B00007-01

Heavy duty antennas

J-POLE ANH SERIES

The range and performance of a RF link is critically dependent upon the antenna and it is one of the more complex aspects of on RF design.

An antenna can make or break a wireless network. The proper antenna can optimize the range, reliability and performance of a radio network.



FEATURES

- **J-POLE TECHNOLOGY**
  This highly stable, higher gain antenna goes the distance and is in a smaller package compared to other high gain antennas.
  With a higher gain ground plane it is less sensitive to its installed environment ensuring stable communication at longer distances
- **ANH HEAVY DUTY SERIES**
  Rugged construction allows the use of our antennas in hostile envinronments where weather and abuse are a factor
- **FREQUENCY**
  Available for 868 MHz, 900 MHz and 2.4 GHz
- **N MALE CONNECTOR**
  Available for vertical or 90° mounting

NOMENCLATURE

ANH 5 3 - C N S U
a b c

a Frequency
- 4 868 MHz
- 5 900 MHz
- 7 2.4 GHz

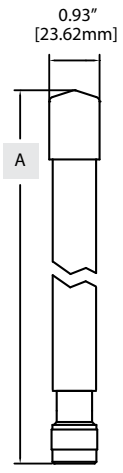
b Antenna connection
- 3 N Female
- C N Male

c Antenna mounting
- S Straight (vertical)
- R Elbow (90°)

DIMENSIONAL DRAWINGS

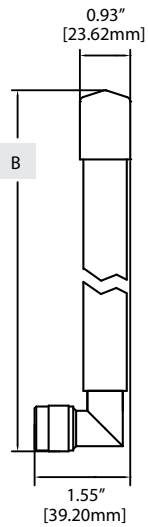
Models

ANH43-CNSU
ANH53-CNSU
ANH73-CNSU



Models

ANH43-CNRU
ANH53-CNRU
ANH73-CNRU



Model	A *inch [mm]*
ANH43-CNSU	13.55 [344.20]
ANH53-CNSU	13.55 [344.20]
ANH73-CNSU	7.49 [190.20]

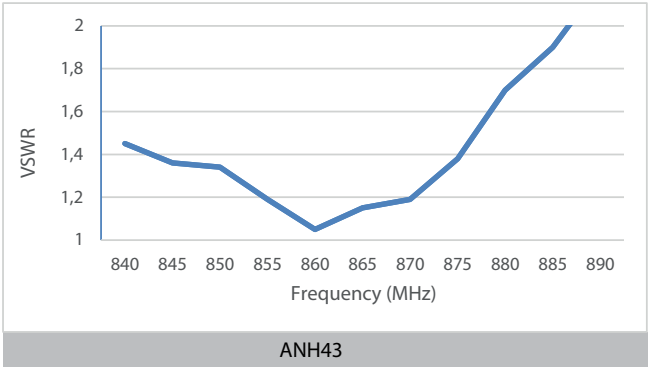
Model	B *inch [mm]*
ANH43-CNRU	13.95 [354.30]
ANH53-CNRU	13.95 [354.30]
ANH73-CNRU	7.89 [200.30]

Data contained in this specification are subject to change without notice

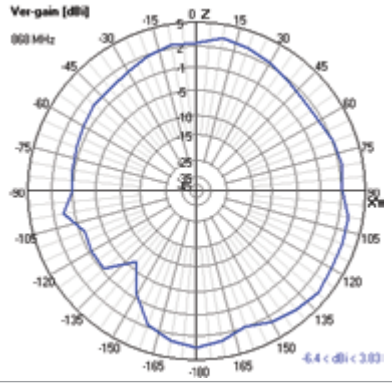
SPECIFICATIONS

Radiation	Omni
Polarization	Vertical
Wave	J-pole configuration
Connector	N Male Brass nickel plated
Material	UV resistant ABS
Ambient temp. range	-40°C (-40°F) +80°C (+176°F)

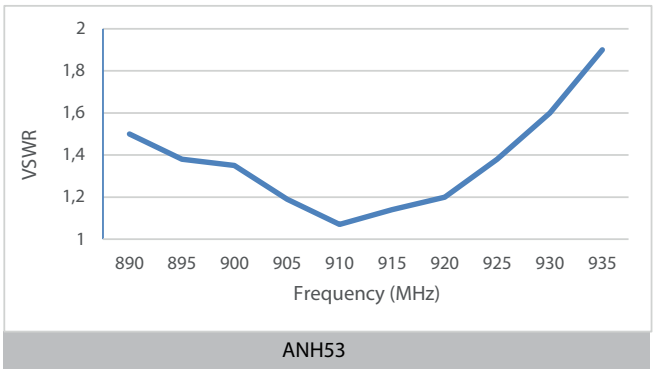
	ANH 43	ANH 53	ANH 73
Frequency Range	855 - 883 MHz	890 - 935 MHz	2.35 - 2.55 GHz
Impedance (nominal)	50Ω @ 868 MHz	50Ω @ 915 MHz	50Ω @ 2.45 GHz
VSWR (average)	1.4 : 1	1.4 : 1	1.4 : 1
Gain max	3.00 dBi	3.00 dBi	4.35 dBi



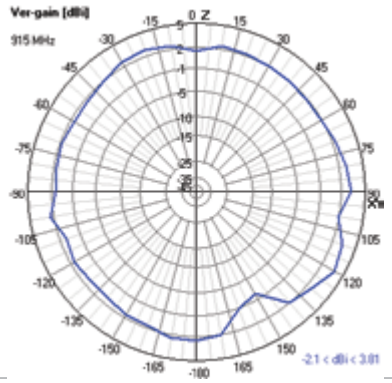
ANH43



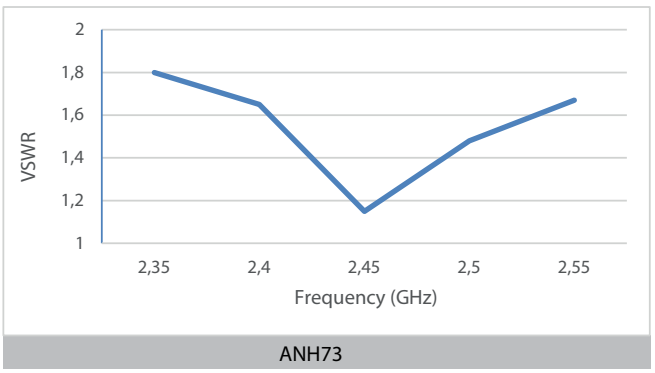
Radiation pattern



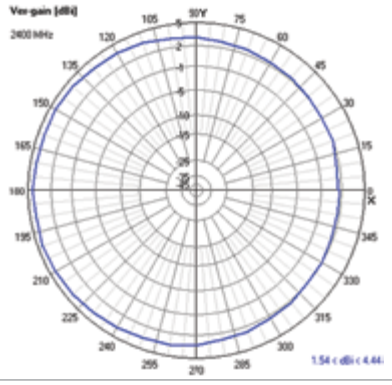
ANH53



Radiation pattern



ANH73



Radiation pattern

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