



Product Features

MODEL: BDH2024

Description

Wade Antenna's new bi-directional Helical Antenna is designed for the Wi-Fi 2.4 - 2.5 GHz frequency band. It is based on our H2024 high gain Helical Antenna. Additional mounting options are also available.

Application

Idea for underground corridors, mining, security and other wireless applications.

ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE - GHz	2.4 - 2.5	
GAIN - dBic	15 (Assumed)	
IMPEDANCE - Ohm	50	
CROSS POL. REJECTION - dB	20	
POLARIZATION	Right or Left Circular	
VSWR:	Min.	1.1
	Max.	2.2
	Typical	1.5
HPBW:	Horz.	23
	Vert.	23
STD. CONNECTOR	N-Female	
MAX. INPUT POWER - W	50	
OPERATING TEMPERATURE - °C (°F)	-40 to +70 (-40 to +158)	

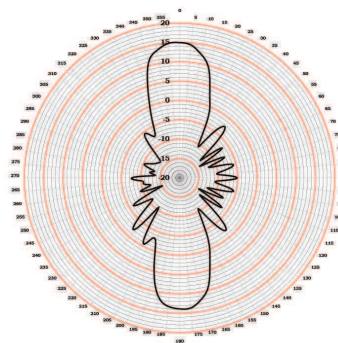
MECHANICAL SPECIFICATIONS

NUMBER OF ELEMENTS (TURNS)	20
OVERALL LENGTH - in (mm)	60.4 (1535)
GROUND PLANE DIAMETER - in (mm)	5.5 (140)
HELICAL DIAMETER - in (mm)	2 (50.8)
ANTENNA WITH MOUNT WEIGHT - lbs (kg)	2.5 (1.13)

MOUNTING OPTIONS

MAST OD - in (mm)	2 (50.8)
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ANTENNA PATTERN



WIND LOADING

WIND AREA:	Ft ² (No Ice)	0.6
	(1/2" Radial Ice)	0.9
WIND LOAD:	Ft-lbs* (No Ice)	27
	** (1/2" Radial Ice)	12

* Wind Speed = 100 MPH at sea level with 100% Humidity at 70°F
 ** Wind Speed = 50 MPH at sea level with 100% Humidity at 0°F
 *** Maximum Wind Speed at sea level with 100% Humidity at 70°F (Safety factor of 1.65 included)

Wade Antenna's ongoing policy of continuing development may result in specification changes to its products.