in military manpack, commercial, and other applications where reliability is needed most. This antenna works with all radios within the 25-512 MHz band. The antenna has an instantaneous bandwidth of 487 MHz over the operating band of 25-512 MHz with a VSWR of 3.5:1 or less (see chart) within the operational band at power inputs of up to 40 Watts.

The antenna is a passive electrical design and requires no tuners, band switching, or operator adjustment of any kind. This antenna is designed to meet or exceed the applicable requirements of MIL-STD-810. The radiator is constructed from non-corrosive 304 Stainless Steel and rugged, high-impact, UV resistant Polycarbonate.

This antenna is designed with a 1-1/8" diameter x 2-3/4" long stainless steel spring for flexibility over rough conditions and obstacles.



Features

- No Matching Required
- Spring Loaded "Snap Together Whip"
- Low VSWR

Electrical Specifications

Frequency	25-512 MHz
Polarization	Vertical
Impedance	50 Ω Nominal
VSWR	3.5:1 Maximum
Gain	-8 dBi @ 25 MHz -4 dBi @ 150 MHz -3 dBi @ 200-512 MHz Reference; 1/4 Wave Whip*
Radiation Pattern	Azimuth 360° Elevation 90°
Power	40 Watts Peak
Connector	Type N or PSC-5

Mechanical Specifications

Design	Monopole
Height	70.8 in. (1.8 m)
Weight	1.07 lb. (0.49 kg)
Mount	Type N or PSC-5
Color	Black/Green/Tan/Grey

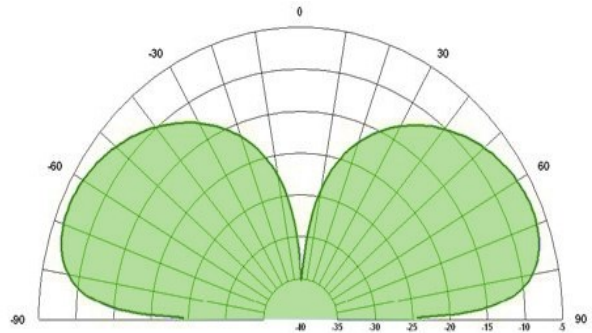
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**Specifications are subject to change without prior notice.

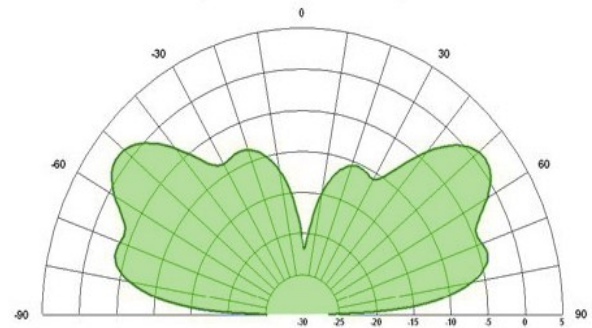


Patterns

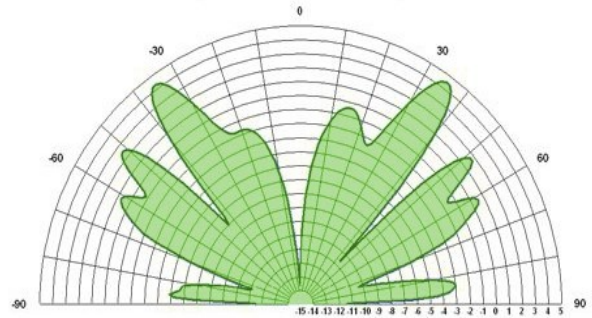
25 MHz GAIN OVER AVERAGE SOIL



150 MHz GAIN OVER AVERAGE SOIL



450 MHz GAIN OVER AVERAGE SOIL



VSWR

