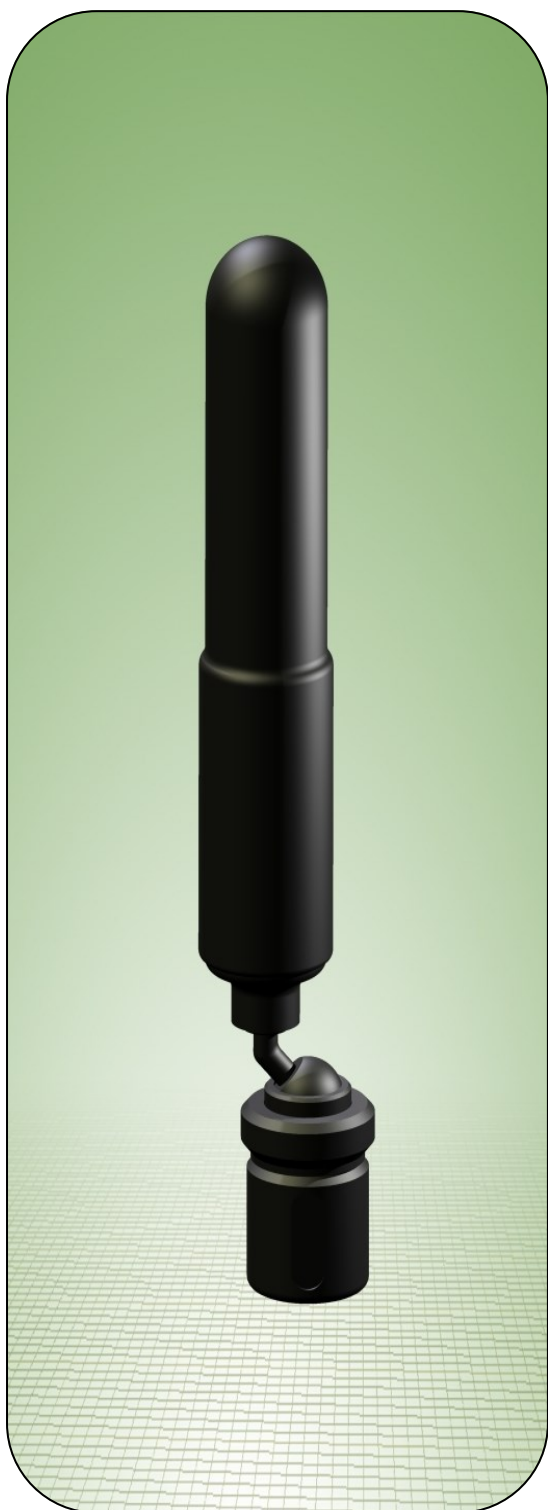


Manpack



HD
HASCALL-DENKE

Broadband Manpack Antenna



The MPMP20X50 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 20-1000 MHz band and has a VSWR of less than 3:1.

The base of the radiator is reinforced for rough handling of the radio in tactical environments.

- **Broadband**
- **Low VSWR**



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(1Y06500)

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Broadband Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range:	20-1000 MHz
VSWR:	< 2.5:1 Typical 3.0:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	30 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type N Male

MECHANICAL:

Overall Height:	8.38 in. (213 mm)
Net Weight:	.67 lb. (0.30 kg)
Color:	Black/Green/Tan/Grey
Mounting:	Type N Male

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Broadband Manpack Antenna



The MPMP20X50AC is a rugged broadband monopole manpack/portable radio antenna. It is designed to give optimum performance between 20-1000 MHz band with a VSWR of less than 3:1.

The base of the radiator is reinforced for rough handling of the radio in tactical environments. The antenna is built to meet or exceed MIL-STD-810.

- **Broadband**
- **Low VSWR**



Broadband Manpack Antenna

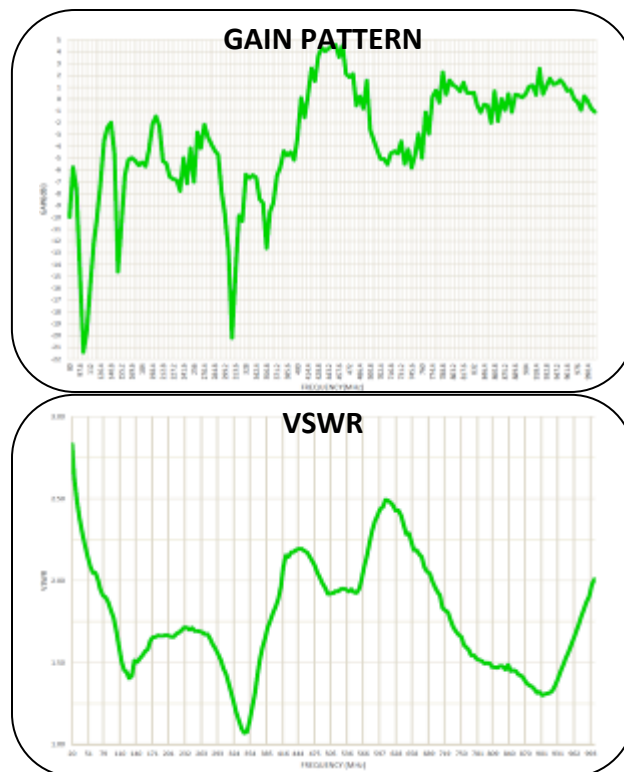
Specifications

ELECTRICAL:

Frequency Range:	20-1000 MHz
VSWR:	< 2.5:1 Typical 3.0:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	5 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type N Male

MECHANICAL:

Overall Height:	19 in. (482mm)
Net Weight:	.705 lb. (0.32 kg)
Color:	Desert Tan
Mounting:	Type N Male



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Broadband Manpack Antenna



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.

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



Made in the USA
ISO 9001:2015 Certified
(1Y04200)

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Broadband Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 25-512 MHz

Gain:
-8 dBi @ 25 MHz
-4 dBi @ 150 MHz
-3 dBi @ 200-512 MHz
Reference; 1/4 Wave Whip*

VSWR: 3.5:1 Maximum

Input Impedance: 50 Ω Nominal

Power: 40 Watts CW

Polarization: Vertical

Radiation Pattern:
Azimuth: 360°
Elevation: 90°

Input Connector: Type N or PSC-5

MECHANICAL:

Overall Height: 70.8 in. (1.8 m)

Nested Length: 28 in. (0.71 m)

Net Weight: 1.07 lb. (0.49 kg)

Color: Black/Green/Tan/Grey

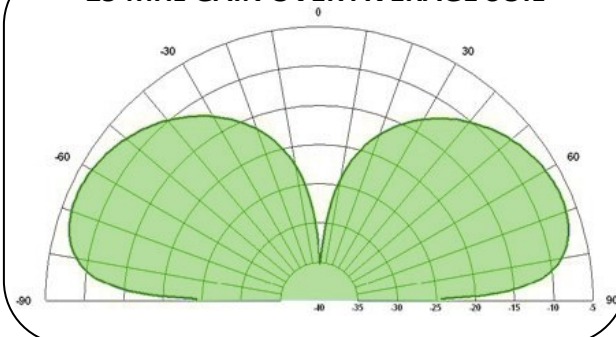
Mounting: Type N or PSC-5

*Gain measured on a manpack platform with feed point of the antenna at 60" (1.52 m) above earth ground. Reference to a 1/4 wave whip at the same measurement frequency and feed point height of 60" above earth ground.

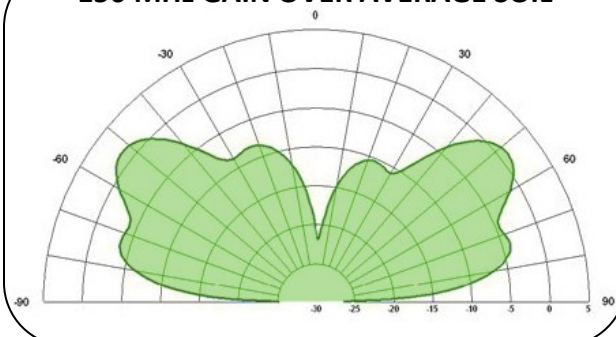
**All information on this product and the product itself is the property of and is proprietary to Hascall-Denke.

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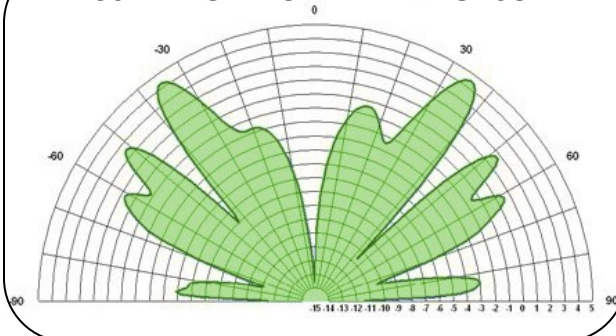
25 MHz GAIN OVER AVERAGE SOIL



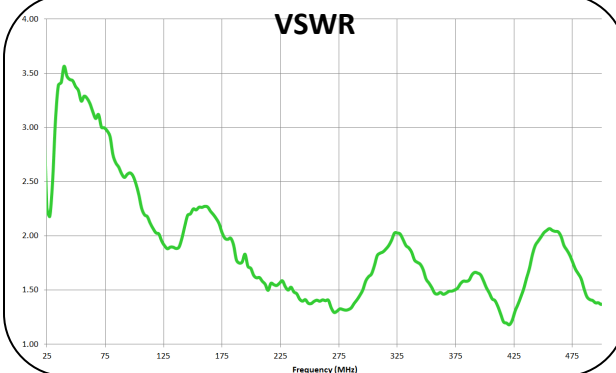
150 MHz GAIN OVER AVERAGE SOIL



450 MHz GAIN OVER AVERAGE SOIL



VSWR



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Broadband Manpack Antenna



The MPMP25X20AB 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.

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



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Broadband Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 25-512 MHz

Gain:
-8 dBi @ 25 MHz
-4 dBi @ 150 MHz
-3 dBi @ 200-512 MHz
Reference; 1/4 Wave Whip*

VSWR: 3.5:1 Maximum

Input Impedance: 50 Ω Nominal

Power: 40 Watts CW

Polarization: Vertical

Radiation Pattern:
Azimuth: 360°
Elevation: 90°

Input Connector: Type N or PSC-5

MECHANICAL:

Overall Height: 70.8 in. (1.8 m)

Nested Length: 28 in. (0.71 m)

Net Weight: 1.07 lb. (0.49 kg)

Color: Black/Green/Tan/Grey

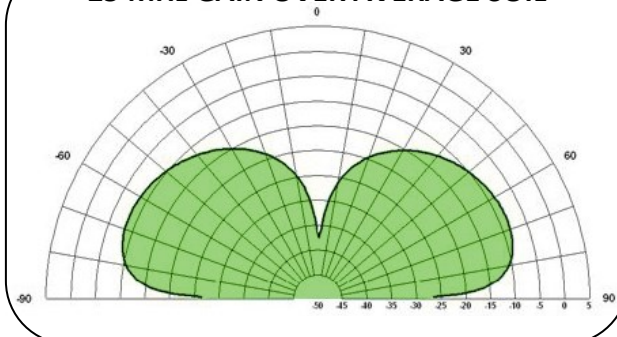
Mounting: Type N or PSC-5

*Gain measured on a manpack platform with feed point of the antenna at 60" (1.52 m) above earth ground. Reference to a 1/4 wave whip at the same measurement frequency and feed point height of 60" above earth ground.

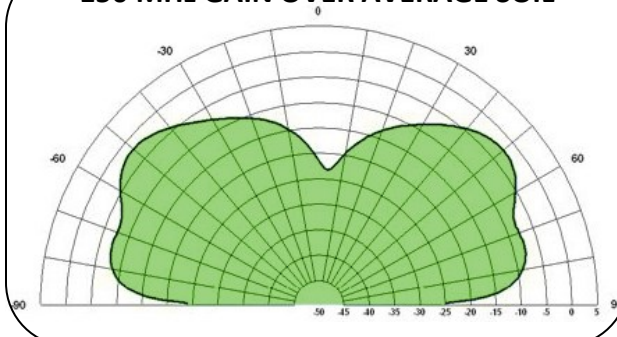
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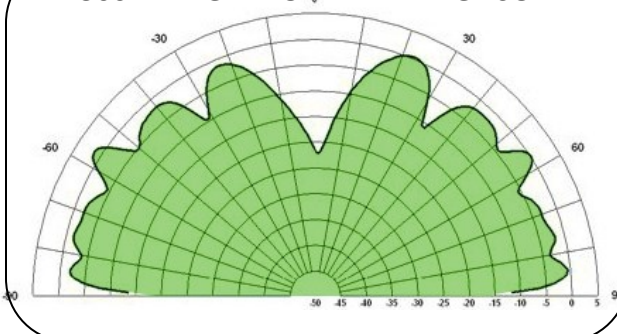
25 MHz GAIN OVER AVERAGE SOIL



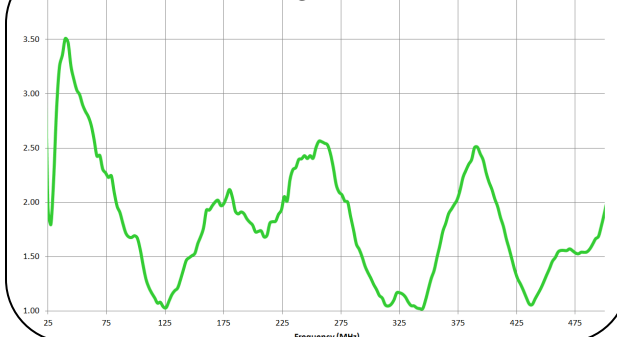
150 MHz GAIN OVER AVERAGE SOIL



500 MHz GAIN OVER AVERAGE SOIL



VSWR



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(1Y04225)

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Broadband Manpack Antenna



The MPMP30X3 tactical blade antenna is designed to be used in military manpack applications where reliability is needed most. This antenna works with all radios within the 30-90 MHz band and is equipped with its own matching network and **does not require external tuning.**

The traditional connector provided with the antenna is a PSC-5, which is a BNC Female contact pin and ground finger barrel reinforced with a 3/4-16 threaded flange. (Other connectors can be provided upon request.)

The radiator is constructed of layered stainless steel leaf springs and is protected by a tough outer neoprene sheath. The radiator and base are connected by a gooseneck for various angle possibilities.

All exposed metallic surfaces are protected with Prolane-T black 2 part polyurethane paint.



Broadband Manpack Antenna

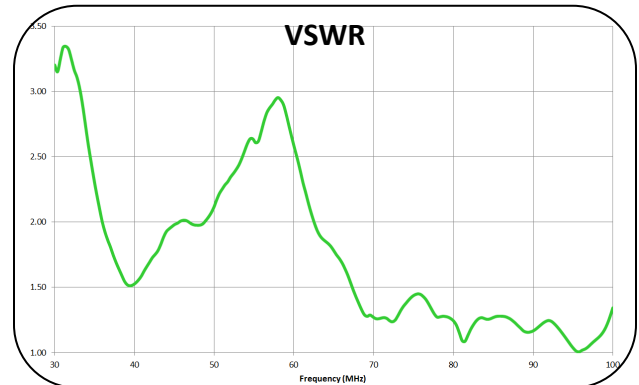
Specifications

ELECTRICAL:

Frequency Range:	30-90 MHz
Gain:	-10.0 dBi Nominal
VSWR:	< 2.25:1 Typical 3.5:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	35 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	PSC-5

MECHANICAL:

Overall Height:	51 in. (1.30 m)
Net Weight:	1 lb. (0.45 kg)
Color:	Black/Green/Tan/Grey
Mounting:	PSC-5



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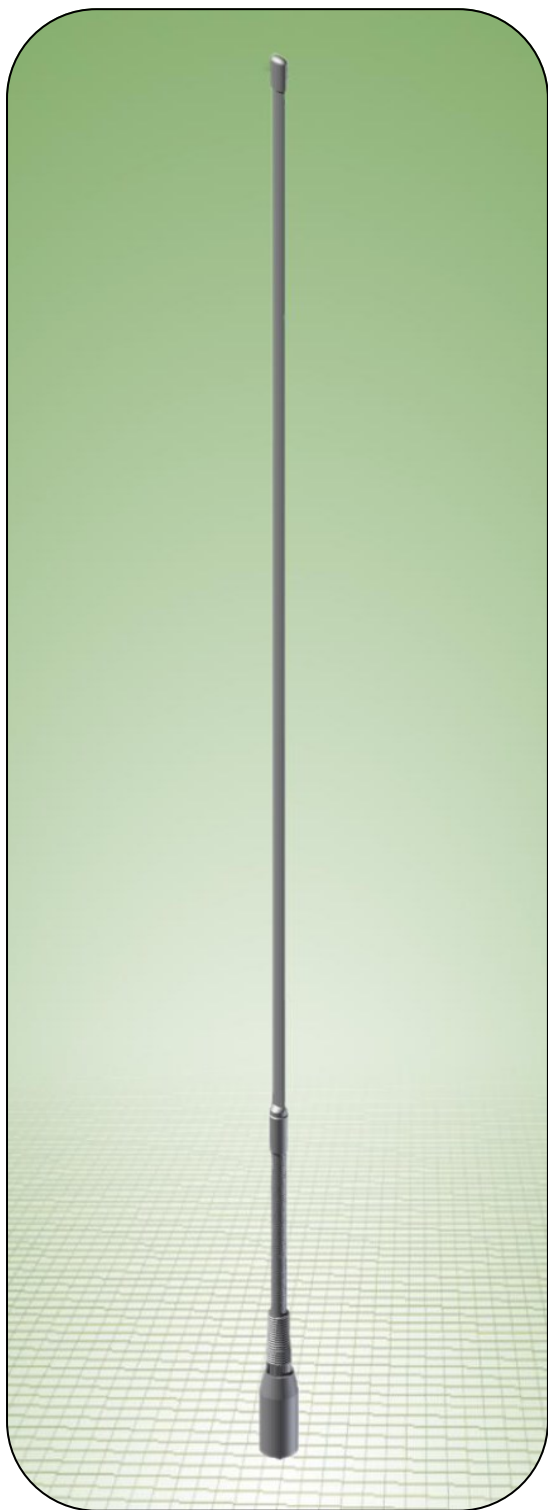
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Broadband Manpack Antenna



The MPMP30X3AH tactical blade antenna is designed to be used in military manpack and handheld radio applications where reliability is needed most. This antenna works with all radios within the 30-90 MHz band and is equipped with its own matching network and **does not require external tuning.**

The radiator is constructed of layered stainless steel leaf springs and is protected by a tough outer neoprene sheath. The radiator and base are connected by a gooseneck for various angle possibilities.

All exposed metallic surfaces are protected with Prolane-T black 2 part polyurethane paint.



Broadband Manpack Antenna

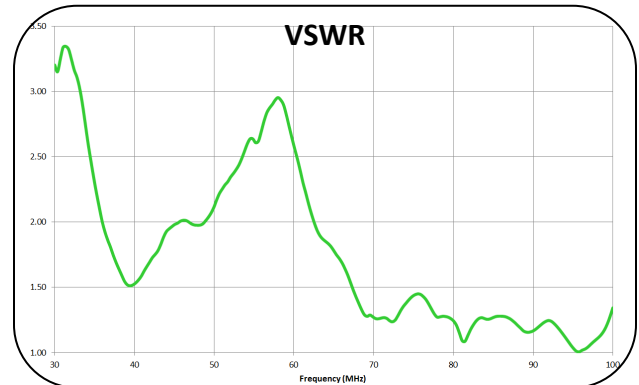
Specifications

ELECTRICAL:

Frequency Range:	30-90 MHz
Gain:	-10.0 dBi Nominal
VSWR:	< 2.25:1 Typical 3.5:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	15 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	TNC Male

MECHANICAL:

Overall Height:	47 in. (1.19 m)
Net Weight:	1 lb. (0.45 kg)
Color:	Black/Green/Tan/Grey
Mounting:	TNC Male



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Broadband Manpack Antenna



The SINGGAR tactical blade antenna is designed to be used in military manpack applications where reliability is needed most. This antenna works with all SINGGAR radios.

The traditional connector provided with the antenna is a modified BNC connector with a 1/2-28 UNEF thread.

The radiator is constructed of layered stainless steel leaf springs and is protected by a tough outer neoprene sheath. The radiator and base are connected by a gooseneck for various angle possibilities.

All exposed metallic surfaces are protected with Prolane-T black 2 part polyurethane paint.



Broadband Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range:	30-90 MHz
Input Impedance:	50 Ω Nominal
Power:	35 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	BNC

MECHANICAL:

Overall Height:	51 in. (1.30 m)
Net Weight:	1 lb. (0.45 kg)
Color:	Black/Green/Tan/Grey
Mounting:	BNC

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Series I Communications Platform



The Series I Communications Platform is a tactical, ground independent, broadband dipole that attaches to the operator's vest or rucksack. It has a frequency band of 30-90 MHz.

This antenna is designed to provide maximum radiation performance obtainable in the body worn configuration.

- (1) 1 meter flexible upper radiator section.
- (2) Lower flexible radiator section.
- (3) Isolation cable that connects antenna to the radio.

The lower flexible radiator section (2) and isolation cable (3) are fitted around the radio operator's torso. The 1 meter flexible upper radiator section (1) can either be folded over the operator's shoulder and fastened to the web gear or released to extend above the operator's shoulder for maximum performance. This antenna is designed with an eyelet in the tip of the 1 meter flexible upper radiator section. This allows the operator to suspend the antenna from a tree limb or other elevated objects while the radio remains near or at ground level.

Standoffs not supplied.



Series I Communications Platform

Specifications

ELECTRICAL:

Frequency Range:	30-110 MHz
Gain:	-6.0 dBi @ 30 MHz 1.0 dBi @ 90 MHz
VSWR:	< 3.5:1 Typical
Input Impedance:	50 Ω Nominal
Power:	15 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	TNC Male (Other Connectors Available)

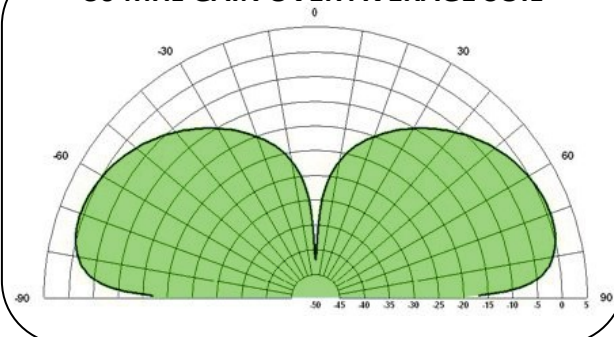
MECHANICAL:

Overall Height:	70 in. (1.75 m)
Net Weight:	3 lb. (1.36 kg)
Color:	Black/Green/Tan/Grey
Mounting:	Mounting Bracket (Sold Separately)

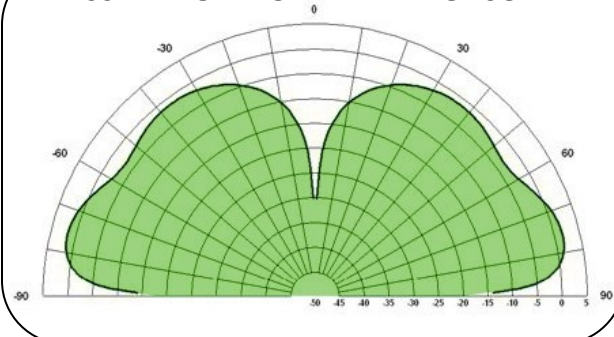
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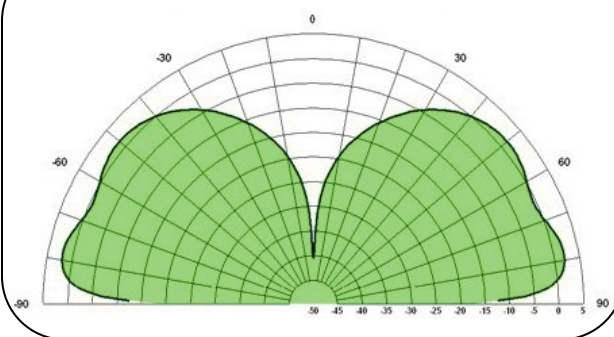
30 MHz GAIN OVER AVERAGE SOIL



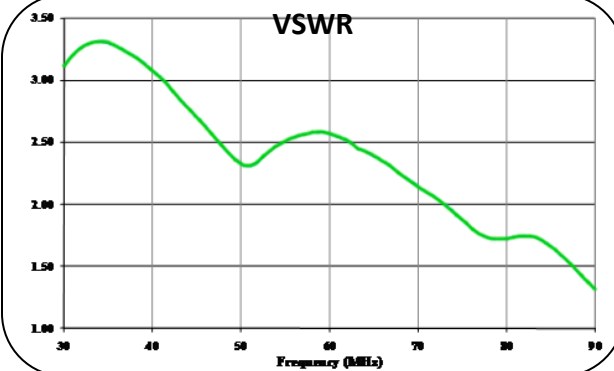
60 MHz GAIN OVER AVERAGE SOIL



88 MHz GAIN OVER AVERAGE SOIL



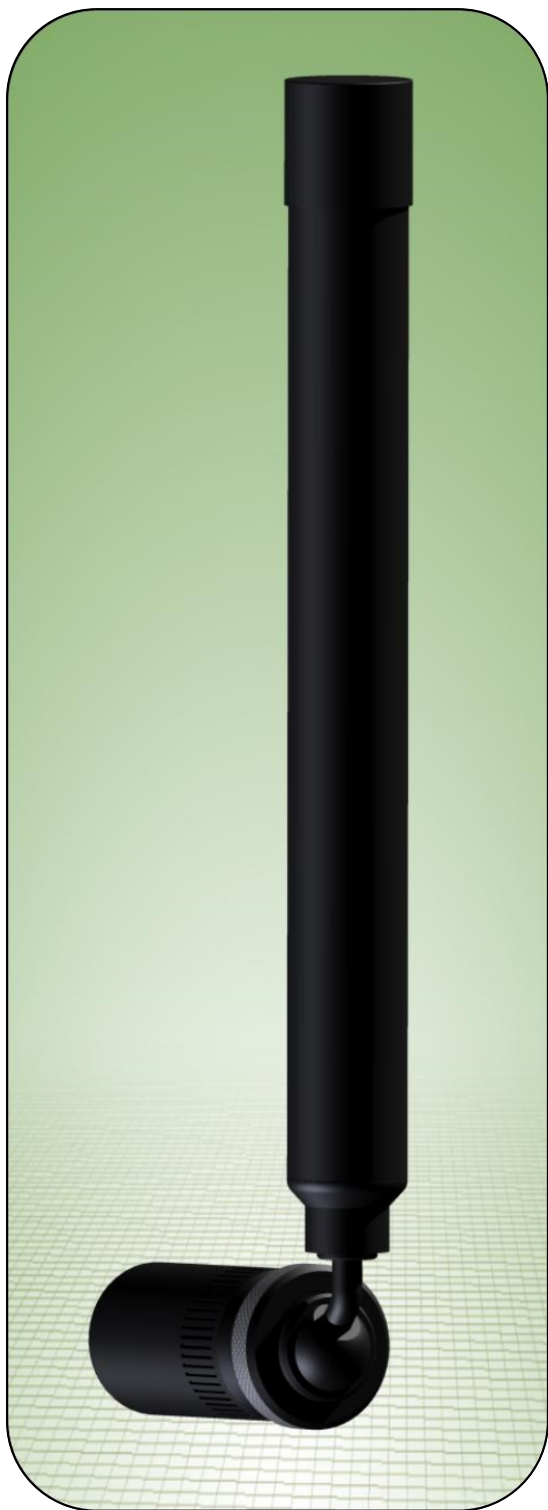
VSWR



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Broadband Manpack Antenna



The MPMP30X17 broadband monopole antenna is designed to be used in military manpack applications where reliability is needed most. This antenna works with the latest PSC-5 manpack radios within the 30-512 MHz band.

Improvements have been made in the swivel ball adjustments for ease of use in adverse environments.

The best compromises have been engineered to meet the frequency versus practical size requirements.

- **Rotating Socket**
- **Field Proven**
- **Highly Durable**



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(1Y01600)

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Broadband Manpack Antenna

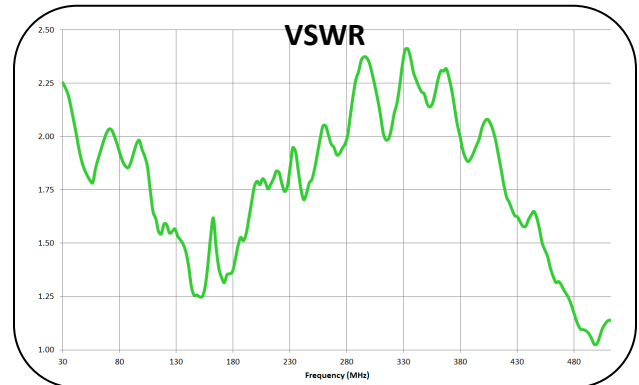
Specifications

ELECTRICAL:

Frequency Range:	30-512 MHz
Gain:	-30 dBi Min. @ 30 MHz -2 dBi @ 125-512 MHz 0 dBi @ 225-400 MHz
VSWR:	< 2.25:1 Typical 2.5:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	35 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	PSC-5

MECHANICAL:

Overall Height:	14.5 in. (0.37 m)
Net Weight:	1 lb. (0.45 kg)
Color:	Black/Green/Tan/Grey
Mounting:	PSC-5



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Series II Communications Platform



The [Name & Description] antenna is de-



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(1Y04850)

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Series II Communications Platform

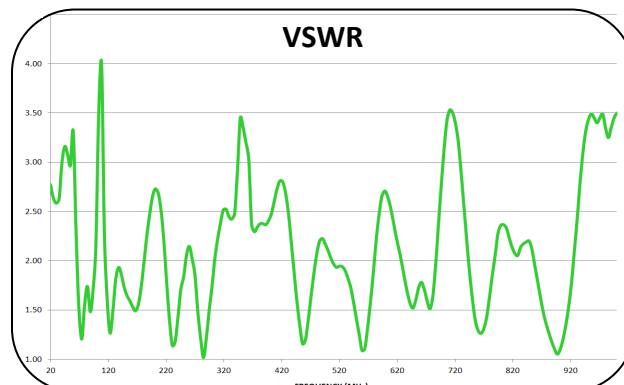
Specifications

ELECTRICAL:

Frequency Range:	30-512 MHz
Gain:	-6.0 ~ 1.0 dBi @ 30-90 MHz -2.0 ~ 0.0 dBi @ 100-512 MHz
VSWR:	< 3.0:1 Typical 3.5:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	25 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	TNC Male (Other Connectors Available)

MECHANICAL:

Overall Height:	74.5 in. (1.89 m)
Net Weight:	2.33 lb. (1.04 kg)
Color:	Black/Green/Tan/Grey
Mounting:	TNC Male (Other Connectors Available)



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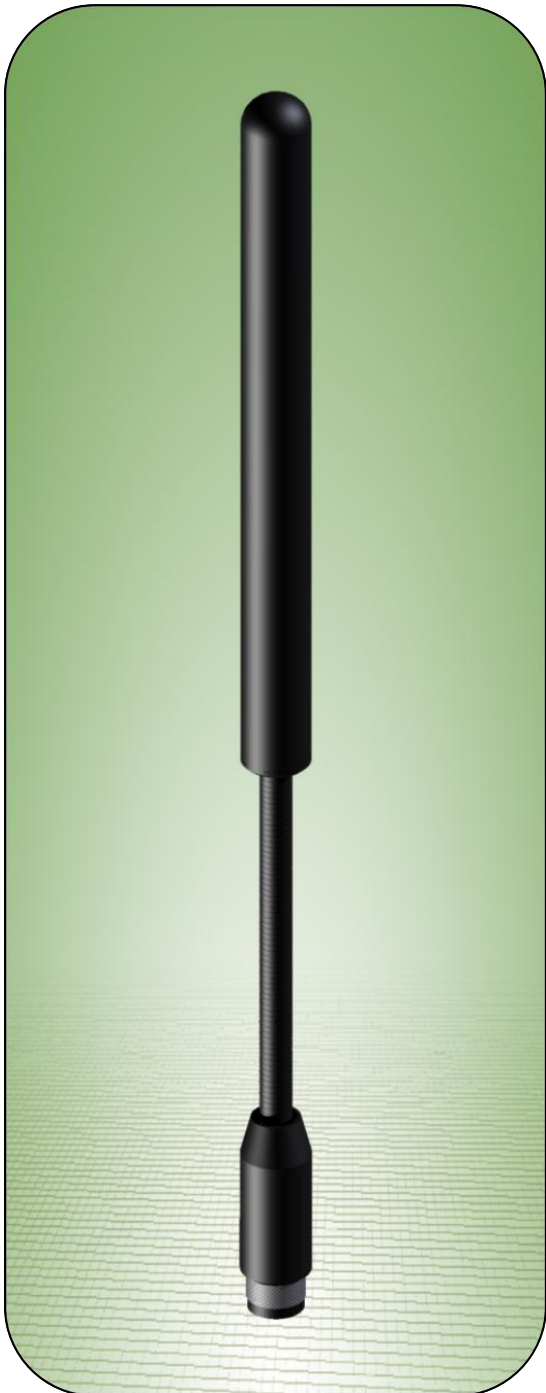
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Broadband Manpack Antenna



The MPMP30X17AB 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 30-512 MHz band.

This is one of several antennas in the 30-512 MHz band. This particular version is designed to provide a slimmer profile for a reduced physical signature as required for a specific set of end users.



Broadband Manpack Antenna

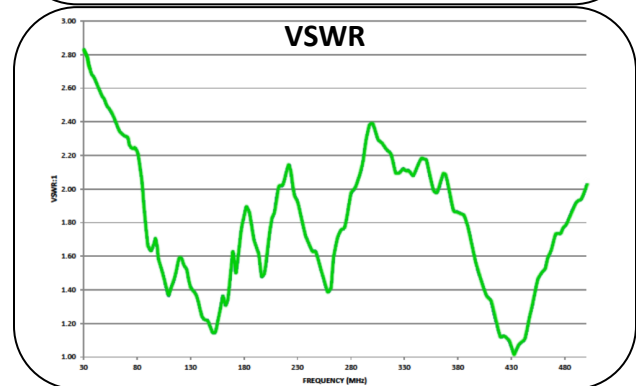
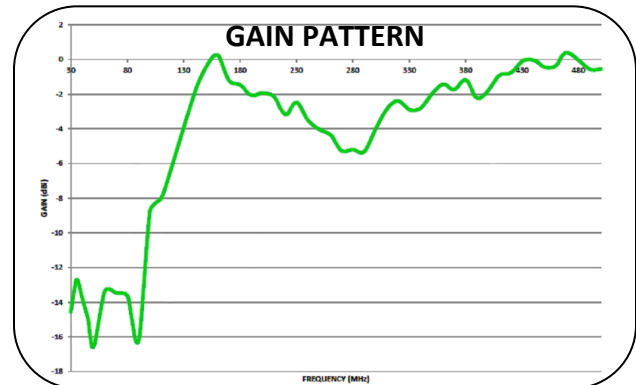
Specifications

ELECTRICAL:

Frequency Range:	30-512 MHz
Gain:	-13 dBi Peak @ 30-80 MHz 0 dBi Peak @ 80-512 MHz
VSWR:	3.0:1 Maximum @ 30-50 MHz 2.5:1 Maximum @ 50-512 MHz
Input Impedance:	50 Ω Nominal
Power:	30 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	TNC Male

MECHANICAL:

Overall Height:	19.5 in. (0.50 m)
Net Weight:	0.66 lb. (0.30 kg)
Color:	Black/Green/Tan/Grey
Mounting:	TNC Male



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Broadband Manpack Antenna



The MPDP30X17 broadband dipole 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 30-512 MHz band.

This is one of several antennas in the 30-512 MHz band. This particular version is designed as a ground independent radiator not dependent on radio chassis as a ground plane.

The lower gooseneck portion provides flexibility and the upper radiator section is constructed of flexible blade material encased in a flexible dielectric sleeve for user friendly operation.

- **Gooseneck Lower Section for 0°-90° Positioning**
- **Low VSWR**
- **Robust Construction**

Mounting Bracket sold separately.



Broadband Manpack Antenna

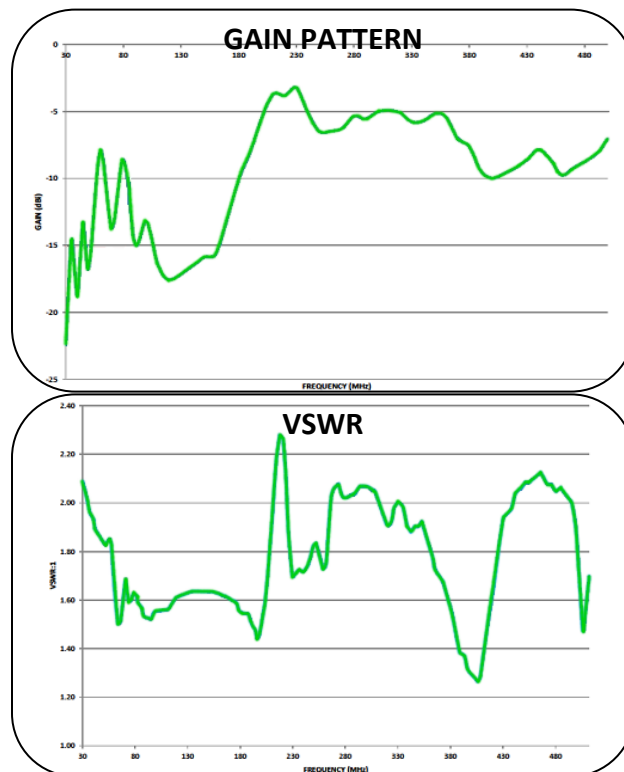
Specifications

ELECTRICAL:

Frequency Range:	30-512 MHz
Gain:	-13 dBi Peak @ 30-80 MHz -4 dBi Peak @ 80-512 MHz
VSWR:	2.5:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	30 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	TNC Male

MECHANICAL:

Overall Height:	28 in. (0.71 m)
Net Weight:	0.66 lb. (0.30 kg)
Color:	Black/Green/Tan/Grey
Mounting:	TNC Male



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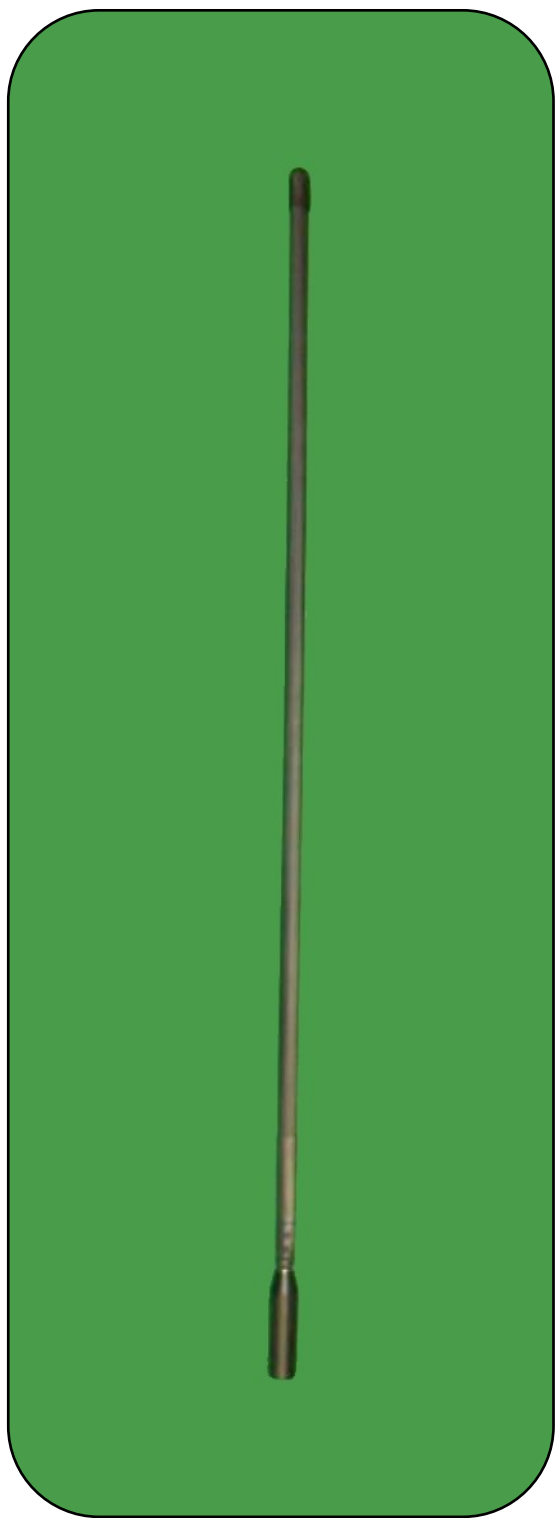
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Broadband Manpack Antenna



The MPMP30X17AD broadband monopole antenna is designed to be used in military manpack applications where reliability is needed most. This antenna works with handheld radios within the 30-512 MHz band.

The best compromises have been engineered to meet the frequency versus practical size requirements.



Broadband Manpack Antenna

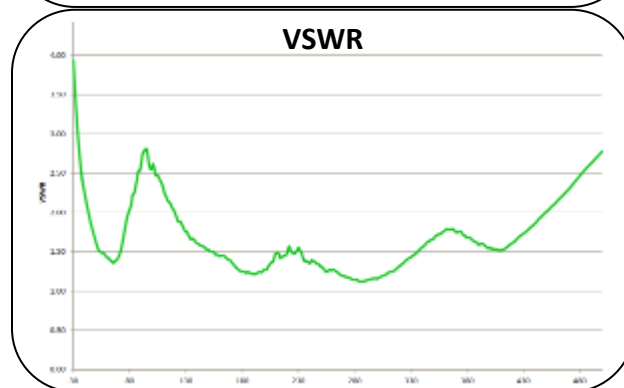
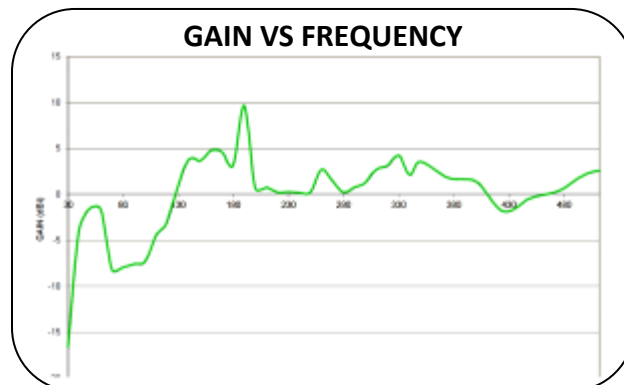
Specifications

ELECTRICAL:

Frequency Range:	30-512 MHz
Gain:	-20 dBi Min. @ 30 MHz -2 dBi @ 125-512 MHz 0 dBi @ 225-400 MHz
VSWR:	< 2.25:1 Typical 2.5:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	10 Watts CW
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	TNC Male

MECHANICAL:

Overall Height:	33 in. (0.84 m)
Net Weight:	0.34 lb. (0.15 kg)
Color:	Black/Green/Tan/Grey
Mounting:	TNC Male
Compliance:	MIL-STD-810



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Series IV Communications Platform



The [Name & Description] antenna is de-



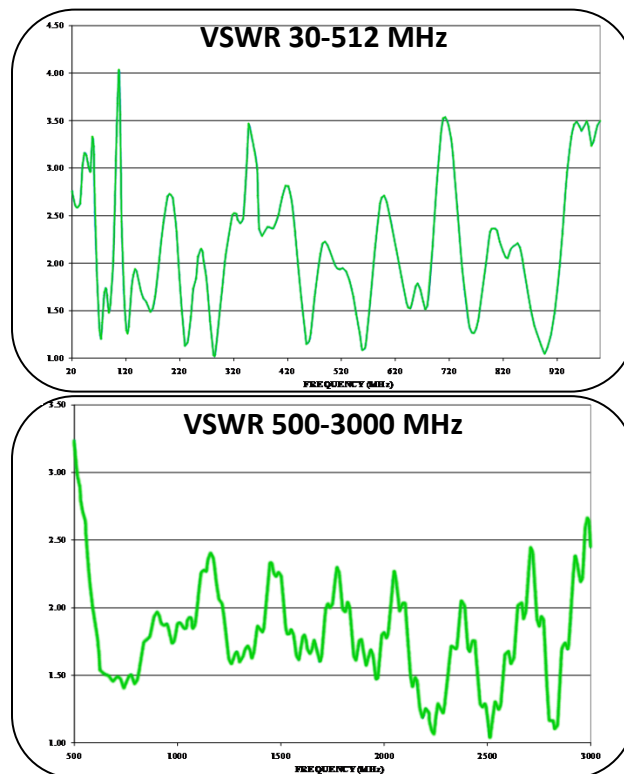
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Series IV Communications Platform Specifications

ELECTRICAL:

Frequency Range:	30-3000 MHz
Gain:	-6.0 ~ 1.0 dBi @ 30-90 MHz -2.0 ~ 0.0 dBi @ 100-512 MHz -1.5 ~ 2.5 dBi @ 500-3000 MHz
VSWR:	< 3.0:1 Typical 3.5:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	25 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	TNC Male (30-512 MHz) Type N Male (500-3000 MHz) (Other Connectors Available)



MECHANICAL:

Overall Height:	74.5 in. (1.89 m) (30-512 MHz) 17.5 in. (0.44 m) (500-3000 MHz)
Net Weight:	2.33 lb. (1.04 kg) (30-512 MHz) 0.78 lb. (0.35 kg) (500-3000 MHz)
Color:	Black/Green/Tan/Grey
Mounting:	Port #1: TNC Male Port #2: Type N Male (Other Connectors Available)

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Handheld Radio Antenna

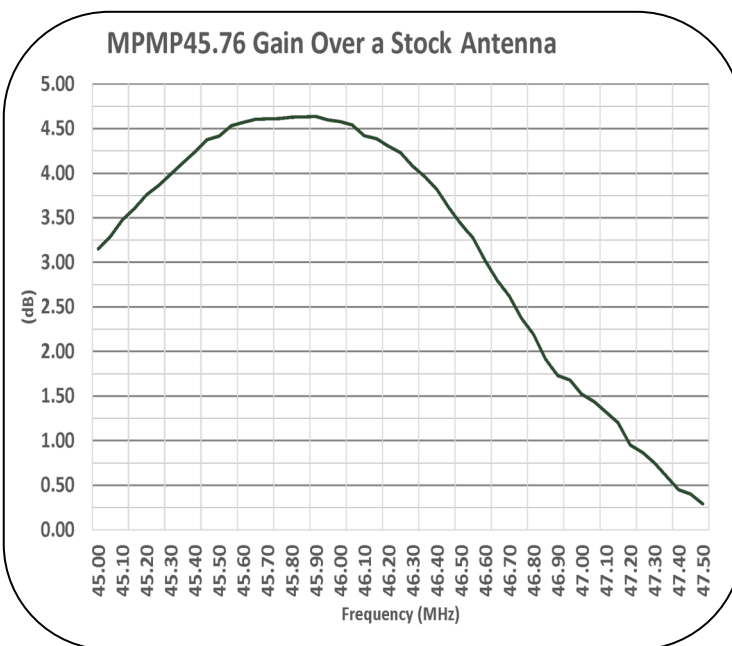


The MPMP45.76 handheld radio antenna is designed to be mused in military manpack, commercial, and other applications where reliability is needed most.

The radiator section is constructed of flexible blade material encased in a flexible dielectric.

The antenna works well in both fully extended and folded positions.

- **Robust Construction**
- **Flexible Section**
- **Low VSWR**
- **Broadband**



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Handheld Radio Antenna

Specifications

ELECTRICAL:

Frequency Range: 45-47.5 MHz

VSWR: < 2:1 @ 45.76 MHz

Input Impedance: 50 Ω Nominal

Power: 6 Watts

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 90°

Input Connector: SMA Female

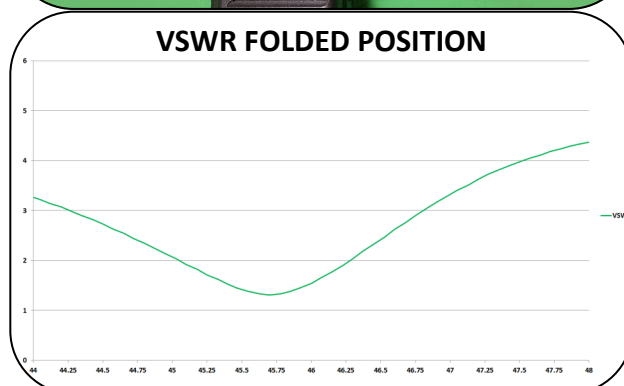
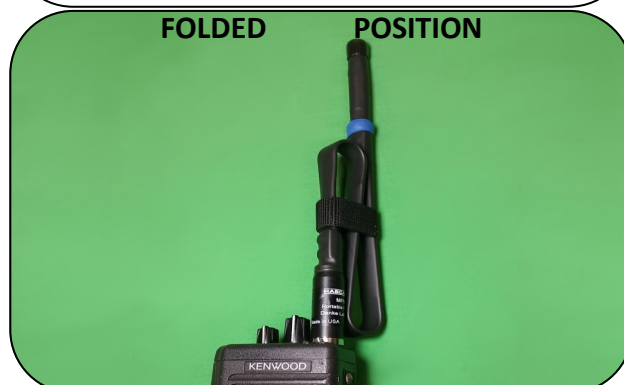
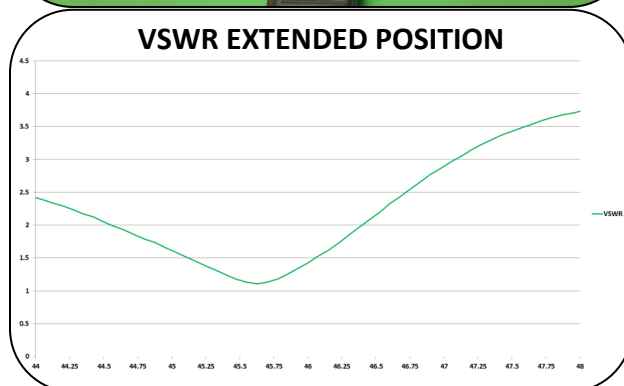
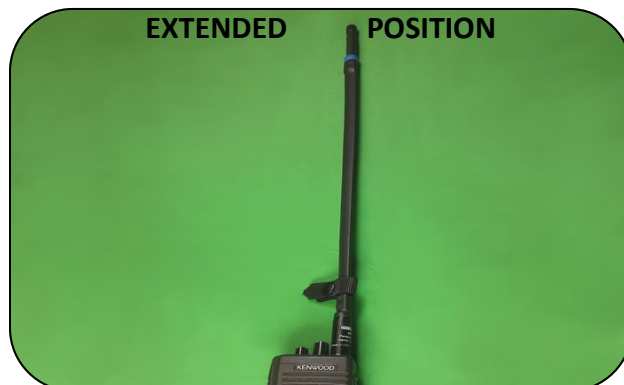
MECHANICAL:

Overall Height: 20 in. (0.51 m)

Net Weight: 0.27 lb. (0.12 kg)

Color: Black

Mounting: SMA Female



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Broadband Manpack Antenna

The MPMP100X4 broadband monopole antenna is designed to be used in military manpack applications where reliability is needed most. This antenna works with all PSC-5 radios within the 100-400 MHz band with a VSWR of less than 2.5:1. The base of the antenna is reinforced for rough handling in tactical environments.

- **Compatible with all radios using PSC-5 type connectors (PRC-117, PSC-5, URC-200, etc.)**
- **Other connectors available upon request.**



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Broadband Manpack Antenna

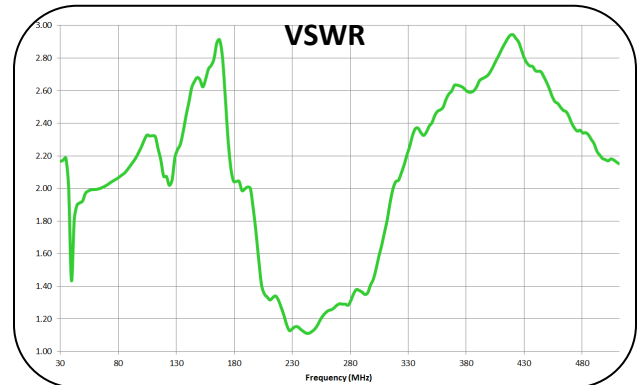
Specifications

ELECTRICAL:

Frequency Range:	100-400 MHz
VSWR:	< 2.5:1 Typical 3.0:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	10 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	PSC-5

MECHANICAL:

Overall Height:	13.5 in. (0.34 m)
Net Weight:	0.8 lb. (0.32 kg)
Color:	Black/Green/Tan/Grey
Mounting:	PSC-5



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Broadband Manpack Antenna

The MPMP100X4 broadband monopole antenna is designed to be used in military manpack applications where reliability is needed most. This antenna works with all PSC-5 radios within the 100-400 MHz band with a VSWR of less than 2.5:1. The base of the antenna is reinforced for rough handling in tactical environments. The Radiator is molded urethane for flexibility and durability.

- **Compatible with all radios using PSC-5 type connectors (PRC-117, PSC-5, URC-200, etc.)**
- **Other connectors available upon request.**



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Broadband Manpack Antenna

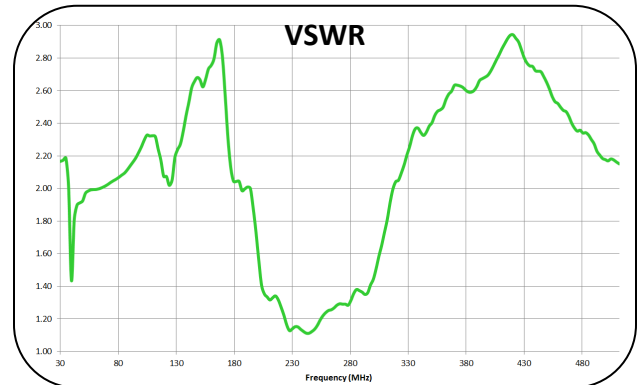
Specifications

ELECTRICAL:

Frequency Range:	100-400 MHz
VSWR:	< 2.5:1 Typical 3.0:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	10 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	PSC-5

MECHANICAL:

Overall Height:	13.5 in. (0.34 m)
Net Weight:	0.8 lb. (0.32 kg)
Color:	Black/Green/Tan/Grey
Mounting:	PSC-5



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Broadband Manpack Antenna



The MPMP100X5 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 100-512 MHz band.

- **Robust Construction**
- **0° - 180° Adjustment via Gooseneck Flexible Section**
- **Low VSWR**
- **Broadband**



Made in the USA
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(1Y02250)

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Broadband Manpack Antenna

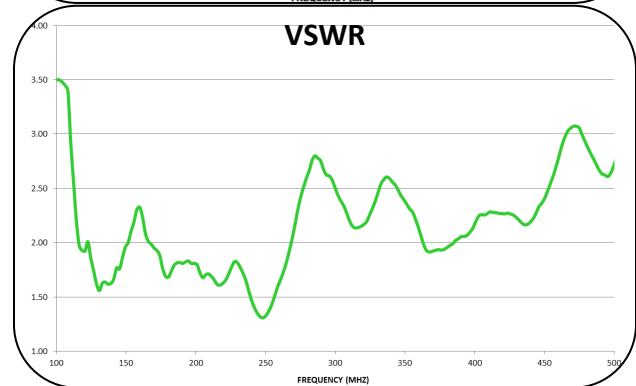
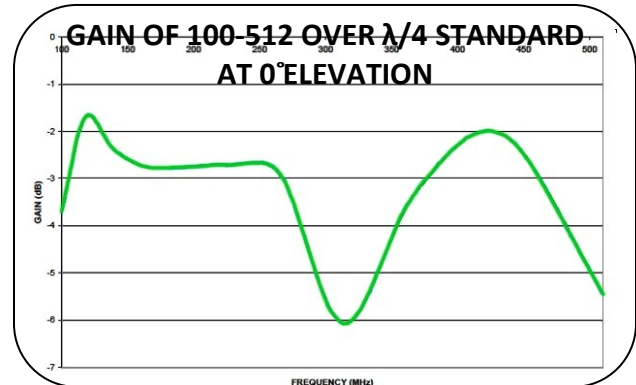
Specifications

ELECTRICAL:

Frequency Range:	100-512 MHz
Gain:	-4.0 dBi @ 100 MHz -2.0 dBi @ 225 MHz 0.0 dBi @ 512 MHz
VSWR:	3.5:1 Max @ 100-512 MHz 2.5:1 Max @ 225-450 MHz
Input Impedance:	50 Ω Nominal
Power:	16 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	TNC Male

MECHANICAL:

Overall Height:	20 in. (0.51 m)
Net Weight:	0.63 lb. (0.28 kg)
Color:	Black/Green/Tan/Grey
Mounting:	TNC Male



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Broadband Manpack Antenna



The MPMP100X5AB 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 100-512 MHz band.

- **Robust Construction**
- **0° - 180° Adjustment via Gooseneck Flexible Section**
- **Low VSWR**
- **Broadband**



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Broadband Manpack Antenna

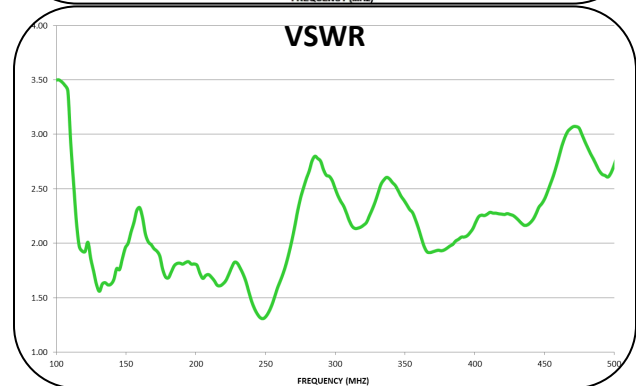
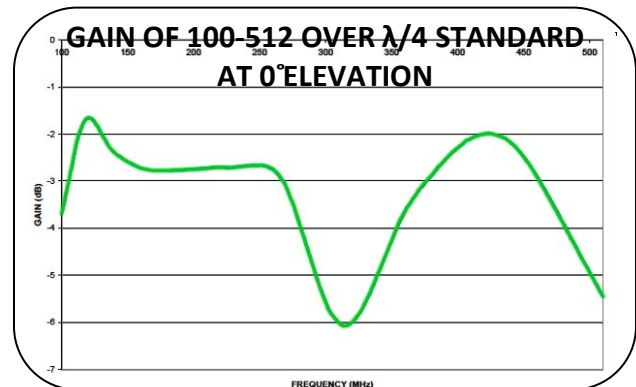
Specifications

ELECTRICAL:

Frequency Range:	100-512 MHz
Gain:	-4.0 dBi @ 100 MHz -2.0 dBi @ 225 MHz 0.0 dBi @ 512 MHz
VSWR:	3.5:1 Max @ 100-512 MHz 2.5:1 Max @ 225-450 MHz
Input Impedance:	50 Ω Nominal
Power:	30 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type N Male

MECHANICAL:

Overall Height:	20 in. (0.51 m)
Net Weight:	0.63 lb. (0.28 kg)
Color:	Black/Green/Tan/Grey
Mounting:	Type N Male



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Broadband Manpack Antenna



The MPDP100X10 broadband dipole 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 100-1000 MHz band.

The lower gooseneck portion provides flexibility and the upper radiator section is constructed of flexible blade material encased in a flexible dielectric sleeve for user friendly operation.

- **Gooseneck Lower Section for 0° - 90° Positioning**
- **Low VSWR**
- **Robust Construction**



Broadband Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 100-1000 MHz

VSWR: < 2.0:1 Typical
2.5:1 Maximum

Input Impedance: 50 Ω Nominal

Power: 20 Watts

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 90°

Input Connector: Type N Male

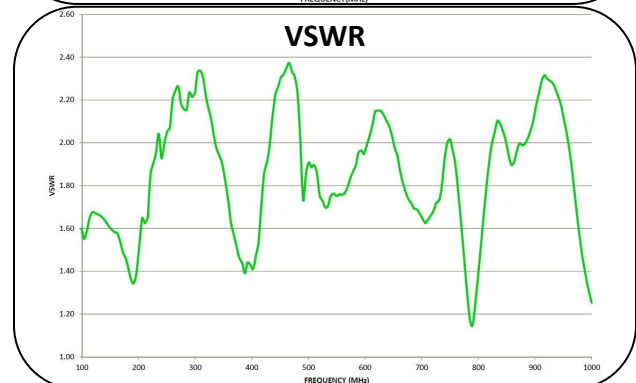
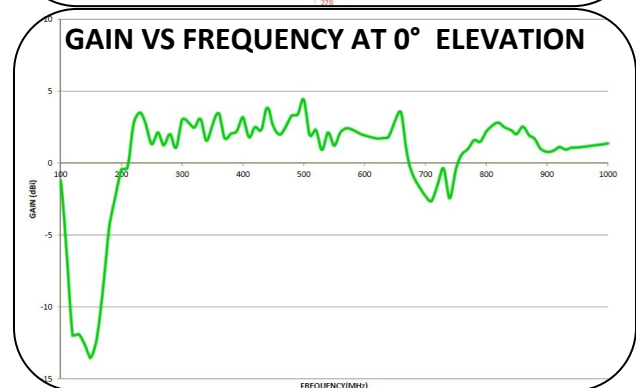
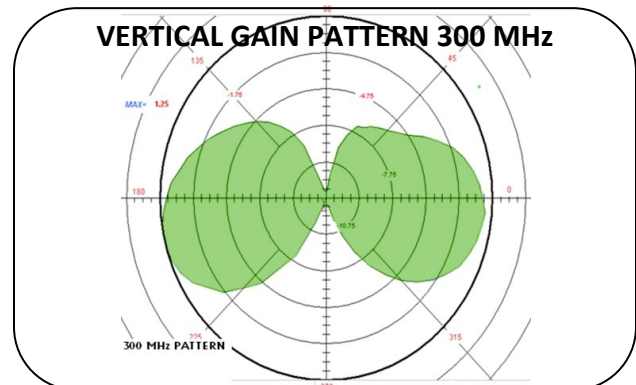
MECHANICAL:

Overall Height: 28.25 in. (0.72 m)

Net Weight: 2 lb. (0.90 kg)

Color: Black/Green/Tan/Grey

Mounting: Type N Male



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Ultra Broadband Manpack Antenna



The MPDP100X25 ultra broadband dipole antenna is designed to be used in military manpack, commercial, and other body or vest mounted applications where reliability is needed most. This antenna works with all radios within the 100-2500 MHz band.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Being ultra broadband and compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments. In addition the base includes a rugged flexible gooseneck for positioning adjustments.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.



Ultra Broadband Manpack Antenna

Specifications

ELECTRICAL:

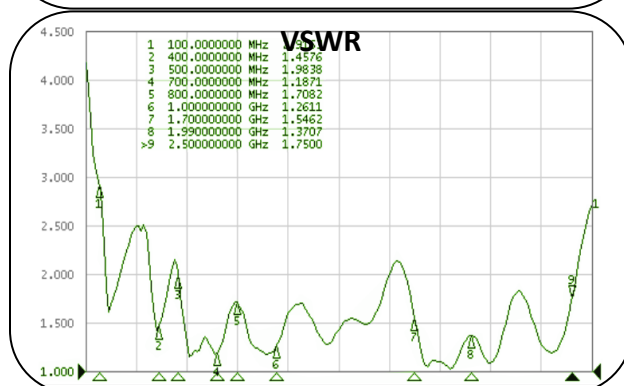
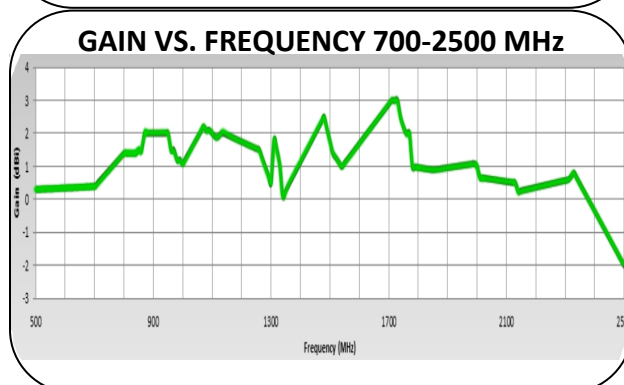
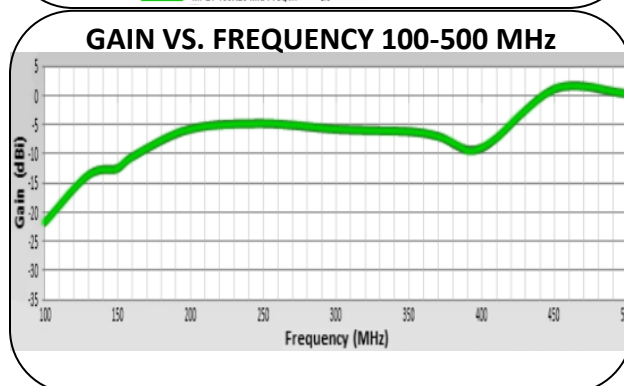
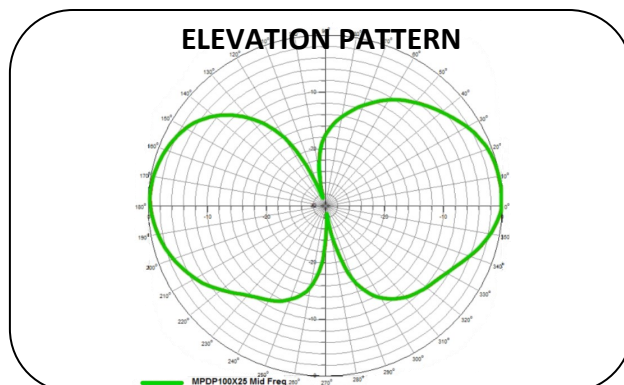
Frequency Range:	100-2500 MHz
Gain:	-20.0 ~ 2.0 dBi +/- 1.
VSWR:	2.0:1 Typical (Operational)
Input Impedance:	50 Ω Nominal
Power:	25 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 75°
Input Connector:	Type N Female (Other Connectors Available)

MECHANICAL:

Antenna Height:	17.8 in. (0.45 m)
Overall Height:	24 in. (0.61 m)
Radome:	2.25 in. Oval (57 mm)
Deflection:	Gooseneck Flexible Tubing
Net Weight:	0.97 lb. (0.44 kg)
Color:	Black/Green/Tan/Grey
Compliance:	Built to Meet MIL-STD-810F

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****Specifications are subject to change without prior notice.**



Broadband Manpack Antenna



The MPDP225X2 broadband dipole 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 225-450 MHz band.



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(1Y02200)

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Broadband Manpack Antenna

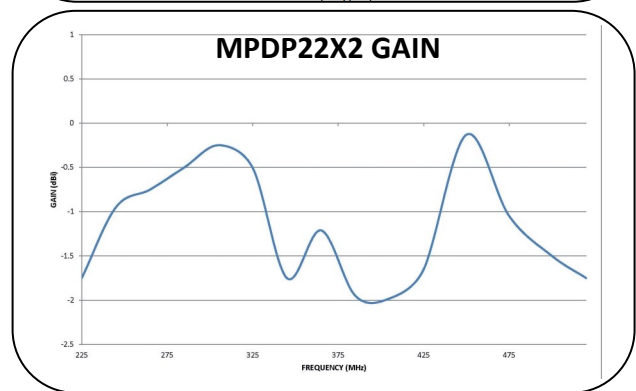
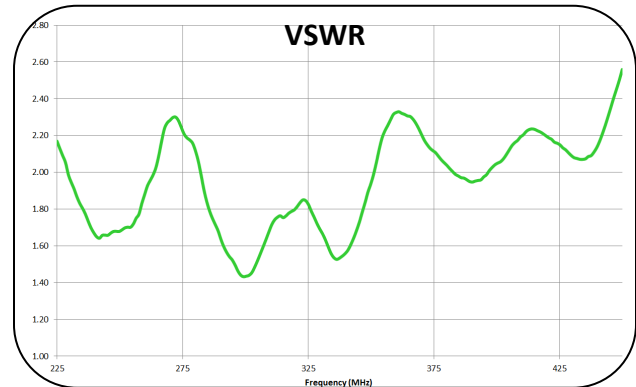
Specifications

ELECTRICAL:

Frequency Range:	225-450 MHz
Gain:	1.0 dBi Nominal
VSWR:	3.0:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	8 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type N Male

MECHANICAL:

Overall Height:	25 in. (0.64 m)
Net Weight:	0.38 lb. (0.4 kg)
Color:	Black/Green/Tan/Grey
Mounting:	Type N Male



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Broadband Manpack Antenna



The MPDP225X2AB broadband dipole 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 225-450 MHz band.



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Broadband Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range:	225-450 MHz
Gain:	1.0 dBi Nominal
VSWR:	2.5:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	8 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type N Male

MECHANICAL:

Overall Height:	24 in. (0.61 m)
Net Weight:	0.78 lb. (0.35 kg)
Color:	Black/Green/Tan/Grey
Mounting:	Type N Male

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(1Y14400)

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Hand Held Radio Antenna

The MPMP225X2AD manpack antenna is designed to be used in military, commercial, and other applications where reliability is needed most. This antenna works with all radios within the 225-450 MHz band.



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(1Y38350)

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Hand Held Radio Antenna

Specifications

ELECTRICAL:

Frequency Range:	225-450 MHz
Gain:	-1.0 ~ +2.0 dBi
VSWR:	3.0:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	10 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type SMA Female

MECHANICAL:

Overall Height:	18.0 in. (0.46 m)
Color:	Black/Green/Tan/Grey
Weight:	4.2 oz. (120 g)
Mounting:	Type SMA Female

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UHF SOTM-MUOS Antenna



The MPHP300-380 UHF SOTM-MUOS antenna is designed to be used for SATCOM on the move applications, and other applications where reliability is needed most. This antenna works with all radios within the 300-380 MHz band. This antenna also allows for Legacy UHF hands free SATCOM operations.

Its hybrid polarization allows for low and high take off angles that increases hemispherical coverage which reduces latency and increases connectivity. Its lower vertical signature and lightweight design provide operational suitability for the user.

This Highly reliable, lightweight design, has no moving parts or protruding elements that provides a lower vertical signature on the operator.

Being “ground independent”, this antenna can be used on the radio or relocated on the operator for mission requirements with no degradation in performance.

- Extreme Light Weight and Rugged
- Reduced Latency
- More Occupied SATCOM Time
- No set up time
- Made in the USA



Made in the USA
ISO 9001:2015 Certified
(1Y32850)

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UHF SOTM-MUOS Antenna

Specifications

ELECTRICAL:

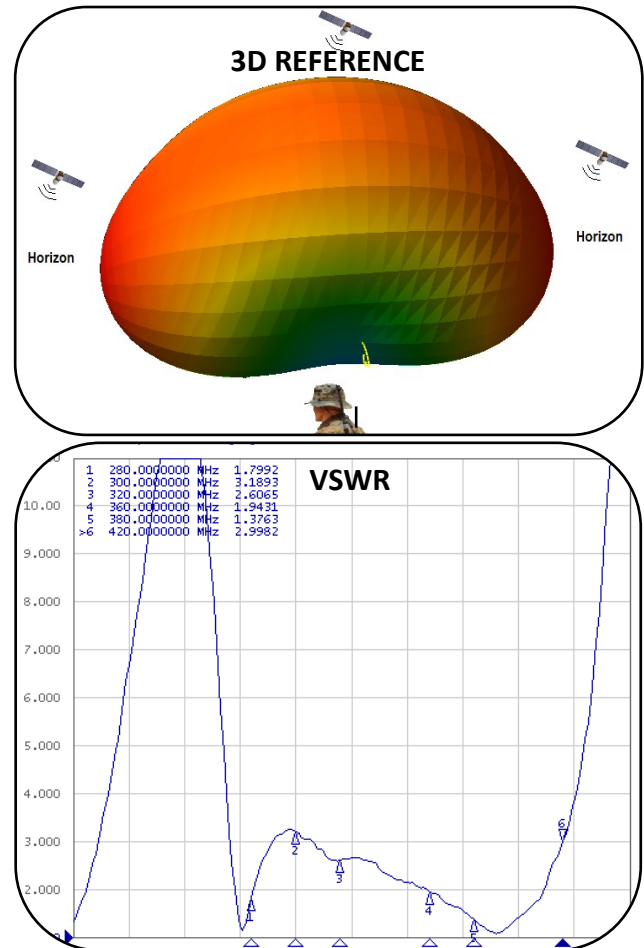
Frequency Range:	300-380MHz
Gain:	0 to +2dBic (Hybrid Polarization)
VSWR:	3:1 Max
Input Impedance:	50 Ω Nominal
Power:	40 Watts
Polarization:	Hybrid
Radiation Pattern:	Azimuth: 360° Elevation: 170° Hemispherical
Input Connector:	TNC Male

MECHANICAL:

Overall Height:	8.9 in. (585 mm)
Overall Width:	9.75 in. (585 mm)
Net Weight:	0.35 lb. (0.15kg)
Color:	Black/Green/Tan/Grey
Mounting:	TNC Male

Components

- (1) 6 Inch Gooseneck: TNC Female to Type N Male
- (1) 24 Inch Cable: TNC Female to Type N Male



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Body Worn Antenna



The MPDP340-380 dipole antenna is designed to be used in military manpack, commercial, and other body or vest mounted applications where reliability is needed most. This antenna works with all radios within the 340-380 MHz band.

Being body worn, this antenna is ideal for clandestine operations. The slim profile allows for ideal placement in packs, vests, jackets, or other compartments.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

- Slim Profile
- Low VSWR
- Plug & Play



Body Worn Antenna

Specifications

ELECTRICAL:

Frequency Range:	340-380 MHz
Gain:	Unity
VSWR:	< 2.0:1 Typical
Input Impedance:	50 Ω Nominal
Power:	5 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type SMA Female

MECHANICAL:

Antenna Height:	11 in. (279 mm)
Diameter:	1 in. (25.4 mm)
Pigtail Length:	18 in. (457 mm)
Coaxial Type:	195 Flex
Net Weight:	0.4 lb. (0.18 kg)
Color:	Black/Green/Tan/Grey

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(1Y12400)

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Hand Held Radio Antenna



The MPMP350-450 manpack antenna is designed to be used in military, commercial, and other applications where reliability is needed most. This antenna works with all radios within the 350-450 MHz band.



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Hand Held Radio Antenna

Specifications

ELECTRICAL:

Frequency Range:	350-450 MHz
Gain:	-1.0 dBi
VSWR:	1.5:1 Typical
Input Impedance:	50 Ω Nominal
Power:	10 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type SMA Male

MECHANICAL:

Overall Height:	8.5 in. (215.9 mm)
Color:	Black/Green/Tan/Grey
Weight:	1.8 oz. (50 g)
Mounting:	Type SMA Male

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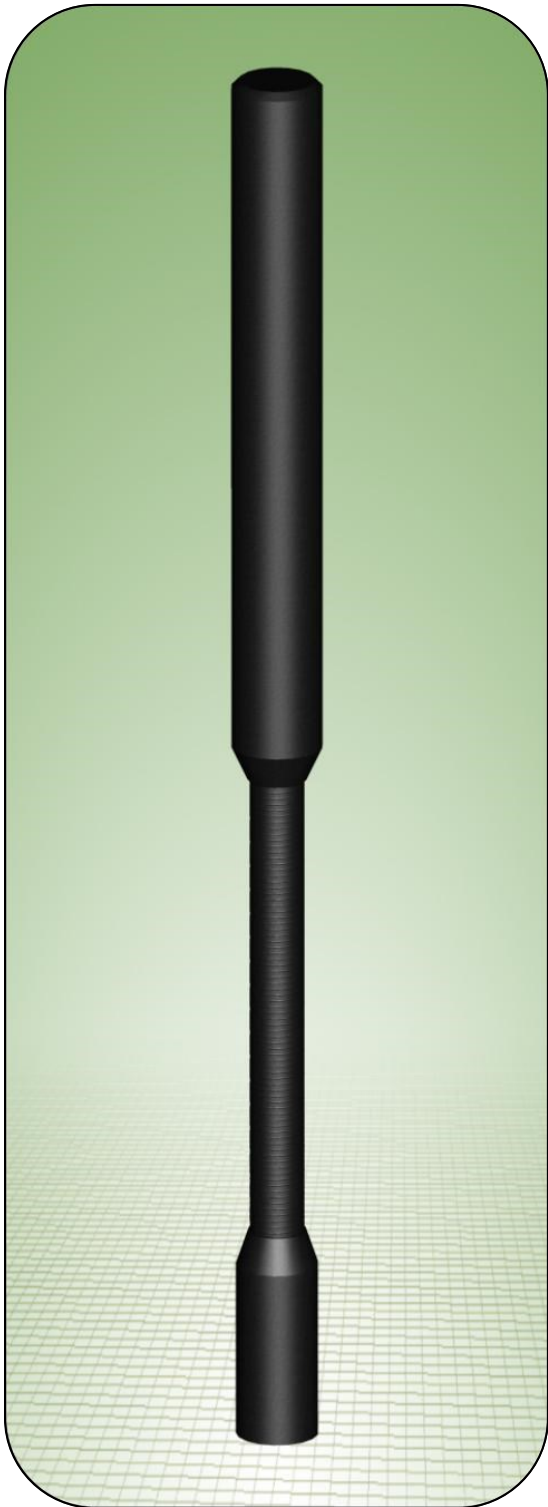
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Broadband Manpack Antenna



The MPDP500X6 broadband dipole 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 500-3000 MHz band.

The antenna has an instantaneous bandwidth of 2500 MHz over the operating band of 500-3000 MHz with a VSWR of 3:1 or less at any frequency within the operational band at power inputs of up to 30 Watts.

The robust mechanical and environmental design meets or exceeds MIL-STD-810 and includes a gooseneck section to allow adjustment of the radiator for various orientations of the manpack radio.

Being “ground independent”, this antenna can be used on all types of radio equipment (metal or non-metal) with no degradation in performance.



Broadband Manpack Antenna

Specifications

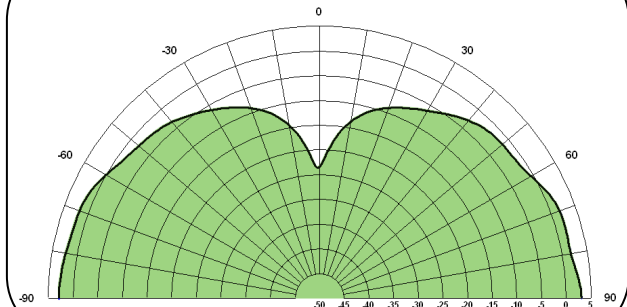
ELECTRICAL:

Frequency Range:	500-3000 MHz
Gain:	0.0 dBi Typical
VSWR:	< 3.0:1 Nominal
Input Impedance:	50 Ω Nominal
Power:	30 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type N Male

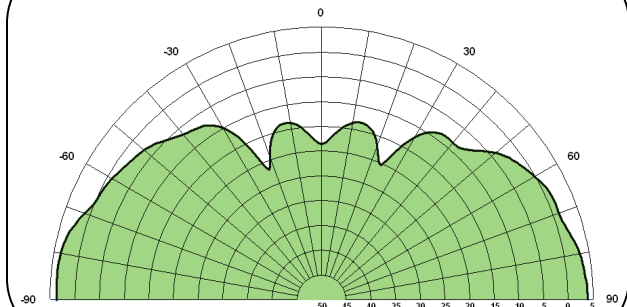
MECHANICAL:

Overall Height:	17.5 in. (0.44 m)
Net Weight:	0.78 lb. (0.35 kg)
Color:	Black/Green/Tan/Grey
Mounting:	Type N Male

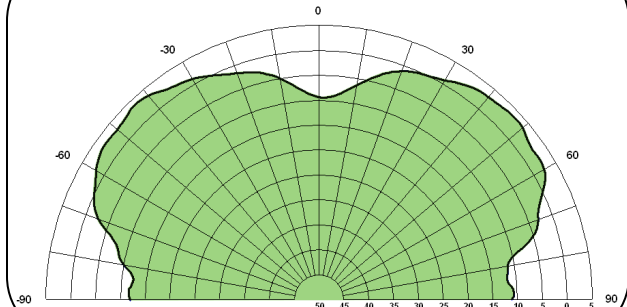
GAIN PATTERN 945 MHz FREE SPACE



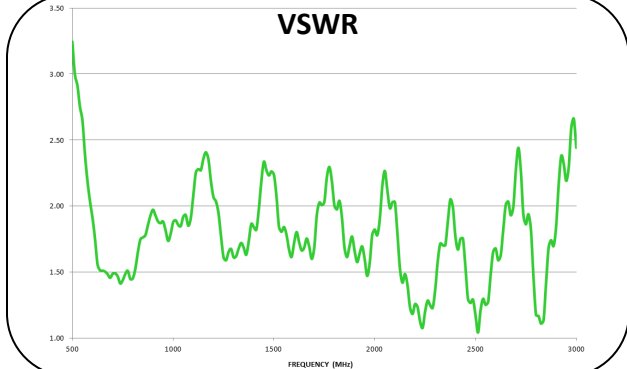
GAIN PATTERN 1550 MHz FREE SPACE



GAIN PATTERN 2450 MHz FREE SPACE



VSWR



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Broadband Manpack Antenna



The MPDP500X6AB broadband dipole 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 500-3000 MHz band.

The antenna has an instantaneous bandwidth of 2500 MHz over the operating band of 500-3000 MHz with a VSWR of 3:1 or less at any frequency within the operational band at power inputs of up to 30 Watts.

The robust mechanical and environmental design meets or exceeds MIL-STD-810 and includes a gooseneck section to allow adjustment of the radiator for various orientations of the manpack radio.

Being “ground independent”, this antenna can be used on all types of radio equipment (metal or non-metal) with no degradation in performance.



Broadband Manpack Antenna

Specifications

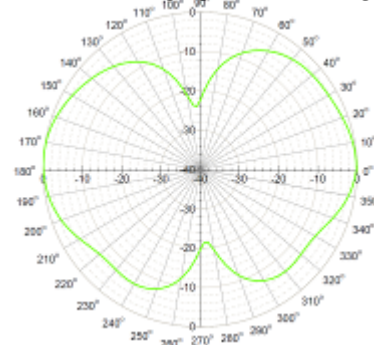
ELECTRICAL:

Frequency Range:	500-3000 MHz
Gain:	0.0 dBi Typical
VSWR:	< 2.0:1 Nominal 3.0:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	30 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type TNC Male

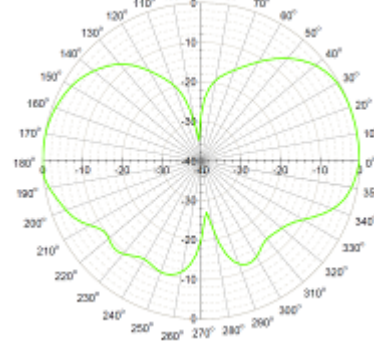
MECHANICAL:

Overall Height:	15.8 in. (0.40 m)
Net Weight:	0.60 lb. (0.27 kg)
Color:	Black/Green/Tan/Grey
Mounting:	Type TNC Male

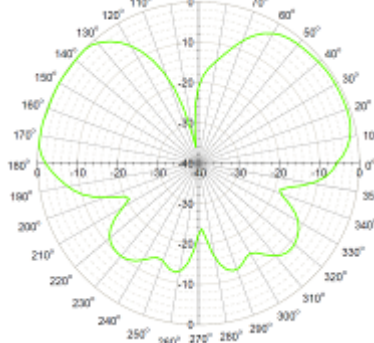
GAIN PATTERN 945 MHz FREE SPACE



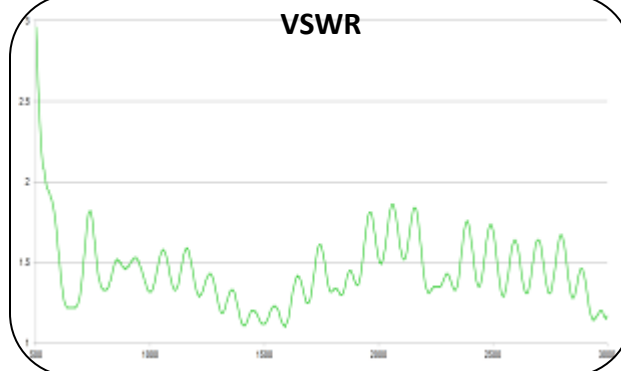
GAIN PATTERN 1550 MHz FREE SPACE



GAIN PATTERN 2450 MHz FREE SPACE



VSWR



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Manpack Antenna



The MPDP690-900 broadband dipole 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 690-900 MHz band.

The antenna has an instantaneous bandwidth of 210 MHz over the operating band of 690-900 MHz with a VSWR of 2:1 or less at any frequency within the operational band at power inputs of up to 20 Watts.

The robust mechanical and environmental design meets or exceeds MIL-STD-810 and includes a gooseneck section to allow adjustment of the radiator for various orientations of the manpack radio.

Being “ground independent”, this antenna can be used on all types of radio equipment (metal or non-metal) with no degradation in performance.



Manpack Antenna

Specifications

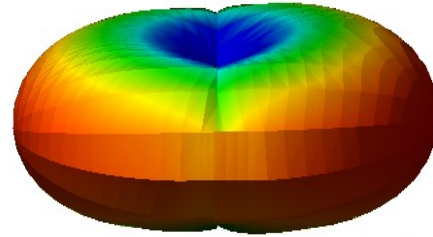
ELECTRICAL:

Frequency Range:	690-900 MHz
Gain:	0 ~ 2 dBi +/- .5
VSWR:	2.0:1 Typical 2.5:1 Max
Input Impedance:	50 Ω Nominal
Power:	20 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type N Male (Other Connectors Available)

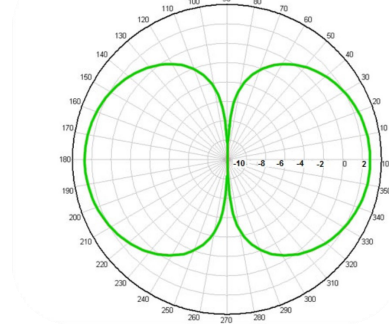
MECHANICAL:

Overall Height:	24.0 in. (0.61 m)
Net Weight:	1.00 lb. (0.45 kg)
Color:	Black/Green/Tan/Grey
Mounting:	Type N Male (Other Connectors Available)

3D REFERENCE



ELEVATION PATTERN REFERENCE



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Manpack Antenna



The MPDP700-960-5 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 700-960 MHz band.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments. In addition this antenna is built to meet MIL-STD-810F

- **Low Profile**
- **Designed for Vest Compartments**
- **Low VSWR**
- **Built to meet MIL-STD-810F**



Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range:	700-960 MHz
Gain:	4.0 ~ 5.0dBi
VSWR:	< 1.5:1 Typical 2.0:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	25 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 70°
Input Connector:	Type TNC Male

MECHANICAL:

Overall Height:	25.5 in. (0.64 m)
Radome:	1.5 in. Oval (38 mm)
Net Weight:	9.2 oz. (0.26 Kg)
Operational Temps:	-40° to 158°F (-40° to 70°C)
Color:	Black/Green/Tan/Grey
Mounting:	Type TNC Male
Compliance:	Built to meet: MIL-STD-810F

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Manpack Antenna



The MPDP700-960-3 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 700-960 MHz band.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments. In addition this antenna is built to meet MIL-STD-810F

- **Low Profile**
- **Designed for Vest Compartments**
- **Low VSWR**
- **Build to meet MIL-STD-810F**



Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range:	700-960 MHz
Gain:	2.0 ~ 3.0dBi
VSWR:	< 2.0:1 Typical 2.5:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	25 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 63°
Input Connector:	Type TNC Male

MECHANICAL:

Overall Height:	15in. (0.38 m)
Radome:	1.5 in. Oval (38 mm)
Net Weight:	6 oz. (0.17 Kg)
Operational Temps:	-40° to +158°F (-40° to +70°C)
Color:	Black/Green/Tan/Grey
Mounting:	Type TNC Male
Compliance:	Built to meet: MIL-STD-810F

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(1Y32700)

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LTE Multi-Band Antenna



The MPDP700-960-5AC 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 700-960 MHz LTE band.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments. In addition this antenna is built to meet MIL-STD-810F

- **Low Profile**
- **Low VSWR**
- **Built to meet MIL-STD-810F**



Made in the USA
ISO 9001:2015 Certified
(1Y34050)

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LTE Multi-Band Antenna

Specifications

ELECTRICAL:

Frequency Range:	700-960 MHz
Gain:	5.0dBi +/- .5
VSWR:	< 2.5:1 Typical 3.0:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	25 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 35°
Input Connector:	Type N Male

MECHANICAL:

Overall Height:	25.5 in. (0.64 m)
Radome:	1.5 in. Oval (38 mm)
Net Weight:	9.2 oz. (0.26 Kg)
Operational Temps:	-40° to 185°F (-40° to 85°C)
Color:	Black/Green/Tan/Grey
Compliance:	Built to meet: MIL-STD-810F

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LTE Multi-Band Antenna



The MPDP700-960-3AC 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 700-960 MHz LTE band.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments. In addition this antenna is built to meet MIL-STD-810F

- **Low Profile**
- **Designed for Vest Compartments**
- **Low VSWR**
- **Built to meet MIL-STD-810F**



LTE Multi-Band Antenna

Specifications

ELECTRICAL:

Frequency Range:	700-960 MHz
Gain:	3.0dBi +/- .5
VSWR:	< 2.0:1 Typical 2.5:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	25 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 62°
Input Connector:	Type N Male

MECHANICAL:

Overall Height:	16 in. (0.406 m)
Radome:	1.5 in. Oval (38 mm)
Net Weight:	7.4 oz. (0.21 Kg)
Operational Temps:	-40° to 185°F (-40° to 85°C)
Color:	Black/Green/Tan/Grey
Compliance:	Built to meet: MIL-STD-810F

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Broadband Manpack Antenna



The MPDP700X4 broadband dipole 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 700-2500 MHz band.

The antenna has an instantaneous bandwidth of 1800 MHz over the operating band of 700-2500 MHz with a VSWR of 3:1 or less at any frequency within the operational band at power inputs of up to 40 Watts.

The robust mechanical and environmental design meets or exceeds MIL-STD-810 and includes a gooseneck section to allow adjustment of the radiator for various orientations of the manpack radio.

Being “ground independent”, this antenna can be used on all types of radio equipment (metal or non-metal) with no degradation in performance.



Broadband Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range:	700-2500 MHz
Gain*:	Free Space LOS (Line of Sight): -1.5 dBi @ 700 MHz increasing to 2.5 dBi @ 2500 MHz
VSWR:	3.5:1 @ 700-718 MHz < 3.0:1 @ 718-2500 MHz
Input Impedance:	50 Ω Nominal
Power:	40 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type N Male (Other Connectors Available)

MECHANICAL:

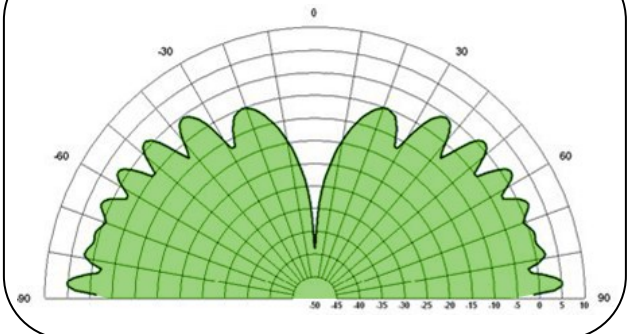
Overall Height:	15.0 in. (0.38 m)
Net Weight:	0.69 lb. (0.31 kg)
Color:	Black/Green/Tan/Grey
Mounting:	Type N Male (Other Connectors Available)

*The far field gain patterns shown are for the antenna mounted on a manpack test platform at 60" (1.52 m) above earth ground.

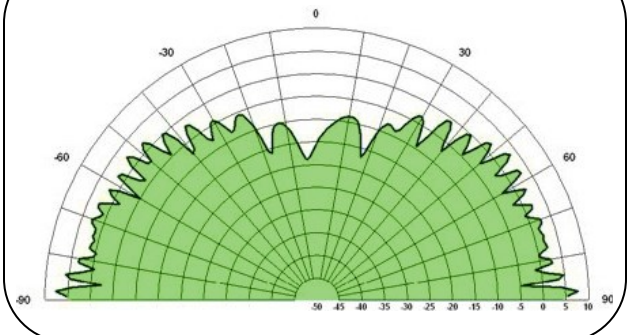
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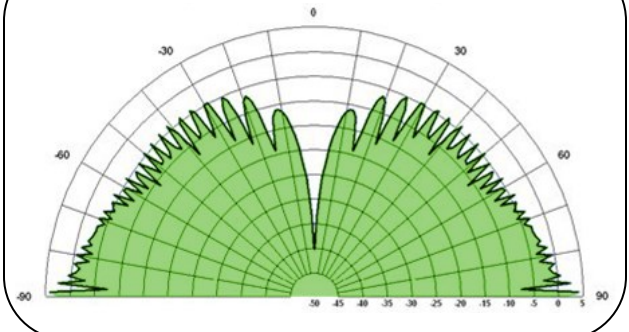
700 MHz 60" ABOVE AVERAGE SOIL



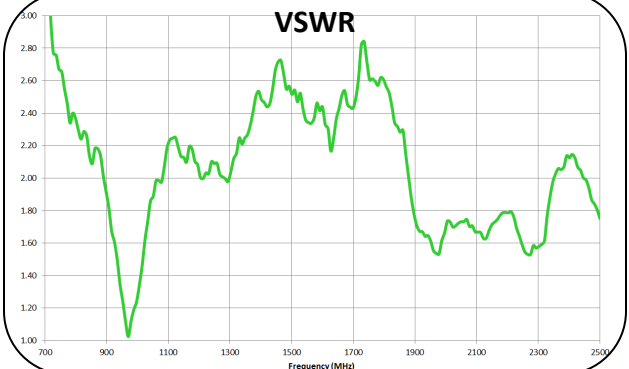
1200 MHz 60" ABOVE AVERAGE SOIL



2500 MHz 60" ABOVE AVERAGE SOIL



VSWR



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Broadband Manpack Antenna



The MPDP700X4AB broadband dipole 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 700-2500 MHz band.

The antenna has an instantaneous bandwidth of 1800 MHz over the operating band of 700-2500 MHz with a VSWR of 3:1 or less at any frequency within the operational band at power inputs of up to 40 Watts.

The robust mechanical and environmental design meets or exceeds MIL-STD-810 and includes a gooseneck section to allow adjustment of the radiator for various orientations of the manpack radio.

Being “ground independent”, this antenna can be used on all types of radio equipment (metal or non-metal) with no degradation in performance.



Broadband Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range:	700-2500 MHz
Gain*:	Free Space LOS (Line of Sight): -1.5 dBi @ 700 MHz increasing to 2.5 dBi @ 2500 MHz
VSWR:	3.5:1 @ 700-718 MHz < 3.0:1 @ 718-2500 MHz
Input Impedance:	50 Ω Nominal
Power:	40 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type N Male (Other Connectors Available)

MECHANICAL:

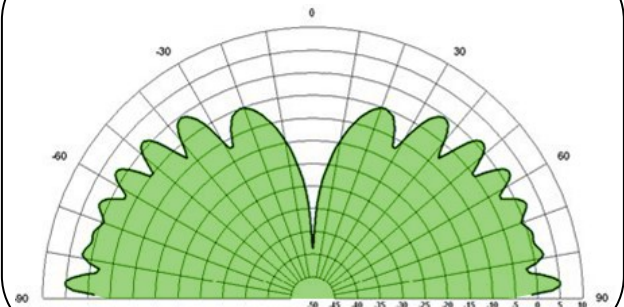
Overall Height:	17.0 in. (0.43 m)
Net Weight:	0.55 lb. (0.25 kg)
Color:	Black/Green/Tan/Grey
Mounting:	Type N Male (Other Connectors Available)

*The far field gain patterns shown are for the antenna mounted on a manpack test platform at 60" (1.52 m) above earth ground.

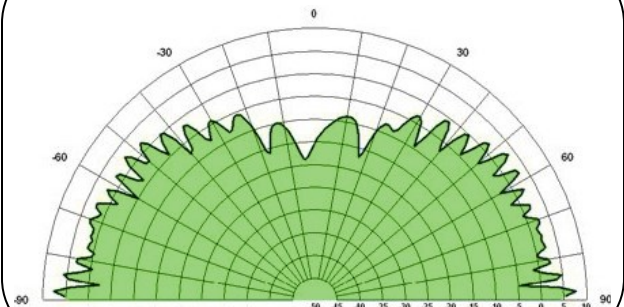
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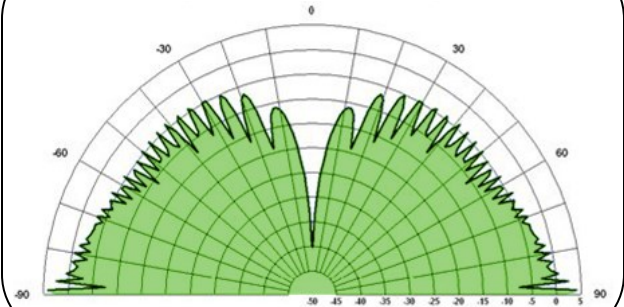
700 MHz 60" ABOVE AVERAGE SOIL



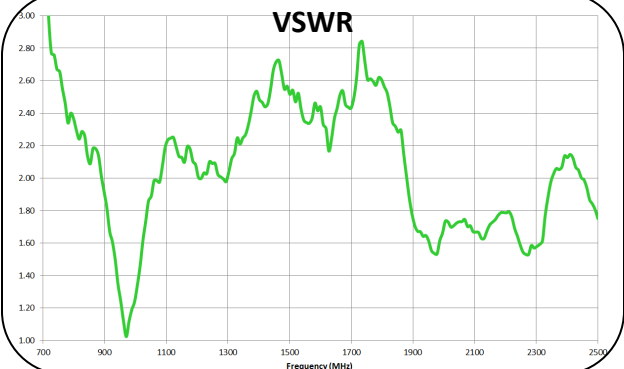
1200 MHz 60" ABOVE AVERAGE SOIL



2500 MHz 60" ABOVE AVERAGE SOIL



VSWR



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(1Y11000)

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Broadband Body Worn Antenna



The BWDP700X4AB body worn antenna is designed to be used in military manpack, commercial, and other body or vest mounted applications where reliability is needed most. This antenna works with all radios within the 700-2500 MHz band.

Being broadband and compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Being “ground independent”, this antenna can be used on all types of radio equipment (metal or non-metal) with no degradation in performance.

Robust and tough, this antenna is housed in a heavy duty UV stable radome and is for reliability in the harshest environments.

- **Low Profile**
- **Broadband**
- **Low VSWR**
- **Ground Independent**



Broadband Body Worn Antenna

Specifications

ELECTRICAL:

Frequency Range:	700-2500 MHz
Gain:	0.0 ~ 2.0 dBi +/- .5
VSWR:	< 2.0:1 Typical 2.5:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	10 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 70 - 90°
Input Connector:	Type TNC Male on antenna SMA Male on other end of cable

MECHANICAL:

Overall Dimensions:	7 in. H x 0.5 in. D x 2.0 in. W (178 mm H x 13 mm D x 51 mm W)
Net Weight:	0.3 lb. (0.13 kg)
Operational Temps:	-40° to +185°F (-40° to +85°C)
Color:	Black/Green/Tan/Grey

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Broadband Body Worn Antenna



The BWDP700X4AC body worn antenna is designed to be used in military manpack, commercial, and other body or vest mounted applications where reliability is needed most. This antenna works with all radios within the 700-2500 MHz band.

Being broadband and compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a heavy duty UV stable radome and is for reliability in the harshest environments.

- **Low Profile**
- **Broadband**
- **Low VSWR**
- **Excellent Gain**



Broadband Body Worn Antenna

Specifications

ELECTRICAL:

Frequency Range:	700-2500 MHz
Gain:	0.0 ~ 2.0 dBi +/- .5
VSWR:	< 2.0:1 Typical 2.5:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	30 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 70 - 90°
Input Connector:	Type Mini-UHF Female

MECHANICAL:

Overall Dimensions:	7 in. H x 0.5 in. D x 2.0 in. W (178 mm H x 13 mm D x 51 mm W)
Coax Length:	6 ft. (1.83 m)
Net Weight:	0.3 lb. (0.13 kg)
Operational Temps:	-40° to +185°F (-40° to +85°C)
Color:	Black/Green/Tan/Grey
Mounting:	Type Mini-UHF Female

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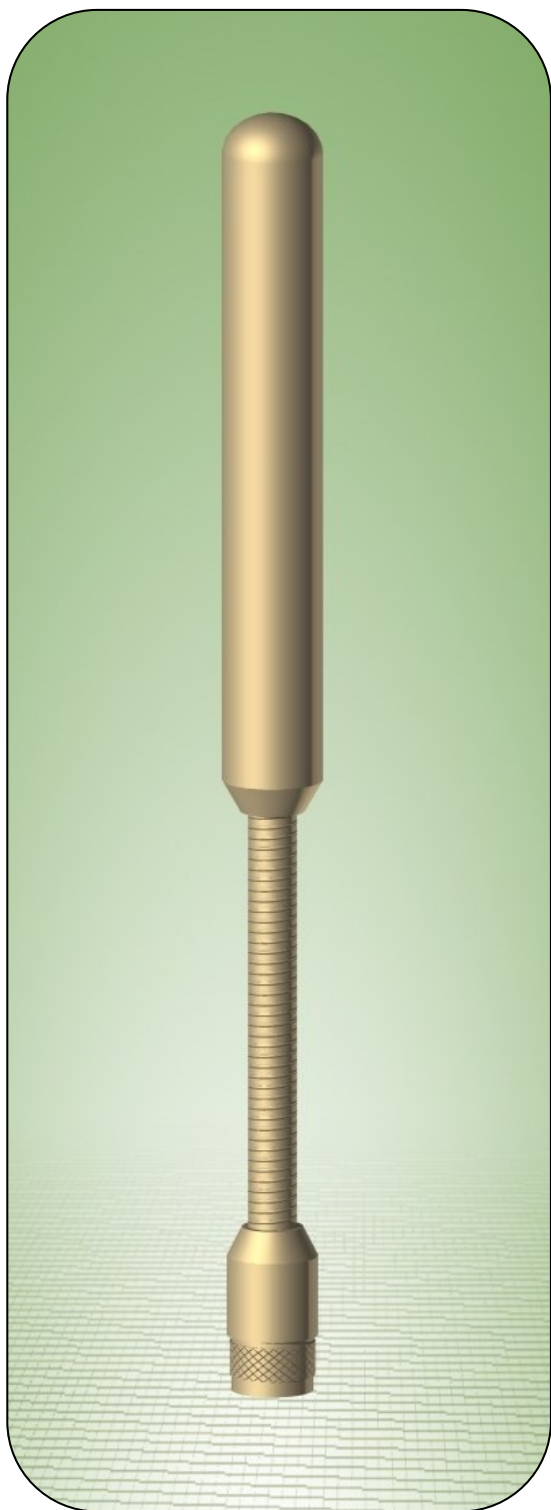
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Broadband Manpack Antenna



The MPDP700X4AB-DT broadband dipole 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 700-2500 MHz band.

The antenna has an instantaneous bandwidth of 1800 MHz over the operating band of 700-2500 MHz with a VSWR of 3:1 or less at any frequency within the operational band at power inputs of up to 40 Watts.

The robust mechanical and environmental design meets or exceeds MIL-STD-810 and includes a gooseneck section to allow adjustment of the radiator for various orientations of the manpack radio.

Being “ground independent”, this antenna can be used on all types of radio equipment (metal or non-metal) with no degradation in performance.

- Key Point 1
- Key Point 2



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Broadband Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range:	700-2500 MHz
Gain*:	Free Space LOS (Line of Sight): -1.5 dBi @ 700 MHz increasing to 2.5 dBi @ 2500 MHz
VSWR:	3.5:1 @ 700-718 MHz < 3.0:1 @ 718-2500 MHz
Input Impedance:	50 Ω Nominal
Power:	40 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type N Male (Other Connectors Available)

MECHANICAL:

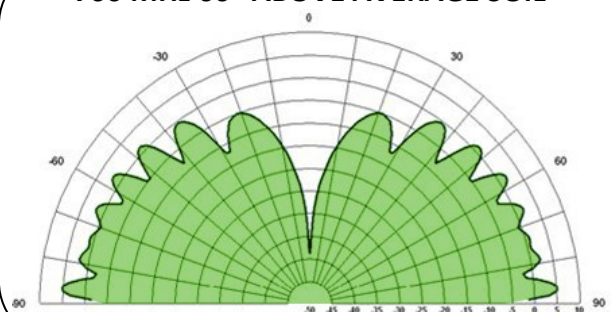
Overall Height:	17.0 in. (0.43 m)
Net Weight:	0.55 lb. (0.25 kg)
Color:	Black/Green/Tan/Grey
Mounting:	Type N Male (Other Connectors Available)

*The far field gain patterns shown are for the antenna mounted on a manpack test platform at 60" (1.52 m) above earth ground.

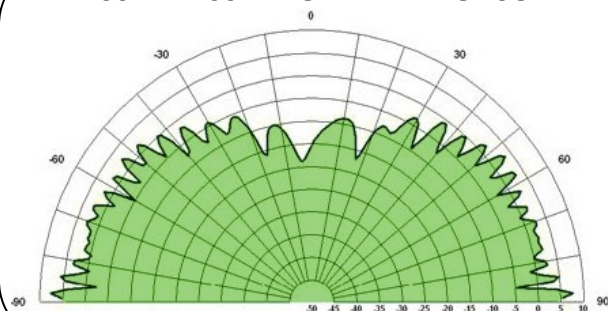
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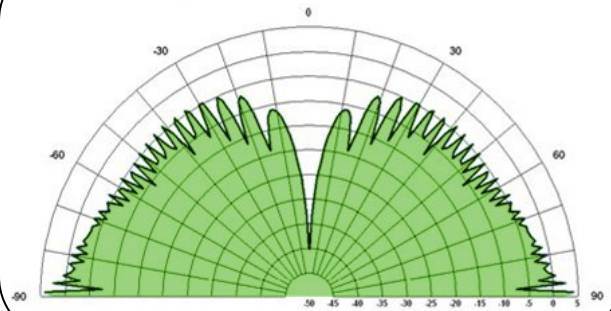
700 MHz 60" ABOVE AVERAGE SOIL



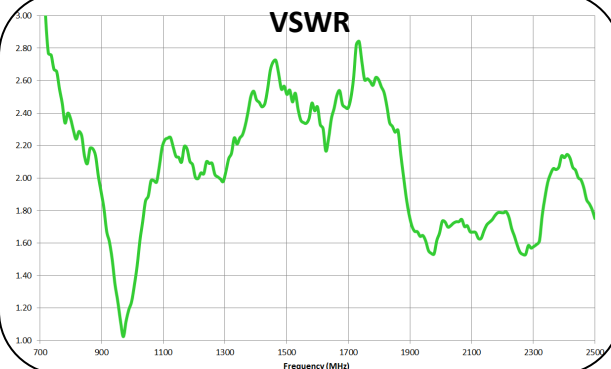
1200 MHz 60" ABOVE AVERAGE SOIL



2500 MHz 60" ABOVE AVERAGE SOIL



VSWR



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Broadband Manpack Antenna



The MPDP700X4AC broadband dipole 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 700-2500 MHz band.

The antenna has an instantaneous bandwidth of 1800 MHz over the operating band of 700-2500 MHz with a VSWR of 3:1 or less at any frequency within the operational band at power inputs of up to 40 Watts.

The robust mechanical and environmental design meets or exceeds MIL-STD-810 and includes a gooseneck section to allow adjustment of the radiator for various orientations of the manpack radio.

Being “ground independent”, this antenna can be used on all types of radio equipment (metal or non-metal) with no degradation in performance.



Broadband Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range:	700-2500 MHz
Gain*:	Free Space LOS (Line of Sight): -1.5 dBi @ 700 MHz increasing to 2.5 dBi @ 2500 MHz
VSWR:	3.5:1 @ 700-718 MHz < 3.0:1 @ 718-2500 MHz
Input Impedance:	50 Ω Nominal
Power:	40 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type TNC Male

MECHANICAL:

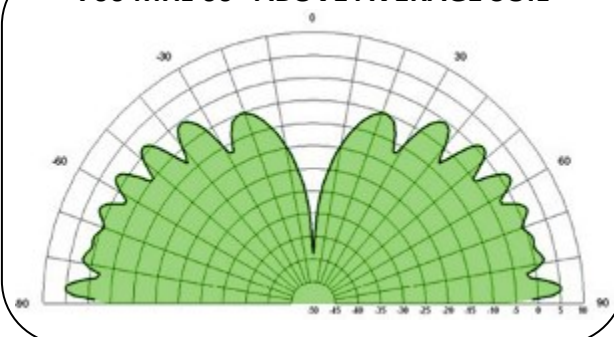
Overall Height:	19.0 in. (0.48 m)
Net Weight:	0.58 lb. (0.26 kg)
Color:	Black/Green/Tan/Grey
Mounting:	Type TNC Male

*The far field gain patterns shown are for the antenna mounted on a manpack test platform at 60" (1.52 m) above earth ground.

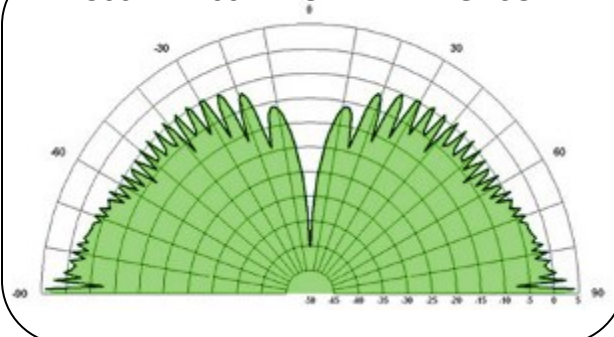
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700 MHz 60" ABOVE AVERAGE SOIL



2500 MHz 60" ABOVE AVERAGE SOIL



GAIN VS. FREQUENCY



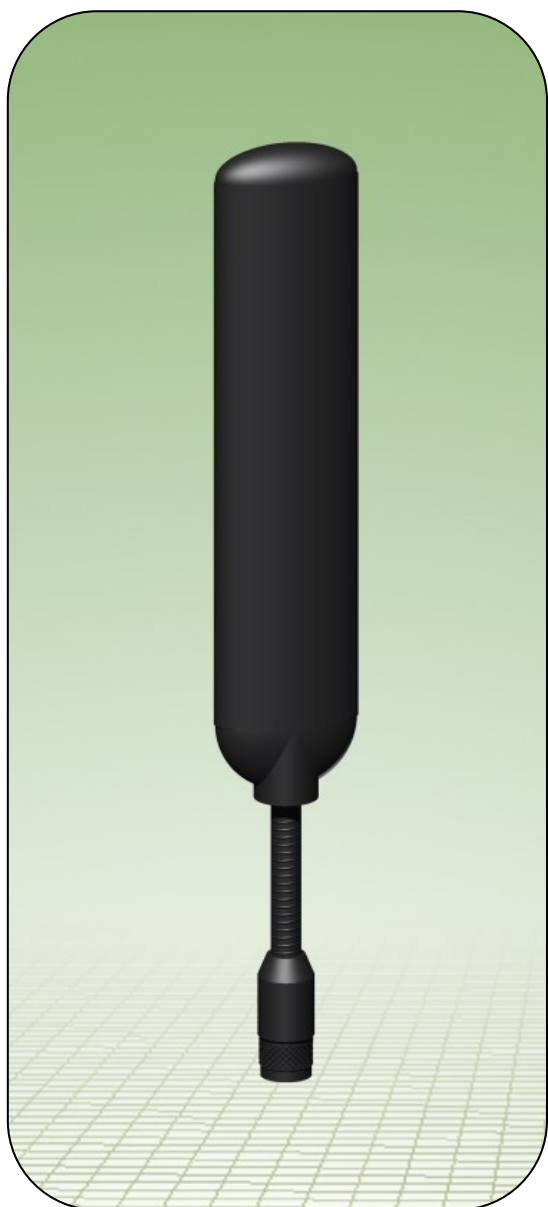
VSWR



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Broadband Manpack Antenna



The MPDP700X4AD broadband dipole antenna is designed to be used in military manpack, commercial, and other body or vest mounted applications where reliability is needed most. This antenna works with all radios within the 700-2500 MHz band.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Being broadband and compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments. In addition the base includes a rugged flexible gooseneck for positioning adjustments.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Broadband**
- **Low VSWR**
- **Robust Construction**
- **Plug & Play**



Broadband Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range:	700-2500 MHz
Gain:	0.0 ~ 2.0 dBi +/- 1
VSWR:	2.5:1 Typical 2.0:1 806-960 & 1710-1990 MHz
Input Impedance:	50 Ω Nominal
Power:	20 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 75°
Input Connector:	Type N Male (Other Connectors Available)

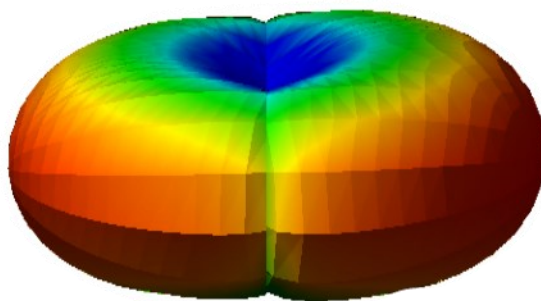
MECHANICAL:

Overall Height:	15 in. (0.38 m)
Antenna Length:	10.25 in. (0.26 m)
Radome:	2.25 in. Oval (57.2 mm)
Net Weight:	0.6 lb. (0.27 kg)
Color:	Black/Green/Tan/Grey
Deflection:	Gooseneck Flexible Tubing
Mounting:	Type N Male (Other Connectors Available)

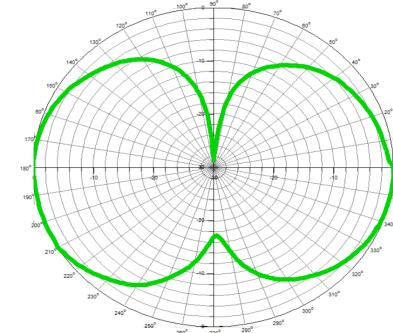
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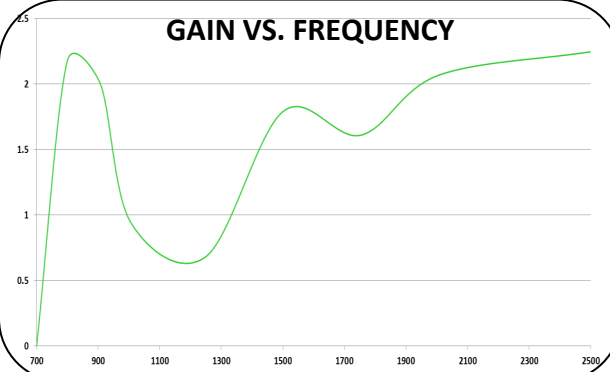
3D REFERENCE



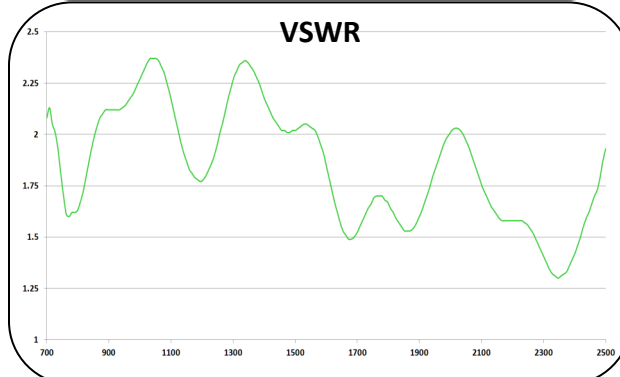
ELEVATION PATTERN REFERENCE



GAIN VS. FREQUENCY



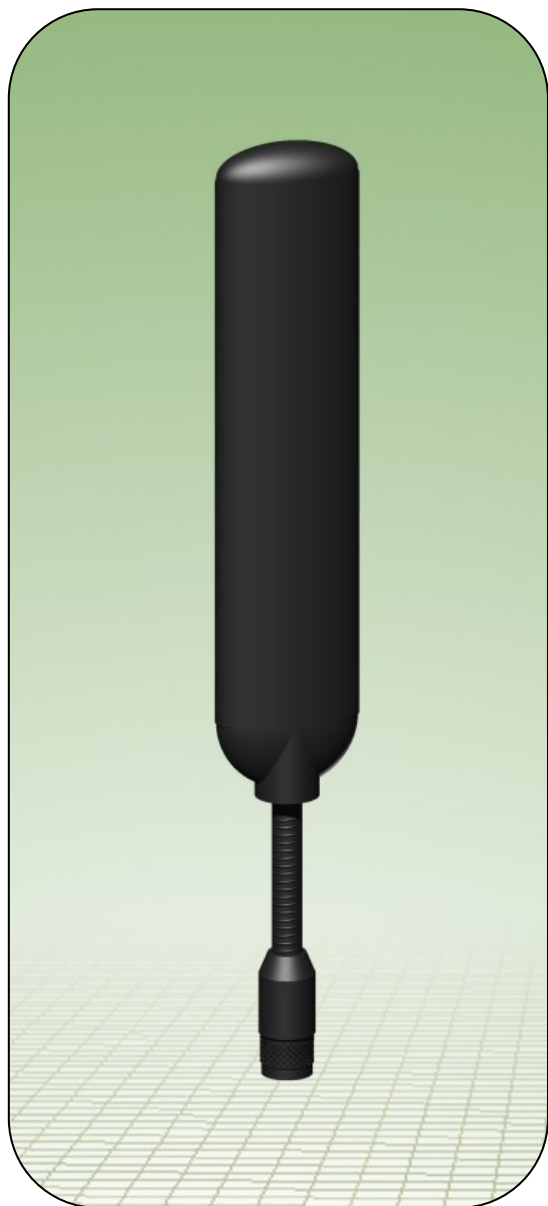
VSWR



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Broadband Body Worn Antenna



The BWDP700X4AD body worn antenna is designed to be used in military manpack, commercial, and other body or vest mounted applications where reliability is needed most. This antenna works with all radios within the 700-2600 MHz band.

Being broadband and compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, and other compartments. In addition the base has a 1/2" diameter flexible gooseneck for greater positioning options.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a heavy duty UV stable radome and is for reliability in the harshest environments.

- **Low Profile**
- **Broadband**
- **Low VSWR**
- **Excellent Gain**



Broadband Body Worn Antenna

Specifications

ELECTRICAL:

Frequency Range:	700-2600 MHz
Gain:	2.0 ~ 4.0 dBi +/- .5
VSWR:	< 4.0:1 700-800 MHz <3.0:1 800-2500 MHz
Input Impedance:	50 Ω Nominal
Power:	25 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 70 - 90°
Input Connector:	Type TNC Male

MECHANICAL:

Overall Dimensions:	13 in. H x 1 in. D x 2.25 in. W (330 mm H x 26 mm D x 57 mm W)
Net Weight:	0.5 lb. (0.23 kg)
Operational Temps:	-40° to +185°F (-40° to +85°C)
Color:	Black/Green/Tan/Grey
Mounting:	Type TNC Male

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Manpack Antenna



The Model MPDP806-960/1710-1900-4 troop antenna is designed to be mounted on equipment where reliability is needed most. This antenna works with all radios within the 806-960 & 1710-1900 MHz bands.

This antenna is ideal for clandestine operations, jamming, and other high performance platforms. Designed for maximum gain performance, lightweight, and encompasses a ruggedized 5/8 Gooseneck flex section ideal for quick fold out positioning and return.

The radiator element unique to Hascall-Denke is of top leading technology. Designed for durability and performance. The complete antenna is sealed in a heavy duty UV stable radome for maximum mechanical stability and reliability in harsh environments.



Manpack Antenna

Specifications

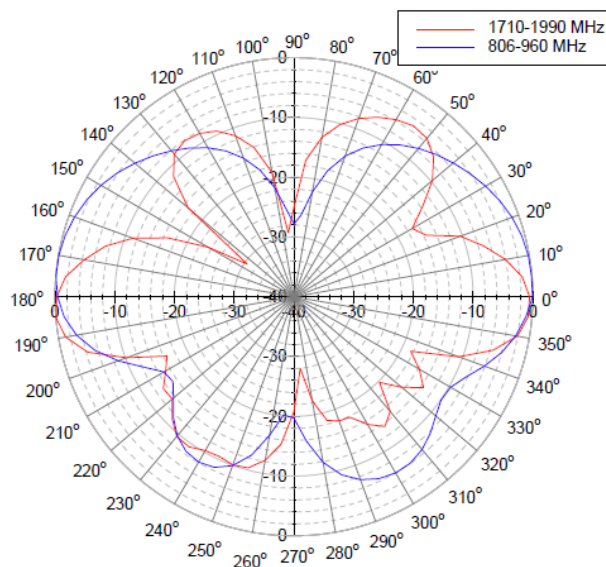
ELECTRICAL:

Frequency Range:	806-960 MHz 1710-1900 MHz
Gain:	4 dBi +/- .5
VSWR:	3:1 Max 2.5:1 Typical Operational
Input Impedance:	50 Ω Nominal
Power:	25 Watts
Polarization:	Vertical
Beamwidth:	Horizontal: 360° Vertical: 25° - 37°
Input Connector:	Type N Male

MECHANICAL:

Overall Height:	22.5 in. (0.57 m)
Antenna Height:	28.0 in. (0.71 m)
Net Weight:	1.5 lb. (0.68 kg)
Color:	Black/Green/Tan/Grey
Mounting:	Type N Male

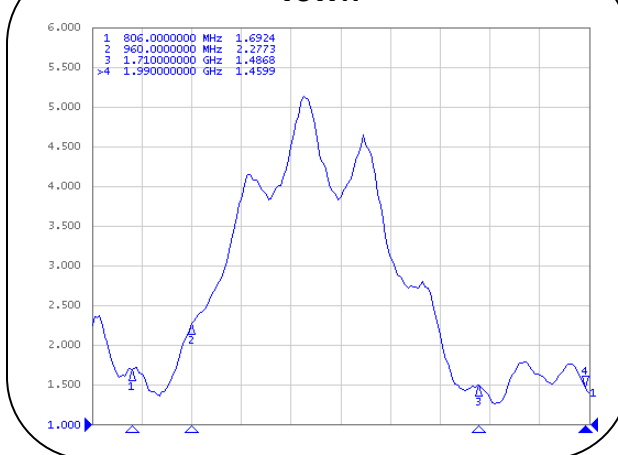
PATTERN REFERENCE



GAIN VS. FREQUENCY



VSWR



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Manpack Antenna



The MPDP900-930 antenna is designed to be used in military manpack, commercial, and other body or vest mounted applications where reliability is needed most. This antenna works with all radios within the 900-930 MHz band.

Being compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments. In addition this antenna is built to meet MIL-STD-810F.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low Profile**
- **Designed for Vest Compartments**
- **Low VSWR**
- **Built to meet MIL-STD-810F**



Manpack Antenna

Specifications

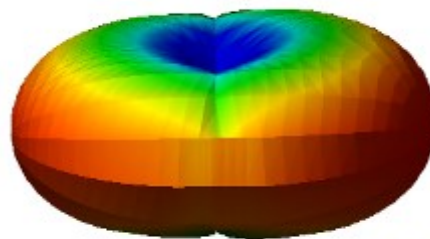
ELECTRICAL:

Frequency Range:	900-930 MHz
Gain:	2.0 dBi +/- .5
VSWR:	< 1.5:1 Typical 2.0:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	25 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 70°
Input Connector:	Type SMA Female

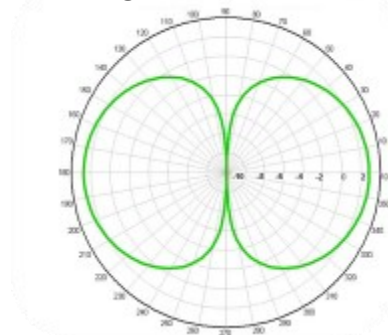
MECHANICAL:

Overall Height:	7.25 in. (184 mm)
Radome:	1.2 in. Oval (30 mm)
Net Weight:	2.25 oz. (64 g)
Compliance:	Built to meet: MIL-STD-810F
Water Ingress:	~ 2 meters @ 30 min. duration.
Color:	Black/Green/Tan/Grey
Mounting:	Type SMA Female

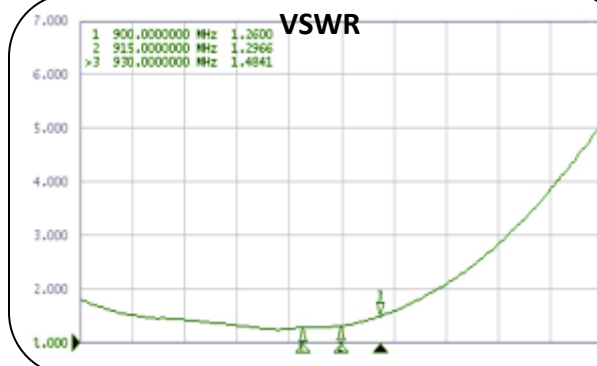
3D REFERENCE



ELEVATION PATTERN REFERENCE



VSWR



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Manpack Antenna



The MPDP900-930-4 antenna is designed to be used in military manpack, commercial, and other body or vest mounted applications where reliability is needed most. This antenna works with all radios within the 900-930 MHz band.

Being compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments. In addition this antenna is built to meet MIL-STD-810F

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low Profile**
- **Designed for Vest Compartments**
- **Low VSWR**
- **Build to meet MIL-STD-810F**



Manpack Antenna

Specifications

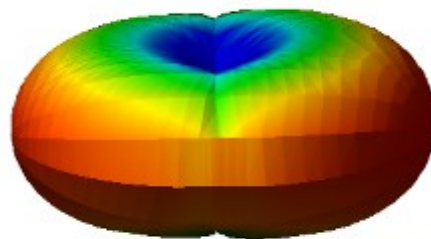
ELECTRICAL:

Frequency Range:	900-930 MHz
Gain:	4.0 ~ 5.0 dBi
VSWR:	< 1.5:1 Typical 2.0:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	25 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 70°
Input Connector:	Type SMA Female

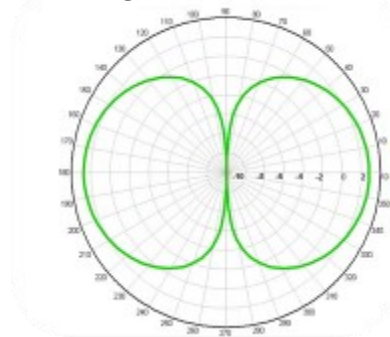
MECHANICAL:

Overall Height:	14.5 in. (0.37 m)
Radome:	1.2 in. Oval (30 mm)
Net Weight:	3 oz. (85 g)
Compliance:	Built to meet: MIL-STD-810F
Water Ingress:	~ 2 meters @ 30 min. duration.
Color:	Black/Green/Tan/Grey
Mounting:	Type SMA Female

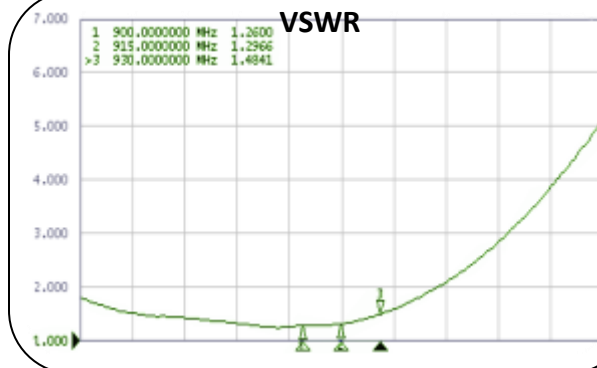
3D REFERENCE



ELEVATION PATTERN REFERENCE



VSWR



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Manpack Antenna



The MPDP902-928 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 902-928 MHz band.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments. In addition this antenna is built to meet MIL-STD-810F

- **Low Profile**
- **Designed for Vest Compartments**
- **Low VSWR**
- **Build to meet MIL-STD-810F**



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Manpack Antenna

Specifications

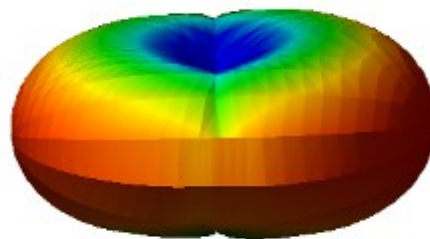
ELECTRICAL:

Frequency Range:	902-928 MHz
Gain:	2.5 +/- .5dBi
VSWR:	< 1.2:1 Typical 1.5:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	25 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 70°
Input Connector:	Type TNC Male

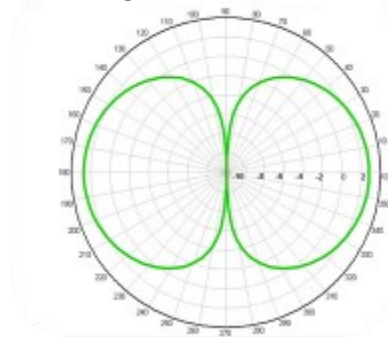
MECHANICAL:

Overall Height:	12.8 in. (0.33 m)
Radome:	1.2 in. Oval (30 mm)
Net Weight:	3.8 oz. (109 g)
Compliance:	Built to meet: MIL-STD-810F
Water Ingress:	~ 20 meters @ 30 min. duration.
Color:	Black/Green/Tan/Grey
Mounting:	Type TNC Male

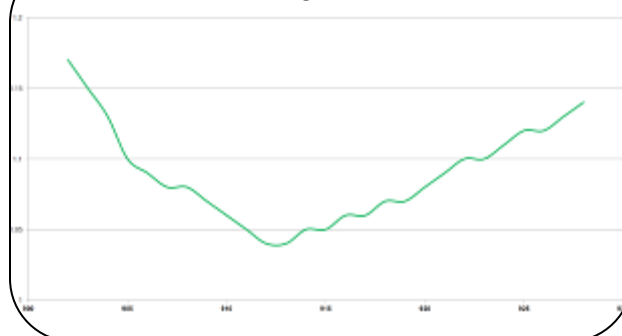
3D REFERENCE



ELEVATION PATTERN REFERENCE



VSWR



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L-Band Manpack Antenna



The MPDP1.2-1.9-4 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 1200-1900 MHz L-band.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments. In addition this antenna is built to meet MIL-STD-810F

- **Low Profile**
- **Designed for MANET Waveform Radios**
- **Telemetry**
- **Low VSWR**
- **Built to meet MIL-STD-810F**



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(1Y34000)

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L-Band Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 1200-1900 MHz

Gain: 4.0dBi +/- .5

VSWR: < 2.5:1 Typical
3.0:1 Maximum

Input Impedance: 50 Ω Nominal

Power: 25 Watts

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 45°

Input Connector: Type TNC-Male

MECHANICAL:

Overall Height: 24 in. (0.609 m)

Radome: 1.5 in. Oval (38 mm)

Net Weight: 9.2 oz. (0.26 Kg)

Operational Temps: -40° to 185°F (-40° to 85°C)

Color: Black/Green/Tan/Grey

Compliance: Built to meet: MIL-STD-810F

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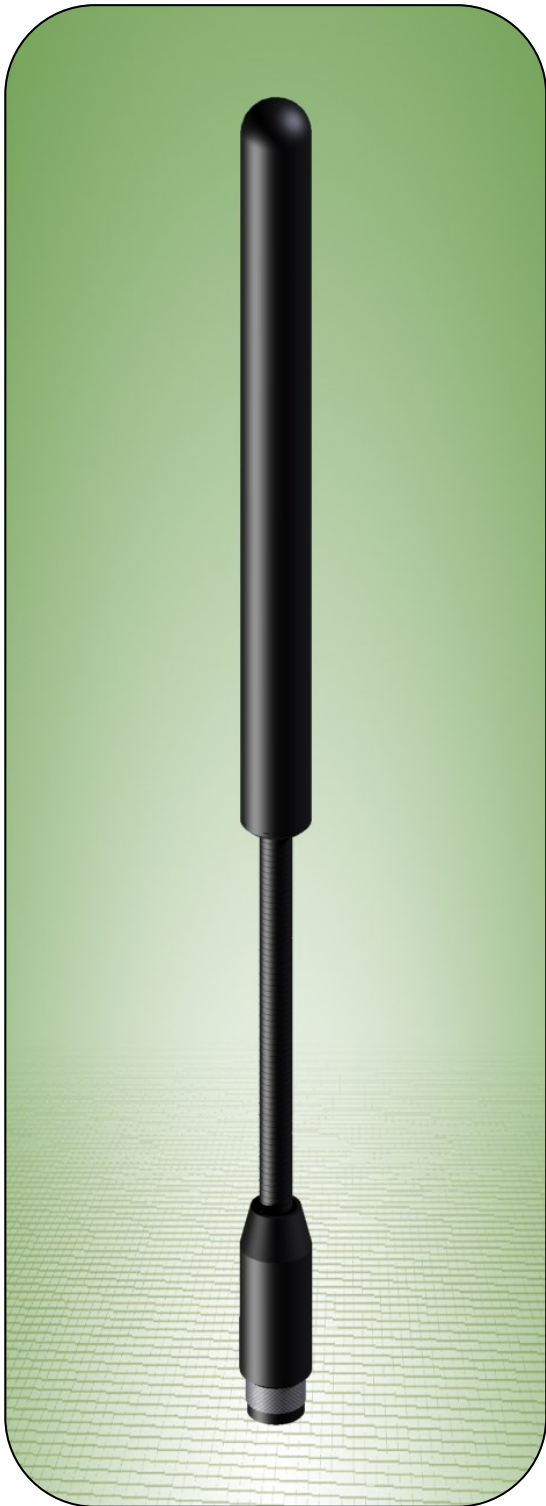
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Manpack Antenna



The MPDP1400-1650 dipole 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 1400-1650 MHz band.

The antenna has an instantaneous bandwidth of 250 MHz over the operating band of 1400-1650 MHz with a VSWR of 1.8:1 or less. The robust mechanical and environmental design meets or exceeds MIL-STD-810 and includes a flexible gooseneck for optimal positioning.

Being “ground independent”, this antenna can be used on all types of radio equipment (metal or non-metal) with no degradation in performance.

Robust and tough, this antenna is housed in a thick fiberglass radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Ground Independent**
- **Low VSWR**
- **Flexible Gooseneck Section**



Manpack Antenna

Specifications

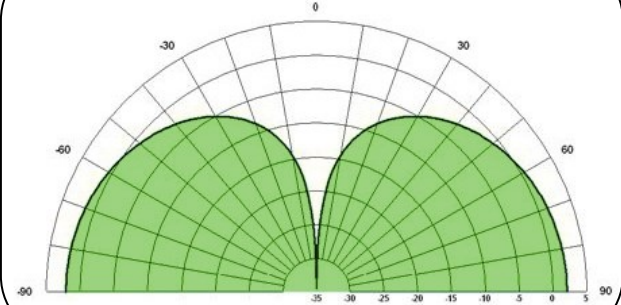
ELECTRICAL:

Frequency Range:	1400-1650 MHz
Gain:	1.1 dBi Free Space Line of Sight
VSWR:	1.8:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	25 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type N Male

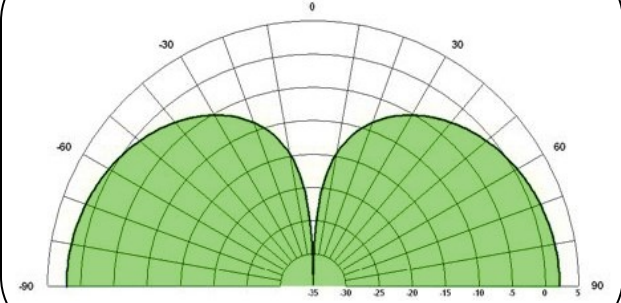
MECHANICAL:

Overall Height:	17.7 in. (0.45 m)
Net Weight:	0.72 lb. (0.32 kg)
Color:	Black/Green/Tan/Grey
Mounting:	Type N Male

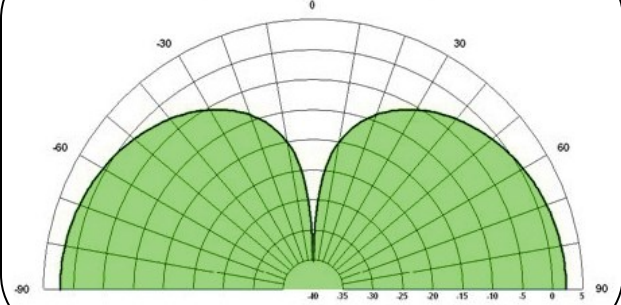
VERTICAL GAIN PATTERN 1400 MHz



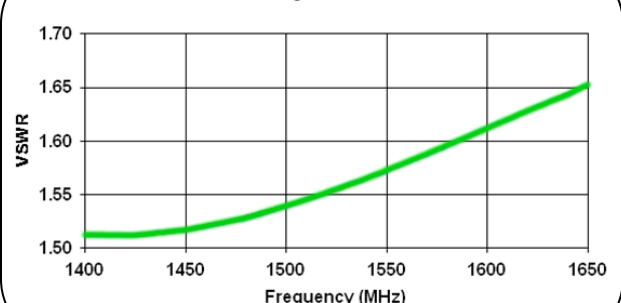
VERTICAL GAIN PATTERN 1500 MHz



VERTICAL GAIN PATTERN 1650 MHz



VSWR



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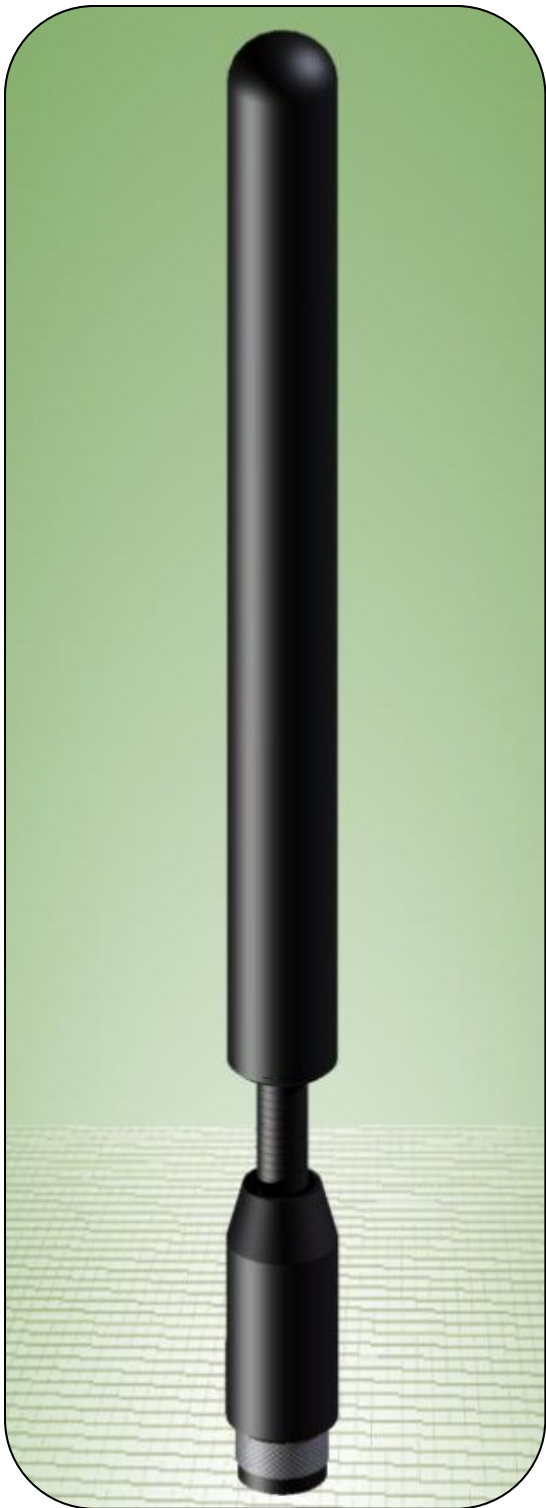
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Multiband Manpack Antenna



The MPDP1.6-2.3-1 multiband dipole 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 1616-1626, 1755-1835 & 2180-2290 MHz band.

The antenna is designed to provide maximum Data, Video & Voice performance in a wide range of applications.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick fiberglass radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Single Input - Multiband**
- **High Data Rate Capable**
- **Low VSWR**
- **Flexible Gooseneck Section**



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Multiband Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 1616-1626 MHz (RHCP)
1755-1835 MHz (Vert. Lin.)
2180-2290 MHz (Vert. Lin.)

Gain: 4.0 dBi +/- .5

VSWR: 2.0:1 Maximum

Input Impedance: 50 Ω Nominal

Power: 20 Watts PEP

Polarization: Vertical & RHCP

Radiation Pattern: Azimuth: 360°
Elevation: 40°

Input Connector: Type TNC Male

MECHANICAL:

Overall Height: 12 in. (0.30 m)

Radome Diameter: 1 in. OD (25.4 mm)

Net Weight: 0.6 lb. (0.27 kg)

Color: Black/Green/Tan/Grey

Mounting: Type TNC Male

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Manpack Antenna



The MPDP1625-1850 antenna is designed to be used in military manpack, commercial, and other body or vest mounted applications where reliability is needed most. This antenna works with all radios within the 1625-1850 MHz band.

Being compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, and other compartments. In addition this antenna is built to meet MIL-STD-810F

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low Profile**
- **Designed for Vest Compartments**
- **Low VSWR**
- **Built to meet MIL-STD-810F**



Manpack Antenna

Specifications

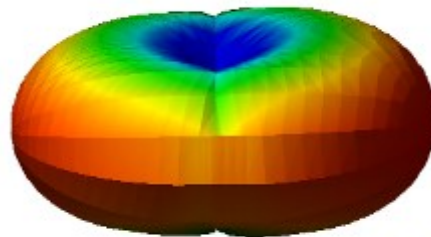
ELECTRICAL:

Frequency Range:	1625-1850 MHz
Gain:	2.0 ~ 4.0 dBi
VSWR:	< 2.0:1 Typical
Input Impedance:	50 Ω Nominal
Power:	10 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 55°
Input Connector:	Type TNC Female

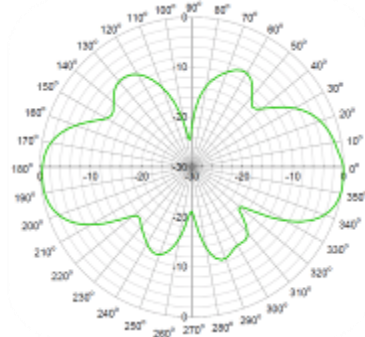
MECHANICAL:

Overall Height:	7 in. (0.18 m)
Radome:	1.2 in. Oval (30 mm)
Net Weight:	4.25 oz. (120 g)
Compliance:	Built to meet: MIL-STD-810F
Water Ingress:	~ 2 meters @ 30 min. duration.
Color:	Black/Green/Tan/Grey
Mounting:	Type TNC Female

3D REFERENCE



ELEVATION PATTERN REFERENCE



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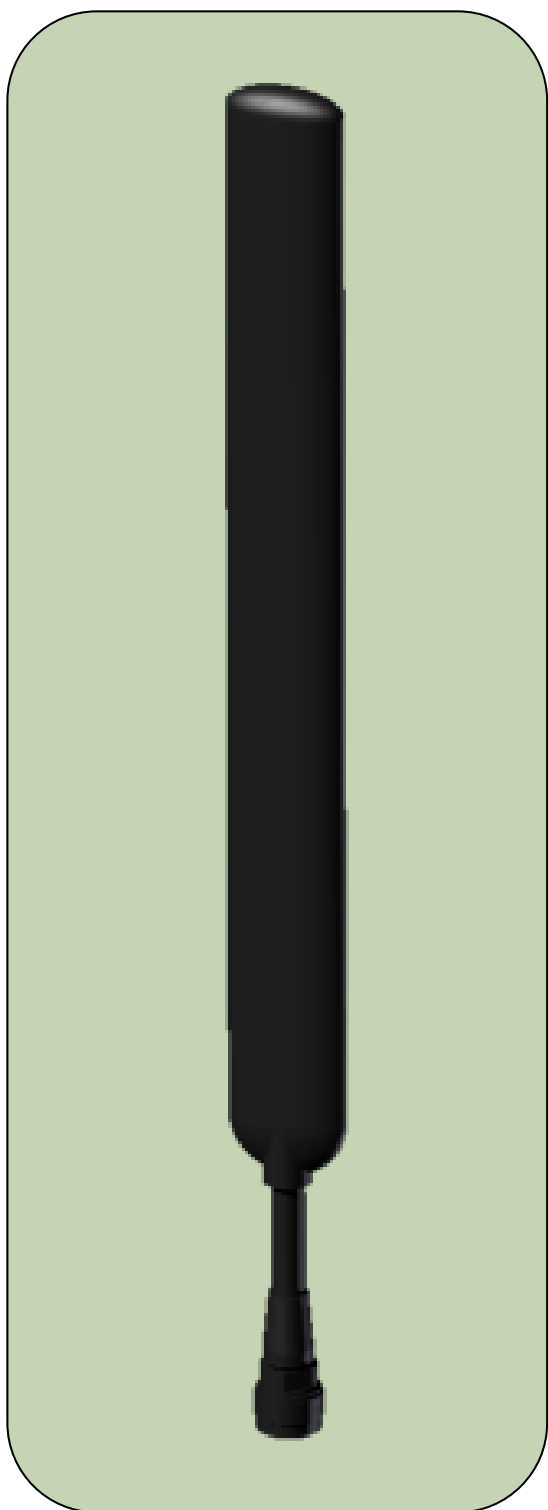
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Broadband Manpack Antenna



The MPDP1.7-2.5 dipole 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 1700-2500 MHz band.

Being compact for its frequency of operation, this antenna is ideal for broadband operations requiring hemispherical coverage. The sleek profile, lightweight design, and flexible gooseneck section provide a dependable solution for handheld equipment or manpack operations.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Broadband**
- **Low VSWR**
- **Hemispherical Coverage**
- **Ground-to-Air or Ground-to-Ground Ready**
- **Protective Gooseneck Armor over Coax**
- **Built to meet MIL-STD-810F**



Broadband Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 1700-2500 MHz

Gain: 6.0 dBi +/- .5

VSWR: < 2.0:1 Typical
2.5:1 Max

Input Impedance: 50 Ω Nominal

Power: 35 Watts PEP

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 32°

Input Connector: Type N Male

MECHANICAL:

Overall Height: 35.5in. (0.90 m)

Radome: 1.5 in. Oval (38 mm)

Net Weight: 0.95 lb. (0.43 kg)

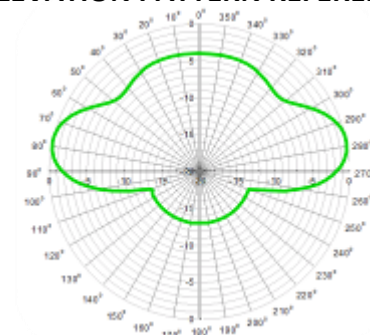
Color: Black/Green/Tan/Grey

Deflection: +/- 45°

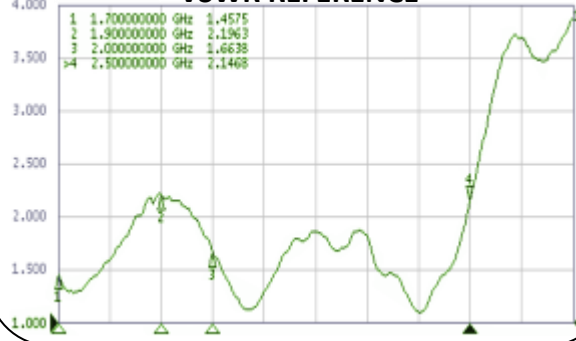
Compliance: Built to meet: MIL-STD-810F

Mounting: Type N Male

ELEVATION PATTERN REFERENCE



VSWR REFERENCE



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Dual Band Manpack Antenna



The MPDP1755-1815/2200-2270-2 antenna is designed to be used in military manpack, commercial, and other body, vest or handheld mounted applications where reliability is needed most. This antenna works with all radios within the 1755-1815 & 2200-2270 MHz bands.

Being dual band and compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments. In addition the base includes a ruggedized flex section for quick positioning and return. It is also built to meet MIL-STD-810F.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- Low Profile
- Low VSWR
- Build to meet MIL-STD-810F
- Digital Ready
- Submersible*



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Dual Band Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 1755-1815 & 2200-2270 MHz

Gain: 2.0 dBi +/- .5

VSWR: < 2.0:1 Typical

Input Impedance: 50 Ω Nominal

Power: 20 Watts PEP

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 70°

Input Connector: Type SMA Male

MECHANICAL:

Overall Height: 8.5 in. (216 mm)

Antenna Length: 4.5 in. (115 mm)

Radome: 1.125 in. Oval (29 mm)

Net Weight: 2.32 oz.. (66 g)

Compliance: Built to meet: MIL-STD-810F

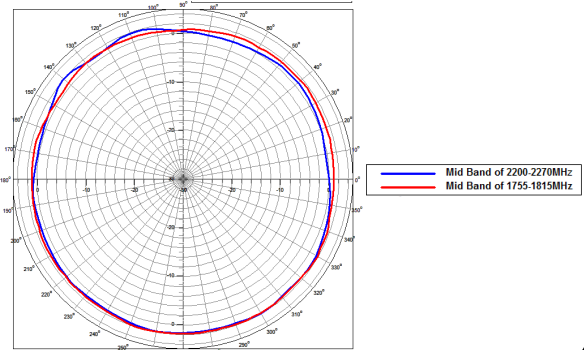
Color: Black/Green/Tan/Grey

Deflection at Base: +/- 90°

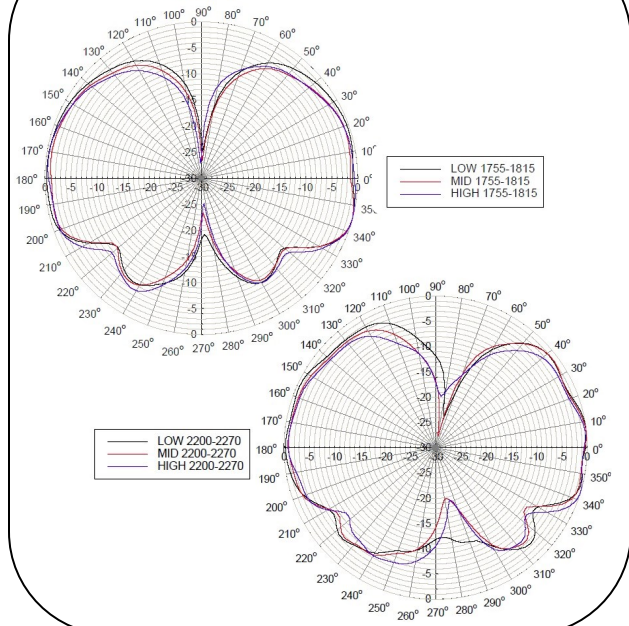
***Water Ingress:** ~ 2 meters @ 30 min. duration.

Mounting: Type SMA Male

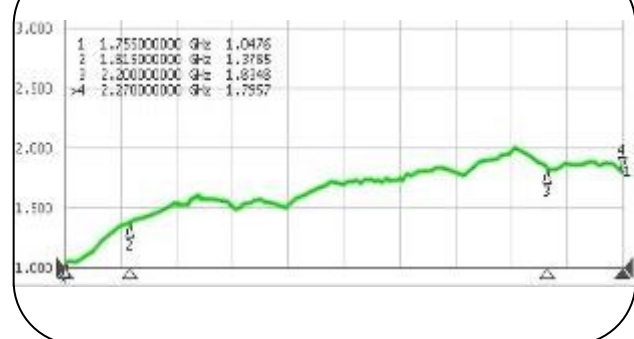
H-PLANE PATTERN REFERENCE



E-PLANE PATTERN 1755-1815MHz & 2200-2270MHz



VSWR



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Dual Band Manpack Antenna



The MPDP1755-1815/2200-2270-2AB antenna is designed to be used in military manpack, commercial, and other body, vest or handheld mounted applications where reliability is needed most. This antenna works with all radios within the 1755-1815 & 2200-2270 MHz bands.

Being dual band and compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments. In addition the base includes a ruggedized flex section for quick positioning and return. It is also built to meet MIL-STD-810F.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low Profile**
- **Low VSWR**
- **Build to meet MIL-STD-810F**
- **Dual Band, Stable Gain**
- **Digital Ready**
- **Submersible***



Dual Band Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 1755-1815 & 2200-2270 MHz

Gain: 2.0 dBi +/- .5

VSWR: < 2.0:1 Typical

Input Impedance: 50 Ω Nominal

Power: 20 Watts PEP

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 70°

Input Connector: Type TNC Male

MECHANICAL:

Overall Height: 10.1 in. (256 mm)

Antenna Length: 5.9 in. (150 mm)

Radome: 1.2 in. Oval (30 mm)

Net Weight: 3.2 oz. (91 g)

Compliance: Built to meet: MIL-STD-810F

Color: Black/Green/Tan/Grey

Deflection at Base: +/- 90°

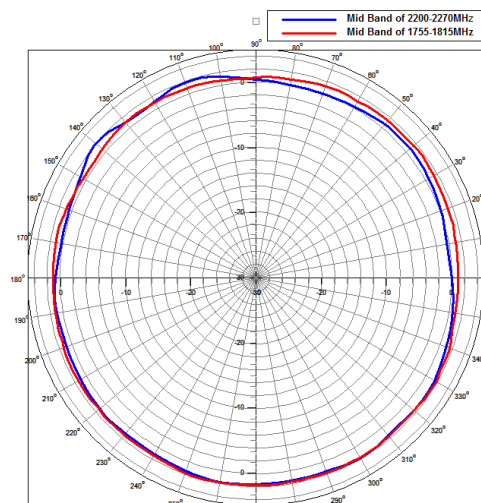
***Water Ingress:** ~ 2 meters @ 30 min. duration.

Mounting: Type TNC Male

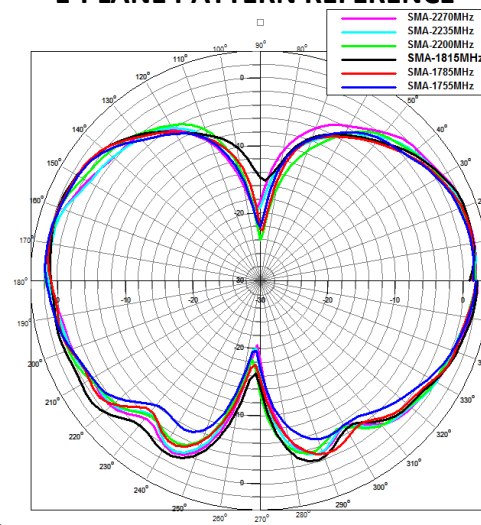
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H-PLANE PATTERN REFERENCE



E-PLANE PATTERN REFERENCE



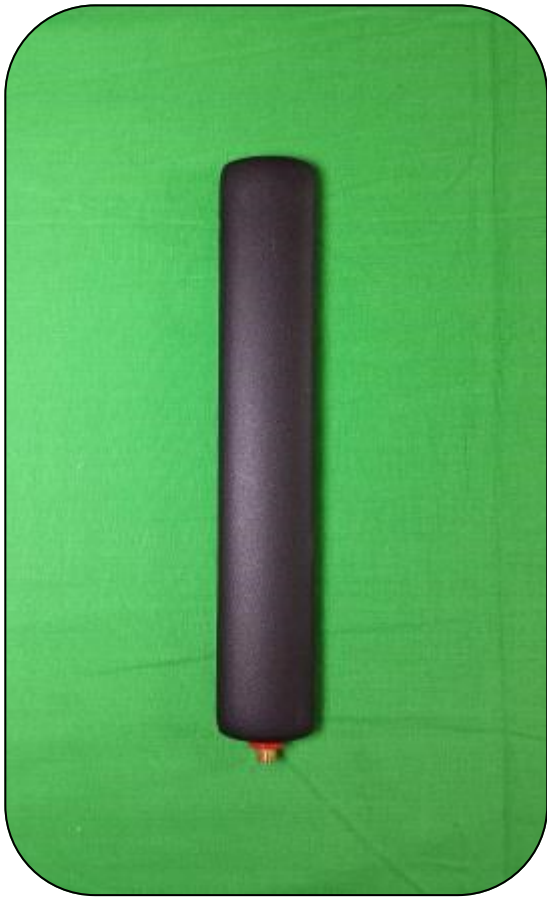
VSWR



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Dual Band Manpack Antenna



The MPDP1.7/2.3-2 antenna is designed to be used in military manpack, commercial, and other body, vest or handheld mounted applications where reliability is needed most. This antenna works with all radios within the 1755-1815 & 2200-2270 MHz bands.

Being compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments. In addition this antenna is built to meet MIL-STD-810F.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low Profile**
- **Designed for Vest Compartments**
- **Low VSWR**
- **Built to meet MIL-STD-810F**
- **Dual Band, Stable Gain**
- **Digital Ready**
- **Submersible***



Dual Band Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 1755-1815 & 2200-2270 MHz

Gain: 2.0 dBi +/- .5

VSWR: 2.0:1 Typical

Input Impedance: 50 Ω Nominal

Power: 20 Watts PEP

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 70°

Input Connector: Type SMA Female

MECHANICAL:

Overall Height: 5.5 in. (140 mm)

Antenna Length: 3.2 in. (81 mm)

Radome: 1.2 in. Oval (30 mm)

Net Weight: 1.25 oz. (35 g)

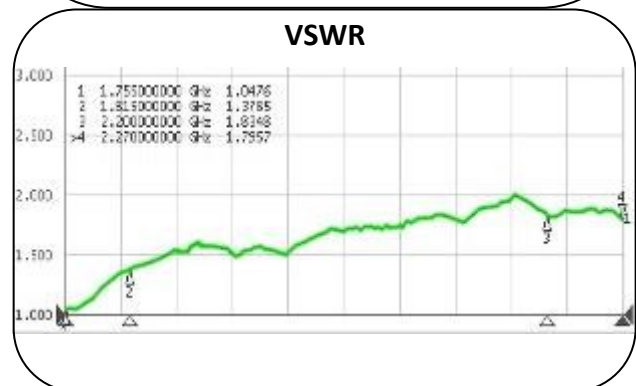
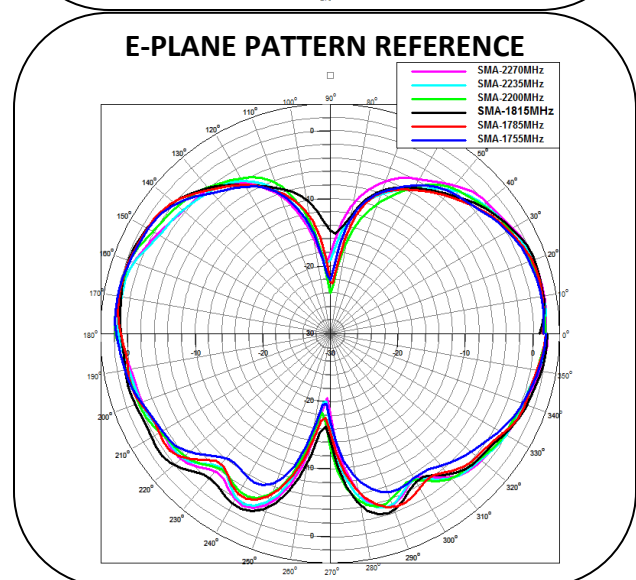
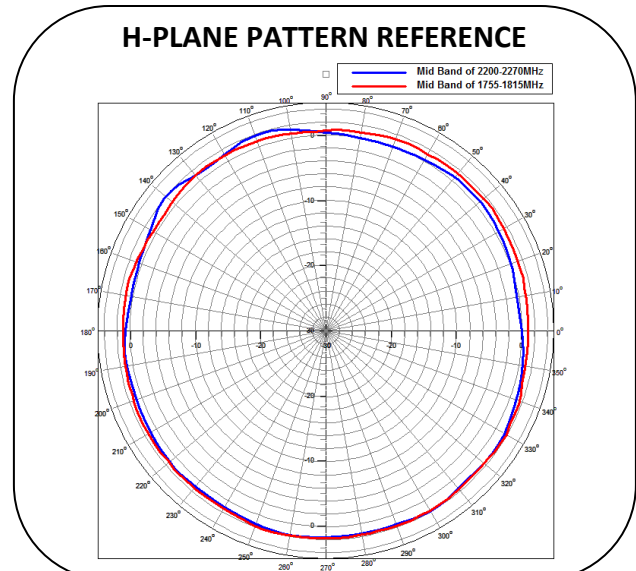
Compliance: Built to meet: MIL-STD-810F

Color: Black/Green/Tan/Grey

Deflection at Base: +/- 90°

***Water Ingress:** ~ 2 meters @ 30 min. duration.

Mounting: Type SMA Female



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MANET Series Antenna



The MPDP1755-1815/2200-2270-4 antenna is designed to be used in military manpack, commercial, and other body, vest or handheld mounted applications where reliability is needed most. This antenna works with all radios within the 1755-1815 & 2200-2270 MHz bands.

Being dual band and compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments. In addition the base includes a ruggedized flex section for quick positioning and return. It is also built to meet MIL-STD-810F.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low Profile**
- **Low VSWR**
- **Build to meet MIL-STD-810F**
- **Digital Ready**
- **Submersible**

Mounting Bracket sold separately.



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MANET Series Antenna

Specifications

ELECTRICAL:

Frequency Range: 1755-1815 & 2200-2270 MHz

Gain: 4.0 dBi +/- .5

VSWR: < 2.0:1 Typical

Input Impedance: 50 Ω Nominal

Power: 25 Watts PEP

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 45°

Input Connector: Type SMA Male

MECHANICAL:

Overall Height: 11.1 in. (282 mm)

Radome: 1.12 in X .5 in Oval
(29 mm x 12.7 mm)

Net Weight: 2.4 oz. (68 g)

Compliance: Built to meet: MIL-STD-810F

Color: Black/Green/Tan/Grey

Deflection at Base: +/- 90°

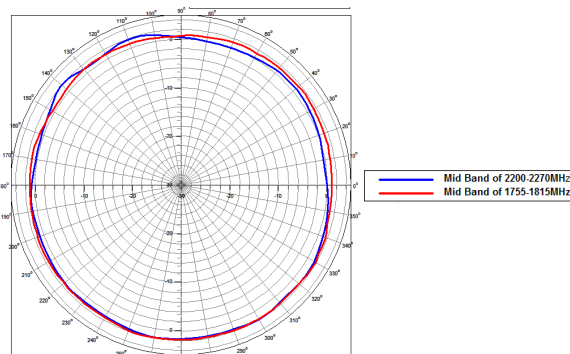
***Water Ingress:** ~ 2 meters @ 30 min. duration.

Mounting: Type SMA Male

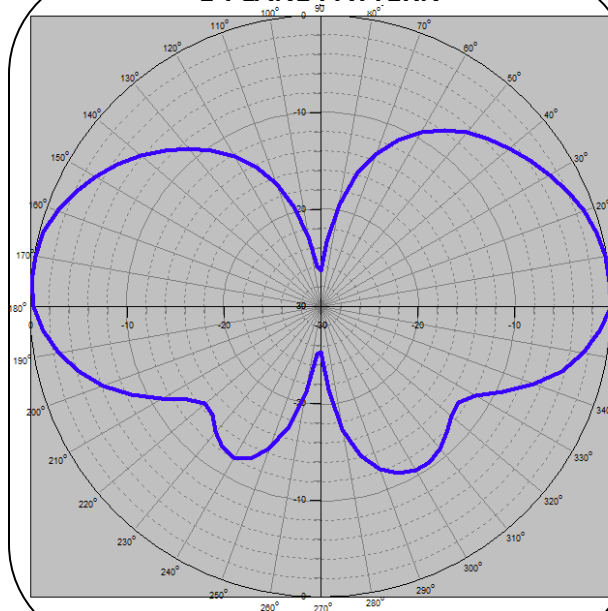
****All information on this product and the product itself is the property of and is proprietary to Hascall-Denke.**

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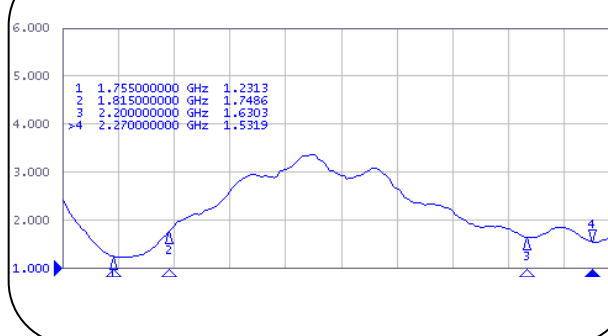
H-PLANE PATTERN REFERENCE



E-PLANE PATTERN



VSWR



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MANET Series Antenna



The MVDP1755-1815/2200-2270-4AB antenna is designed to be used in military manpack, commercial, and other body, vest or handheld mounted applications where reliability is needed most. This antenna works with all radios within the 1755-1815 & 2200-2270 MHz bands.

Being dual band and compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments. In addition the base includes a ruggedized flex section for quick positioning and return. It is also built to meet MIL-STD-810F.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low Profile**
- **Low VSWR**
- **Build to meet MIL-STD-810F**
- **Digital Ready**
- **Submersible**

Mounting Bracket sold separately.



MANET Series Antenna

Specifications

ELECTRICAL:

Frequency Range: 1755-1815 & 2200-2270 MHz

Gain: 4.0 dBi +/- .5

VSWR: < 2.0:1 Typical

Input Impedance: 50 Ω Nominal

Power: 25 Watts PEP

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 45°

Input Connector: TNC Male

MECHANICAL:

Overall Height: 11.85 in. (301 mm)

Radome: 1.12 in X .5 in Oval
(29 mm x 12.7 mm)

Net Weight: 2.7 oz. (77 g)

Compliance: Built to meet: MIL-STD-810F

Color: Black/Green/Tan/Grey

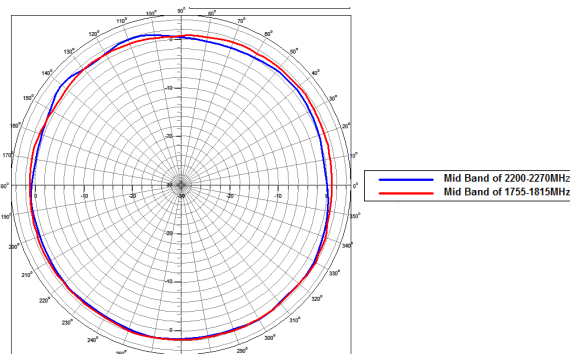
Deflection at Base: +/- 90°

Water Ingress: ~ 2 meters @ 30 min. duration.

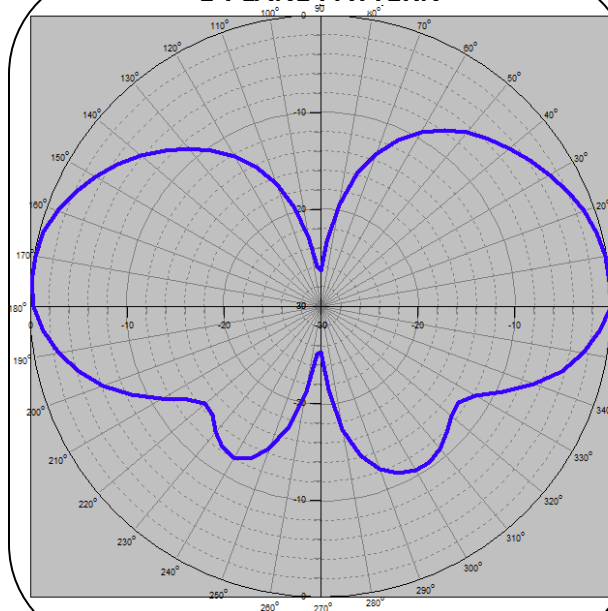
****All information on this product and the product itself is the property of and is proprietary to Hascall-Denke.**

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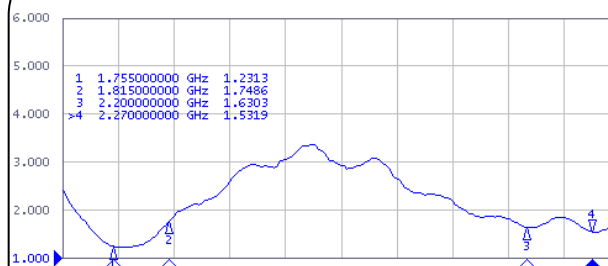
H-PLANE PATTERN REFERENCE



E-PLANE PATTERN



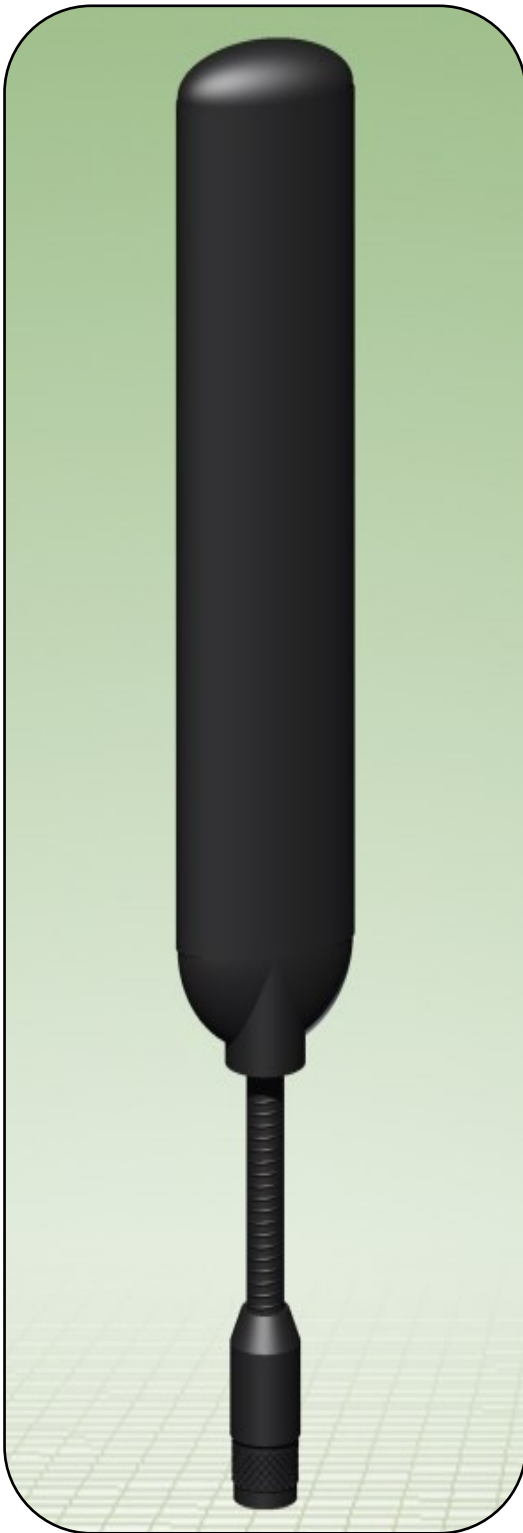
VSWR



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Broadband Manpack Antenna



The Model MPDP2.0-6.0-4 troop antenna is designed to be mounted on equipment where reliability is needed most. This antenna works with all radios within the 2000-6000 MHz band.

This antenna is ideal for clandestine operations, jamming, and other high performance platforms. The slim line profile allows for visual cross section reduction. In addition the base encompasses a ruggedized flex section ideal for quick fold out positioning and return.

The radiator element unique to Hascall-Denke is of top leading technology. Designed for durability and performance. The complete antenna is sealed in a heavy duty UV stable radome for maximum mechanical stability and reliability in harsh environments.



Broadband Manpack Antenna

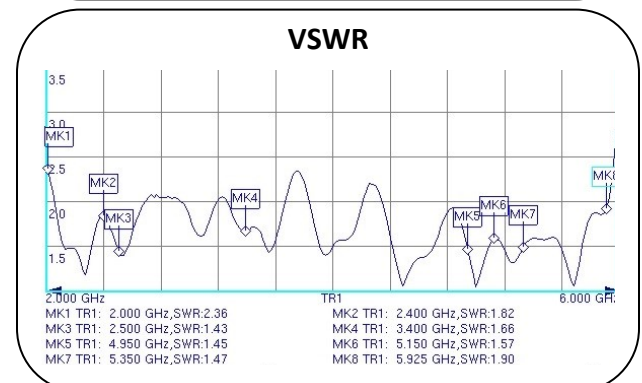
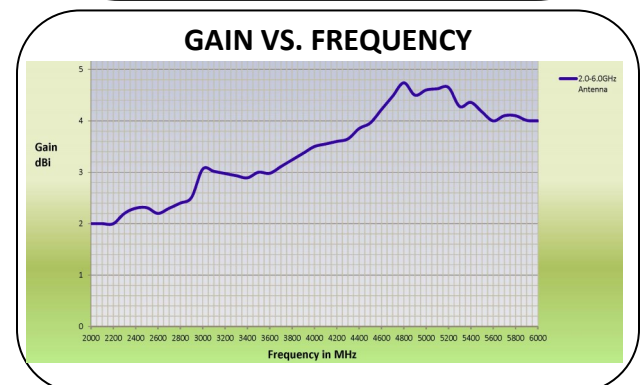
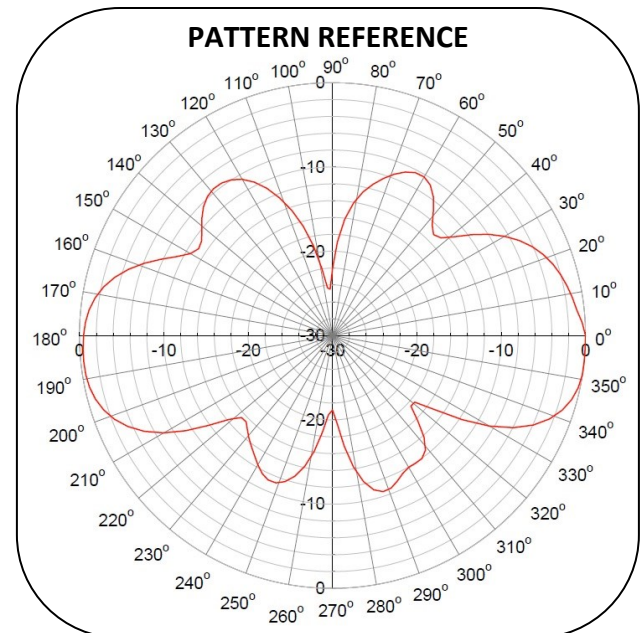
Specifications

ELECTRICAL:

Frequency Range:	2000-6000 MHz
Gain:	4 dBi +/- .5
VSWR:	3:1 Max 2-2.5:1 Typical Operational Bands
Input Impedance:	50 Ω Nominal
Power:	25 Watts PEP
Polarization:	Vertical
Beamwidth:	Horizontal: 360° Vertical: 45°
Input Connector:	Type N Male

MECHANICAL:

Overall Height:	16 in. (.41 m)
Antenna Length:	12 in. (0.31 m)
Radome:	1.5 in. Oval (38.1 mm)
Net Weight:	0.5 lb. (0.23 kg)
Color:	Black/Green/Tan/Grey
Deflection:	Gooseneck Flexible Tubing
Mounting:	Type N Male



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Manpack Antenna



The MPDP2.2-5.85 antenna is designed to be used in military manpack, commercial, and other body or vest mounted applications where reliability is needed most. This antenna works with all radios within the 2200-2500, 4400-4950 & 5250-5850 MHz bands.

Being compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments. In addition this antenna is built to meet MIL-STD-810F.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low Profile**
- **Designed for Vest Compartments**
- **Low VSWR**
- **Built to meet MIL-STD-810F**
- **Digital Ready**
- **Submersible***



Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 2200-2500, 4400-4950,
5250-5850 MHz

Gain: 0.0 dBi +/- .5 @ 2200 MHz
3.0 dBi +/- .5 @ 4600 MHz
3.0 dBi +/- .5 @ 5700 MHz

VSWR: < 2.0:1 Typical
2.5:1 Maximum

Input Impedance: 50 Ω Nominal

Power: 10 Watts PEP

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 55°

Input Connector: SMA Female

MECHANICAL:

Overall Height: 7 in. (177 mm)

Radome: 1.2 in. Oval (30 mm)

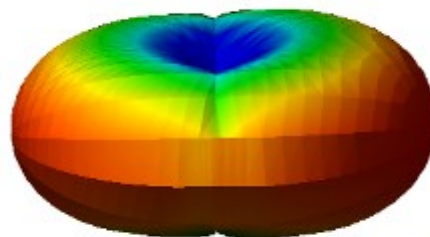
Net Weight: 1.4 oz. (40 g)

Compliance: Built to meet: MIL-STD-810F

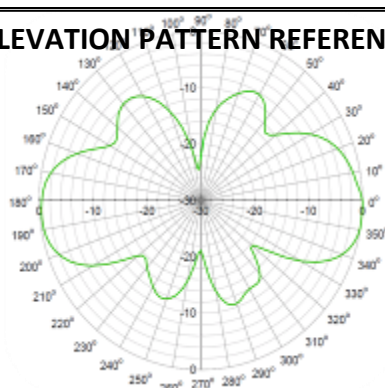
Color: Black/Green/Tan/Grey

***Water Ingress:** ~ 2 meters @ 30 min. duration.

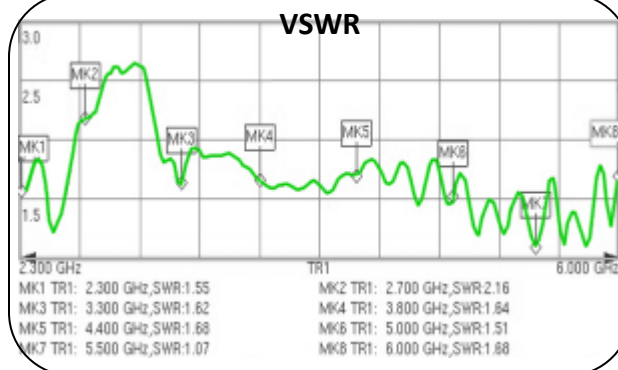
3D REFERENCE



ELEVATION PATTERN REFERENCE



VSWR



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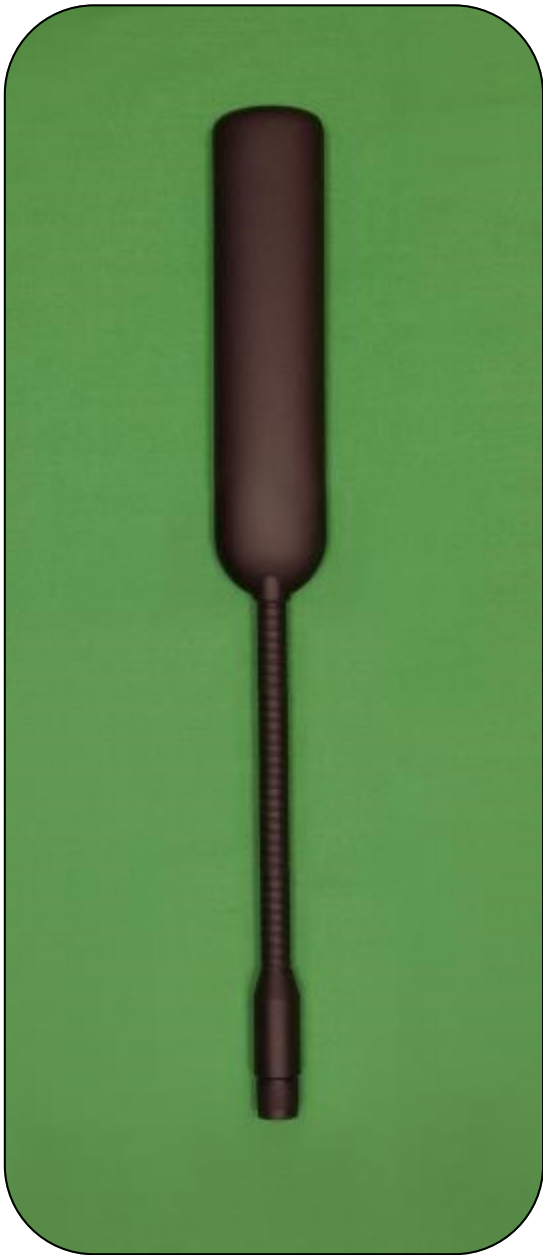
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Manpack Antenna



The MPDP2.3-2.5/5.0-6.0 antenna is designed to be used in military manpack, commercial, and other body or vest mounted applications where reliability is needed most. This antenna works with all radios within the 2300-2500 & 5000-6000 MHz band.

Being compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments. In addition this antenna is built to meet MIL-STD-810F.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Multi Frequency Ready**
- **Low Profile**
- **Designed for Vest Compartments**
- **Low VSWR**
- **Built to meet MIL-STD-810F**
- **Digital Ready**



Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 2300-2500 & 5000-6000 MHz

Gain: 2.0 dBi @ 2400-2500 MHz
4.0 dBi @ 5000-6000 MHz

VSWR: < 2.0:1 Typical

Input Impedance: 50 Ω Nominal

Power: 25 Watts PEP

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 42°

Input Connector: Type RP SMA

MECHANICAL:

Overall Height: 10 in. (153 mm)

Radome: 1.2 in. Oval (30 mm)

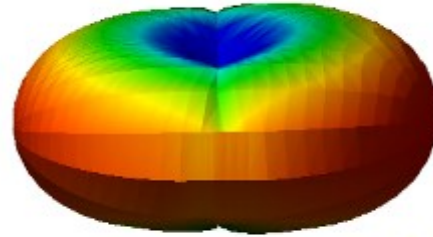
Net Weight: 2.25 oz. (64 g)

Compliance: Built to meet: MIL-STD-810F

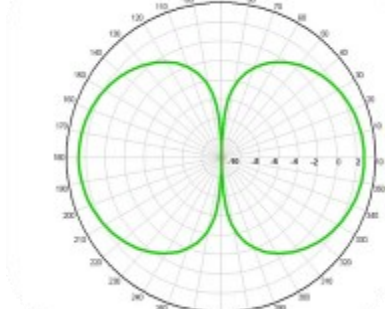
Color: Black/Green/Tan/Grey

Mounting: Type RP SMA

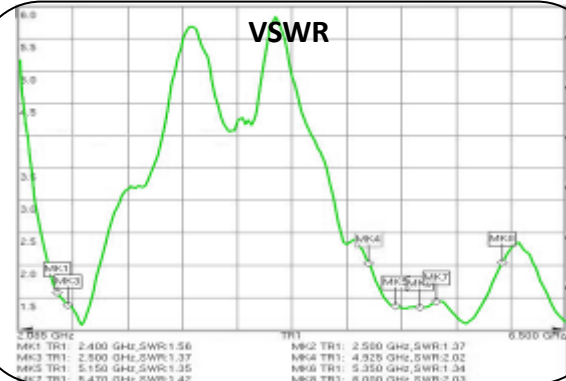
3D REFERENCE



ELEVATION PATTERN REFERENCE



VSWR



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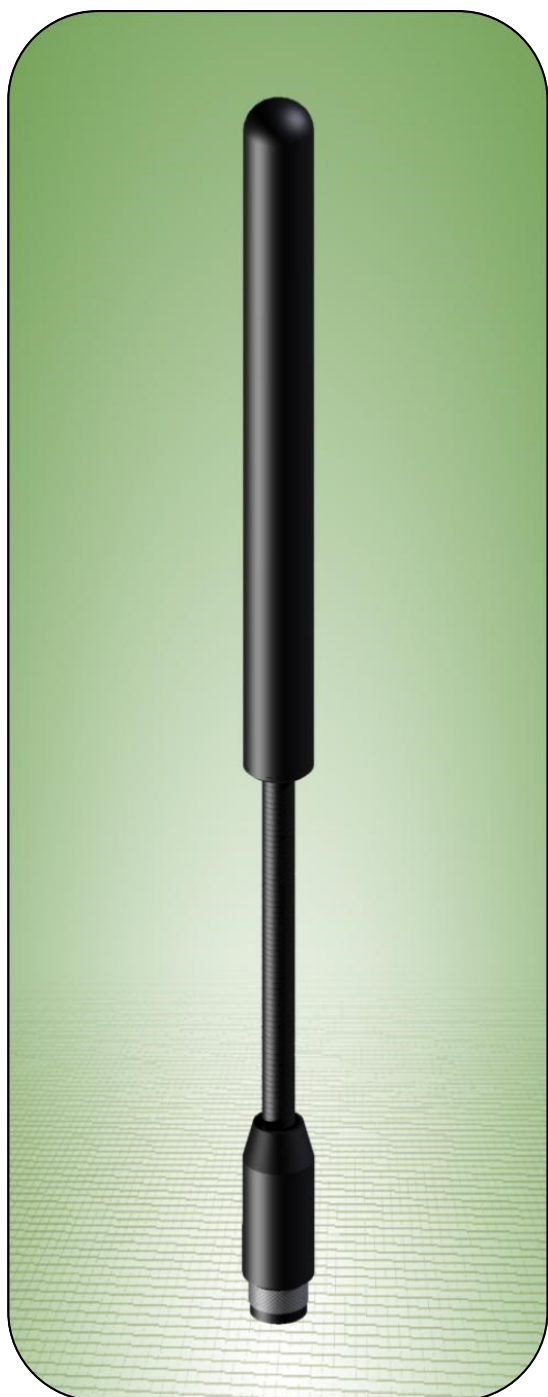
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Omnidirectional Manpack Antenna



The MPDP2.3-2.5-5 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 2300-2500 MHz band.

The antenna is designed to provide maximum Data, Video & Voice performance in a wide range of applications.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick fiberglass radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low VSWR**
- **High Gain**
- **Flexible Gooseneck Section**
- **Beam Stability**
- **Ideal Pattern Performance**
- **Digital Ready**



Omnidirectional Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 2300-2500 MHz

Gain: 5.0 dBi +/- .5

VSWR: 1.5:1 Typical
2.0:1 Maximum

Input Impedance: 50 Ω Nominal

Power: 30 Watts PEP

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 35°

DC Short: Yes

Input Connector: Type N Male

MECHANICAL:

Overall Height: 15 in. (0.38 m)

Antenna Height: 7 in. (0.18 m)

Radome Diameter: 1 in. OD (25.4 mm)

Net Weight: 1 lb. (0.45 kg)

Operational Temps: -4° to +158°F
(-20° to +70°C)

Color: Black/Green/Tan/Grey

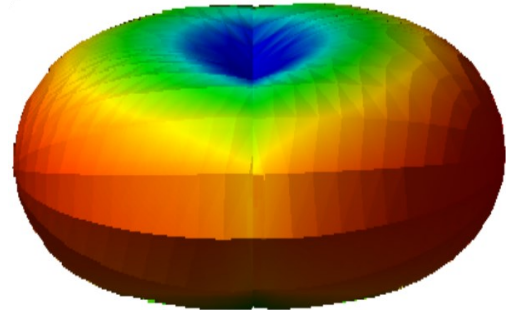
Deflection: Flexible Gooseneck Tubing

Mounting: Type N Male

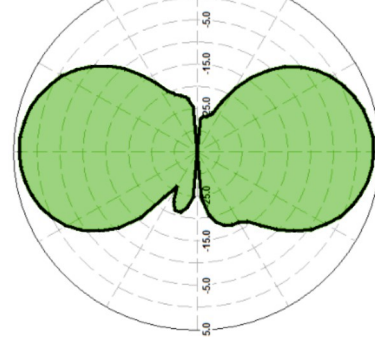
****All information on this product and the product itself is the property of and is proprietary to Hascall-Denke.**

****Specifications are subject to change without prior notice.**

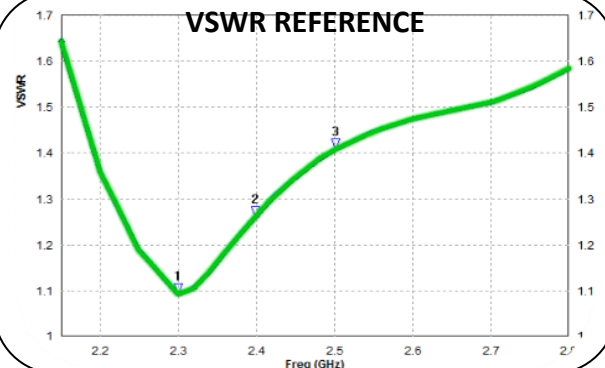
3D REFERENCE



ELEVATION PATTERN REFERENCE



VSWR REFERENCE



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Omnidirectional Manpack Antenna



The MPDP2.3-2.5-7 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 2300-2500 MHz band.

The antenna is designed to provide maximum Data, Video & Voice performance in a wide range of applications.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick fiberglass radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low VSWR**
- **High Gain**
- **Flexible Gooseneck Section**
- **Ideal Pattern Coverage**
- **Peak Digital Performance**
- **Superior Beam Stability and Reduced Sidelobe Level Control**
- **Digital Ready**



Omnidirectional Manpack Antenna

Specifications

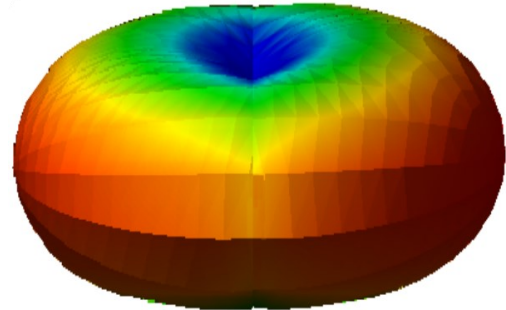
ELECTRICAL:

Frequency Range:	2300-2500 MHz
Gain:	7.0 dBi +/- .5
VSWR:	2.0:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	30 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 22°
Input Connector:	Type N Male

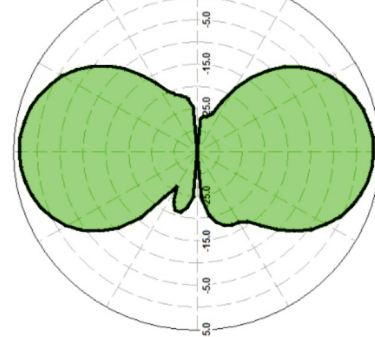
MECHANICAL:

Overall Height:	31 in. (0.78 m)
Antenna Height:	13 in. (0.33 m)
Radome Diameter:	1 in. OD (25.4 mm)
Net Weight:	1 lb. (0.45 kg)
Operational Temps:	-4° to +158°F (-20° to +70°C)
Color:	Black/Green/Tan/Grey
Deflection:	Flexible Gooseneck Tubing
Mounting:	Type N Male

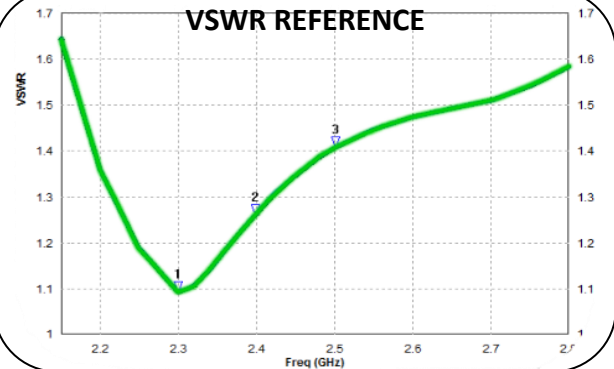
3D REFERENCE



ELEVATION PATTERN REFERENCE



VSWR REFERENCE



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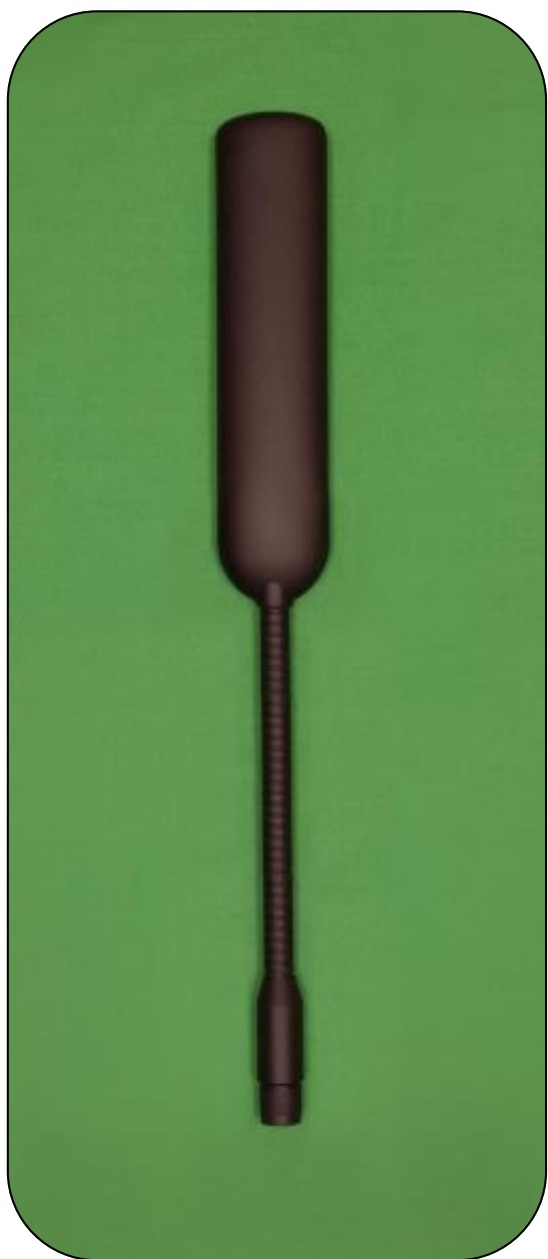
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Omnidirectional Manpack Antenna



The MPDP2.3-2.7-4 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 2300-2700 MHz band.

The antenna is designed to provide maximum Data, Video & Voice performance in a wide range of applications.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick fiberglass radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low VSWR**
- **High Gain**
- **Flexible Gooseneck Section**
- **Ideal Radiation Pattern**
- **Beam Stability**
- **Digital Ready**



Omnidirectional Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 2300-2700 MHz

Gain: 4.0 dBi +/- .5

VSWR: 2.0:1 Maximum

Input Impedance: 50 Ω Nominal

Power: 20 Watts PEP

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 42°

DC Short: Yes

Input Connector: Type TNC Male

MECHANICAL:

Overall Height: 13.25 in. (0.34 m)

Antenna Height: 7 in. (0.18 m)

Radome Size: 1.5x.625 in.

Net Weight: .37 lb. (0.17 kg)

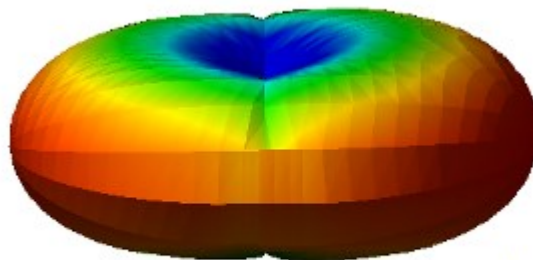
Operational Temps: -40° to +158°F (-40° to +70°C)

Color: Black/Green/Tan/Grey

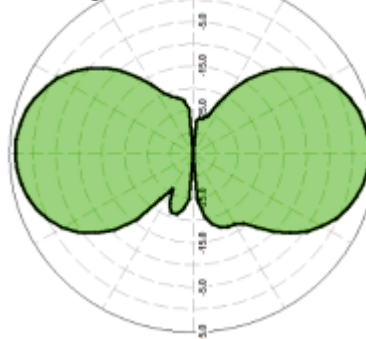
Deflection: Flexible Gooseneck Tubing

Mounting: Type TNC Male

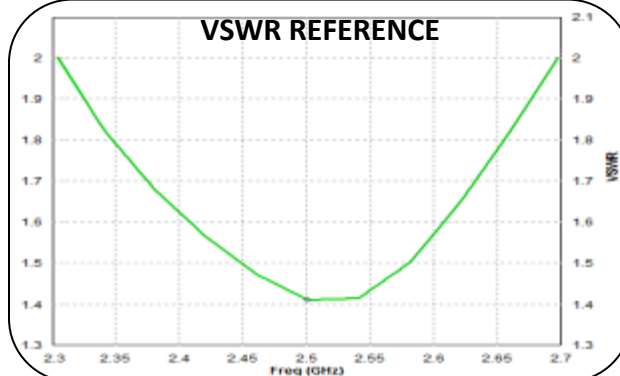
3D REFERENCE



ELEVATION PATTERN REFERENCE



VSWR REFERENCE



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Omnidirectional Manpack Antenna



The MPDP2.3-2.7-6 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 2300-2700 MHz band.

The antenna is designed to provide maximum Data, Video & Voice performance in a wide range of applications.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick fiberglass radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low VSWR**
- **High Gain**
- **Flexible Gooseneck Section**
- **Ideal Radiation Pattern**
- **Beam Stability**
- **Digital Ready**



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Omnidirectional Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 2300-2700 MHz

Gain: 6.0 dBi +/- .5

VSWR: 2.0:1 Maximum

Input Impedance: 50 Ω Nominal

Power: 20 Watts PEP

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 28°

DC Short: Yes

Input Connector: Type TNC Male

MECHANICAL:

Overall Height: 21in. (0.53 m)

Antenna Height: 10 in. (0.25 m)

Radome Diameter:

Net Weight: .52 lb. (0.24 kg)

Color: Black/Green/Tan/Grey

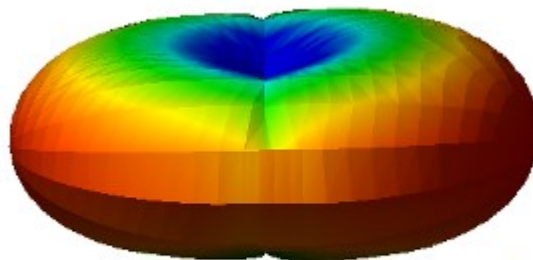
Deflection: Flexible Gooseneck Tubing

Mounting: Type TNC Male

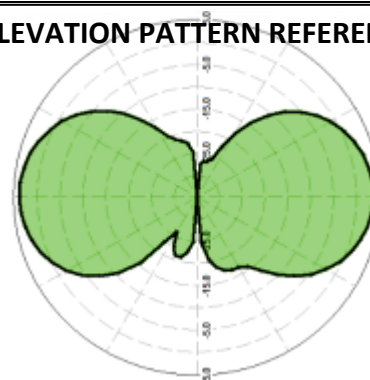
Operational Temp: -4° to 149° F (-20° to 65° C)

Compliance: Built to meet: MIL-STD-

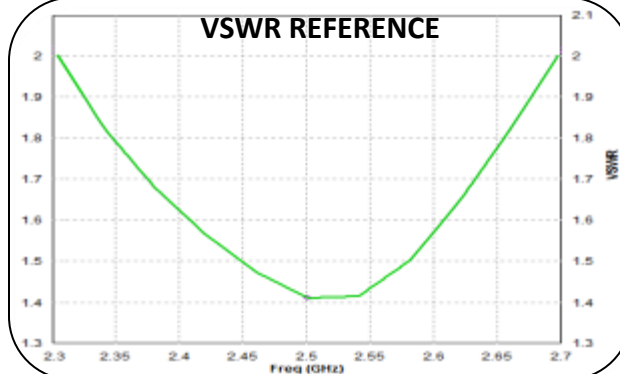
3D REFERENCE



ELEVATION PATTERN REFERENCE



VSWR REFERENCE



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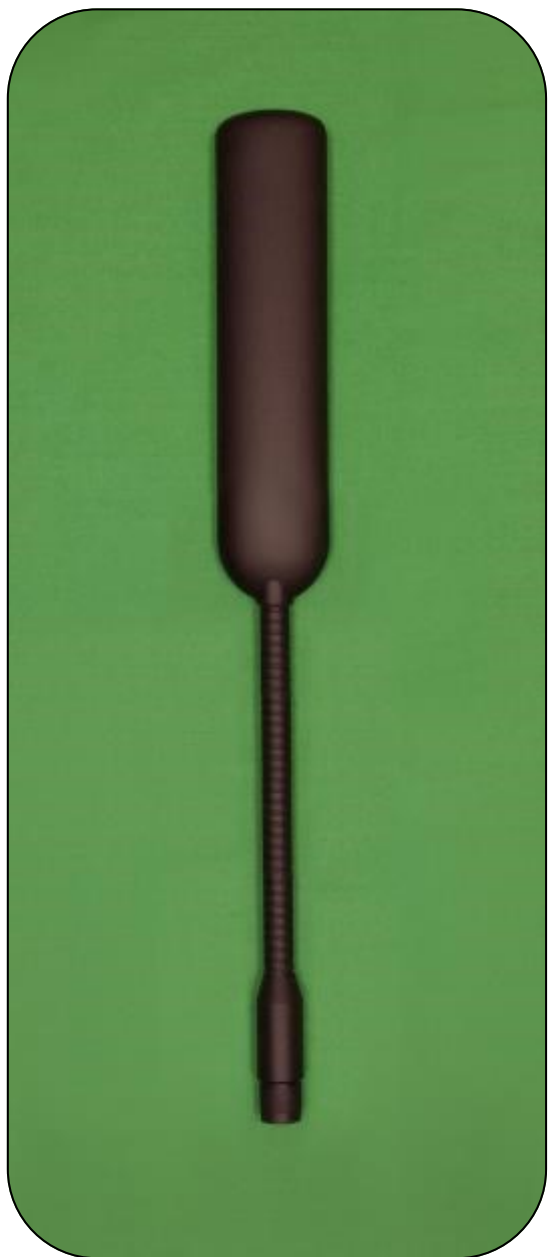
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Manpack Antenna



The MPDP2.3-6.0 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 2300-6000 MHz band.

The antenna is designed to provide maximum Data, Video & Voice performance in a wide range of applications.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick fiberglass radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Broadband**
- **Flexible Gooseneck Section**
- **TNC “Move Around” Connector**
- **Beam Stability**
- **Built to Meet MIL-STD-810F**
- **Digital Ready**



Manpack Antenna

Specifications

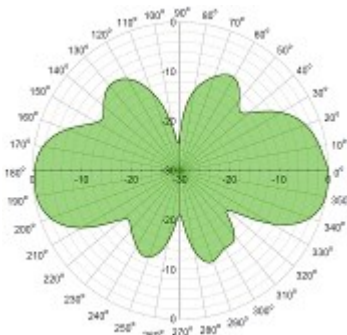
ELECTRICAL:

Frequency Range:	2300-6000 MHz
Gain:	2.0 ~ 4.0 dBi +/- .5
VSWR:	2.5:1 Typical 3.0:1 Max
Input Impedance:	50 Ω Nominal
Power:	20 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 45° ~ 70°
Input Connector:	Type TNC Male

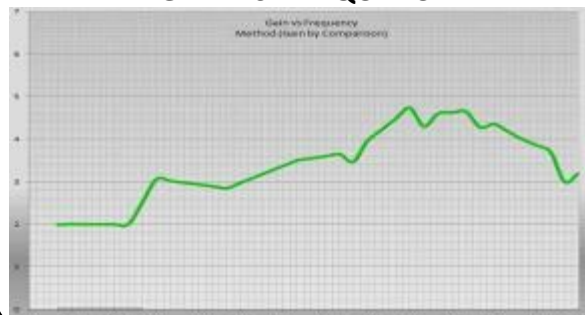
MECHANICAL:

Overall Height:	16 in. (0.41 m)
Radome Diameter:	1.5 in. x .625 in. (38mm x 16mm)
Net Weight:	6.9 oz. (0.2 kg)
Operational Temps:	-40° to +185°F (-40° to +85°C)
Color:	Black/Green/Tan/Grey
Compliance:	Built to meet MIL-STD-810F

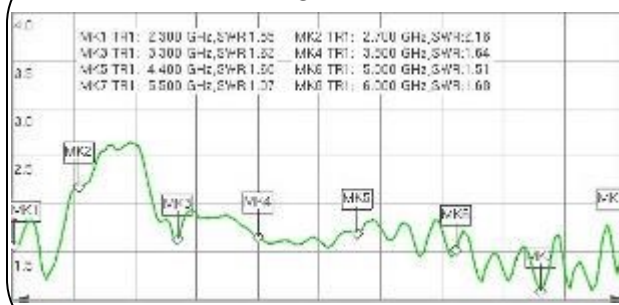
E-PLANE PATTERN REFERENCE



GAIN VS. FREQUENCY



VSWR



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Manpack Antenna



The MPDP2.4-2.5/5.0-6.0 antenna is designed to be used in military manpack, commercial, and other body or vest mounted applications where reliability is needed most. This antenna works with all radios within the 2400-2500 & 5000-6000 MHz band.

Being compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments. In addition this antenna is built to meet MIL-STD-810F.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Multi Frequency Ready**
- **Low Profile**
- **Designed for Vest Compartments**
- **Low VSWR**
- **Built to meet MIL-STD-810F**
- **Digital Ready**



Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 2400-2500 & 5000-6000 MHz

Gain: 2.0 dBi @ 2400-2500 MHz
4.0 dBi @ 5000-6000 MHz

VSWR: < 2.0:1 Typical

Input Impedance: 50 Ω Nominal

Power: 25 Watts PEP

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 42°

Input Connector: Type SMA Female

MECHANICAL:

Overall Height: 6 in. (153 mm)

Radome: 1.2 in. Oval (30 mm)

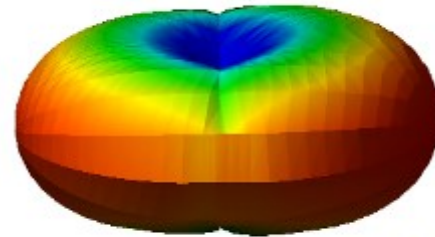
Net Weight: 2.25 oz. (64 g)

Compliance: Built to meet: MIL-STD-810F

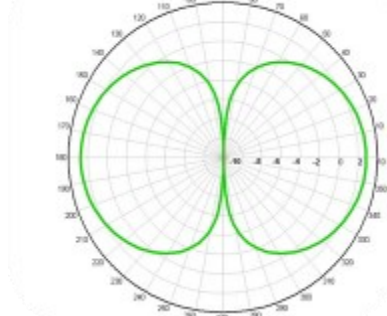
Color: Black/Green/Tan/Grey

Mounting: Type SMA Female

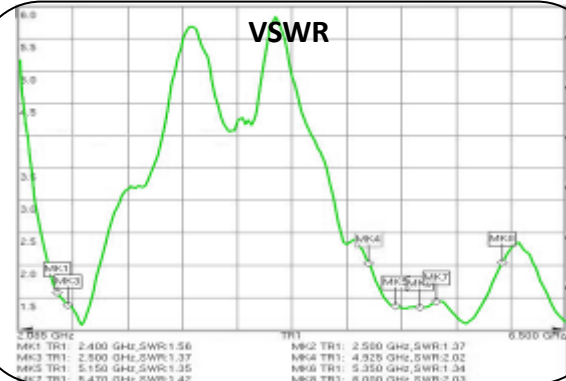
3D REFERENCE



ELEVATION PATTERN REFERENCE



VSWR



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Manpack Antenna



The MPDP2.4-2.5 antenna is designed to be used in military manpack, commercial, and other body, vest or handheld mounted applications where reliability is needed most. This antenna works with all radios within the 2400-2500 MHz bands.

Being compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments. In addition the base includes a ruggedized flex section for quick positioning and return. It is also built to meet MIL-STD-810F.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low Profile**
- **Low VSWR**
- **Build to meet MIL-STD-810F**
- **Stable Gain**
- **Digital Ready**



Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range:	2400-2500 MHz
Gain:	2.0 dBi +/- .5 4dBi optional / slightly longer
VSWR:	< 2.0:1 Typical
Input Impedance:	50 Ω Nominal
Power:	20 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 65°

Input Connector: Type TNC Male

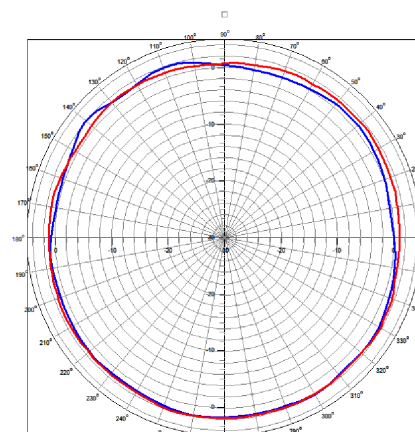
MECHANICAL:

Overall Height:	10.1 in. (256 mm)
Antenna Length:	5.9 in. (150 mm)
Radome:	1.2 in. Oval (30 mm)
Net Weight:	3.2 oz. (91 g)
Compliance:	Built to meet: MIL-STD-810F
Color:	Black/Green/Tan/Grey
Deflection at Base:	+/- 90°
Mounting:	Type TNC Male (SMA or Type N Optional)

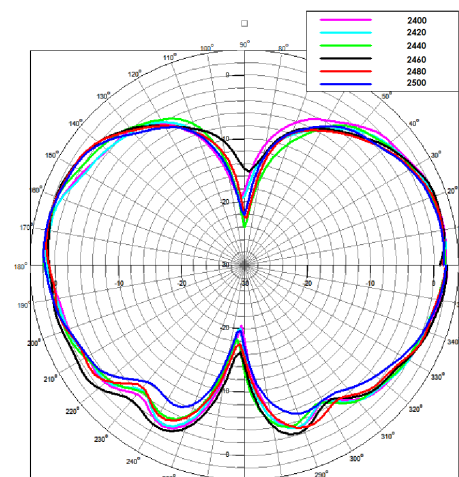
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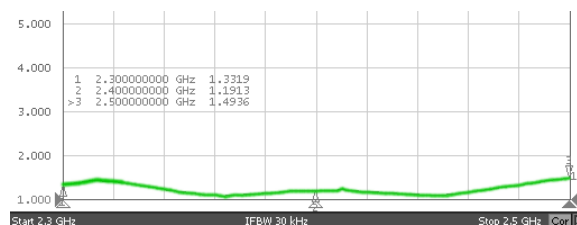
H-PLANE PATTERN REFERENCE



E-PLANE PATTERN REFERENCE



VSWR



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Manpack Antenna



The MPDP2400-2500-NF antenna is designed to be used in military manpack, commercial, and other body, vest or handheld mounted applications where reliability is needed most. This antenna works with all radios within the 2400-2500 MHz bands.

Being compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments. In addition the base includes a ruggedized flex section for quick positioning and return. It is also built to meet MIL-STD-810F.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low Profile**
- **Low VSWR**
- **Build to meet MIL-STD-810F**
- **Stable Gain**
- **Digital Ready**



Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range:	2400-2500 MHz
Gain:	2.0 dBi +/- .5 4dBi optional / slightly longer
VSWR:	< 2.0:1 Typical
Input Impedance:	50 Ω Nominal
Power:	20 Watts
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 65°
Input Connector:	Type N Female

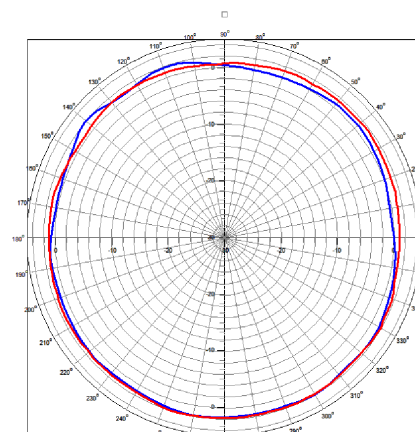
MECHANICAL:

Overall Height:	12.5 in. (318 mm)
Antenna Length:	8 in. (203 mm)
Radome:	1.5 in. Oval (38 mm)
Net Weight:	5.8oz. (163 g)
Compliance:	Built to meet: MIL-STD-810F
Color:	Black/Green/Tan/Grey
Deflection at Base:	+/- 90°

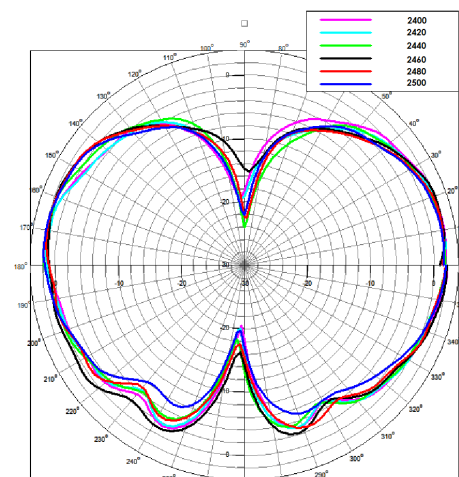
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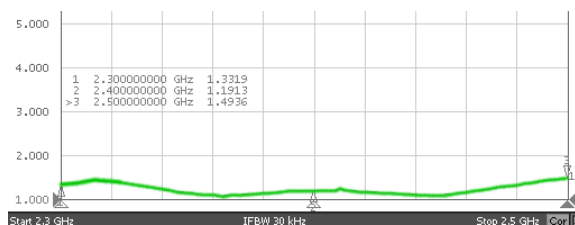
H-PLANE PATTERN REFERENCE



E-PLANE PATTERN REFERENCE



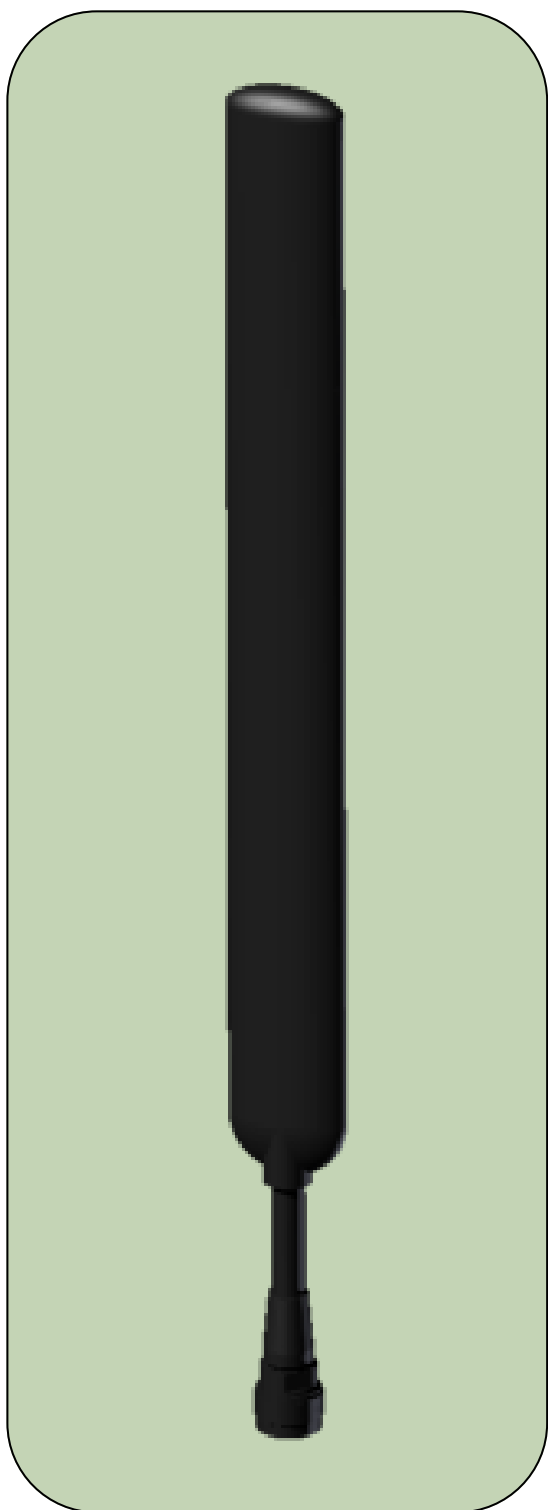
VSWR



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Tel: 941-723-2833 • Fax: 941-723-1628
www.hascall-denke.com

Broadband Manpack Antenna



The MPDP4.4-5.1-6 dipole 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 4400-5100 MHz band.

Being compact for its frequency of operation, this antenna is ideal for broadband operations requiring hemispherical coverage. The sleek profile, lightweight design, and flexible gooseneck section provide a dependable solution for handheld equipment or manpack operations.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Broadband**
- **Low VSWR**
- **Hemispherical Coverage**
- **Ground-to-Air or Ground-to-Ground Ready**
- **Protective Gooseneck Armor over Coax**
- **Built to meet MIL-STD-810F**



Broadband Manpack Antenna

Specifications

ELECTRICAL:

Frequency Range: 4400-5100 MHz

Gain: 6.0 dBi +/- .5

VSWR: < 2.0:1 Typical
2.5:1 Max

Input Impedance: 50 Ω Nominal

Power: 35 Watts PEP

Polarization: Vertical

Radiation Pattern: Azimuth: 360°
Elevation: 30°

Input Connector: Type N Male

MECHANICAL:

Overall Height: <18" (<0.46 m)

Radome: 1.5 in. Oval (38 mm)

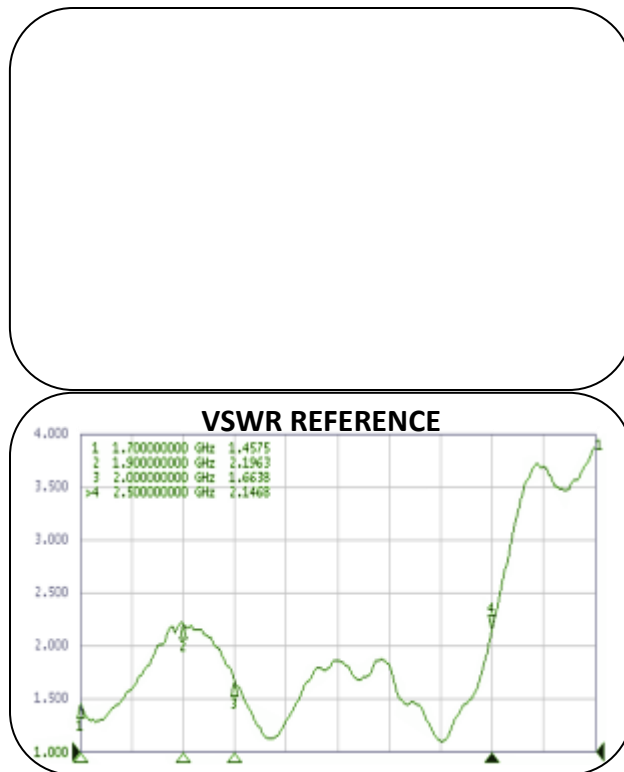
Net Weight: <0.5 lb. (<0.23 kg)

Color: Black/Green/Tan/Grey

Deflection: +/- 45°

Compliance: Built to meet: MIL-STD-810F

Mounting: Type N Male



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Manpack Antenna



The MPDP4.4-6.0 antenna is designed to be used in military manpack, commercial, and other body or vest mounted applications where reliability is needed most. This antenna works with all radios within the 4400-6000 MHz band.

Being compact for its frequency of operation, this antenna is ideal for clandestine operations. The sleek profile allows for ideal placement in packs, vests, jackets, or other compartments. In addition this antenna is built to meet MIL-STD-810F.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

- **Low Profile**
- **Designed for Vest Compartments**
- **Low VSWR**
- **Built to meet MIL-STD-810F**
- **Digital Ready**



Manpack Antenna

Specifications

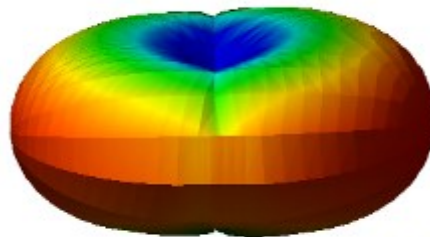
ELECTRICAL:

Frequency Range:	4400-6000 MHz
Gain:	3.0 ~ 5.0 dBi
VSWR:	< 2.0:1 Typical
Input Impedance:	50 Ω Nominal
Power:	25 Watts PEP
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 36°
Input Connector:	Type SMA Female

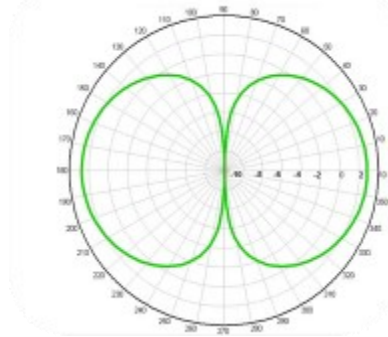
MECHANICAL:

Overall Height:	6 in. (152 mm)
Radome:	1.5 in. Oval (38 mm)
Net Weight:	2.25 oz. (64 g)
Compliance:	Built to meet: MIL-STD-810F
Color:	Black/Green/Tan/Grey
Mounting:	Type SMA Female

3D REFERENCE



ELEVATION PATTERN REFERENCE



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