B00006-04

Heavy duty antennas

DIPOLE 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

- **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 / 5 GHz
- **N MALE CONNECTOR**
  Available for vertical or 90° mounting



NOMENCLATURE

ANH **5** **2** - **C** **N** **S** **U**
a **b** **c**

a Frequency

4	868 MHz	7	2.4 GHz
5	900 MHz	9	2.4 - 5 GHz

b Antenna connection

3	N Female
C	N Male

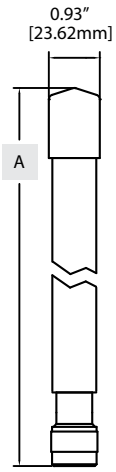
c Antenna mounting

S	Straight (vertical)
R	Elbow (90°)

DIMENSIONAL DRAWINGS

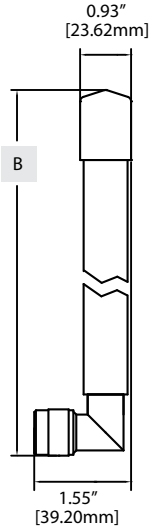
Models

ANH42-CNSU
ANH52-CNSU
ANH72-CNSU
ANH92-CNSS



Models

ANH42-CNRU
ANH52-CNRU
ANH72-CNRU
ANH92-CNRS



Model	A *inch [mm]*
ANH42-CNSU	9.05 [230]
ANH52-CNSU	9.05 [230]
ANH72-CNSU	4.92 [125]
ANH92-CNSS	9.05 [230]

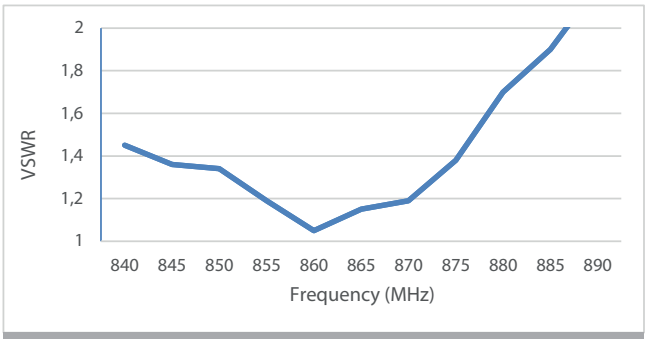
Model	B *inch [mm]*
ANH42-CNRU	9.44 [240]
ANH52-CNRU	9.44 [240]
ANH72-CNRU	5.31 [135]
ANH92-CNRS	9.44 [240]

Data contained in this specification are subject to change without notice

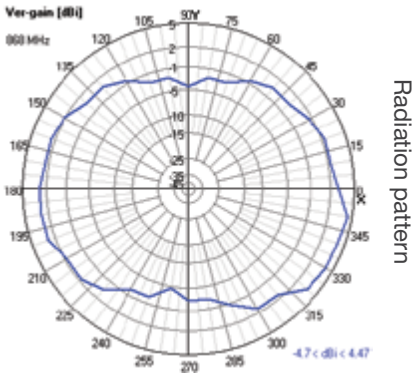
SPECIFICATIONS

Radiation	Omni
Polarization	Vertical
Wave	1/2
Connector	N Male Brass nickel plated
Material	UV resistant ABS
Ambient temp. range	-40°C (-40°F) +80°C (+176°F)

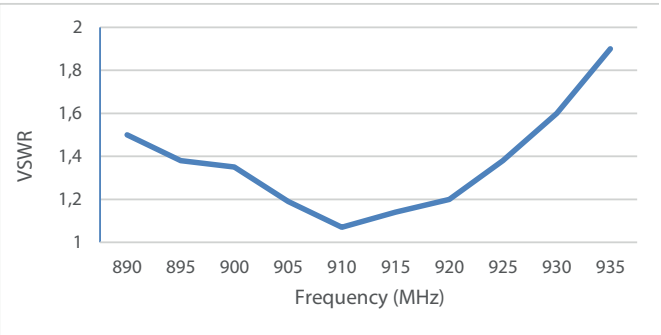
	ANH 42	ANH 52	ANH 72	ANH 92
Frequency Range	855 - 883 MHz	890 - 935 MHz	2.35 - 2.55 GHz	2.4 - 2.485 GHz 5.15 - 5.875 GHz
Impedance (nominal)	50Ω @ 868 MHz	50Ω @ 915 MHz	50Ω @ 2.45 GHz	50Ω @ 2.4 GHz 50Ω @ 5.6 GHz
VSWR (average)	1.14 : 1	1.14 : 1	1.13 : 1	1.7 : 1 @ 2.4 GHz 2 : 1 @ 5 GHz
Gain max	2.00 dBi	2.00 dBi	2.00 dBi	4.7 dBi @ 2.4 GHz 3.4 dBi @ 5 GHz



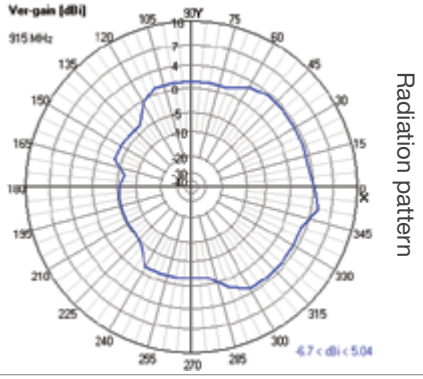
ANH42



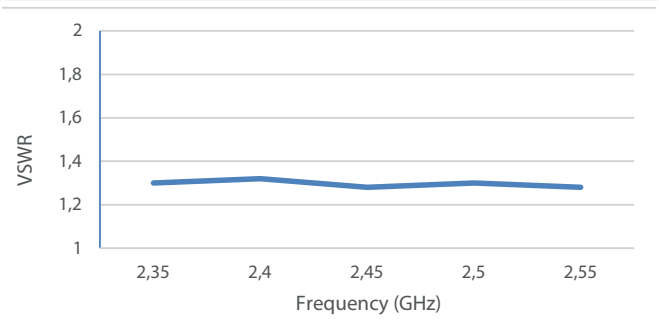
Radiation pattern



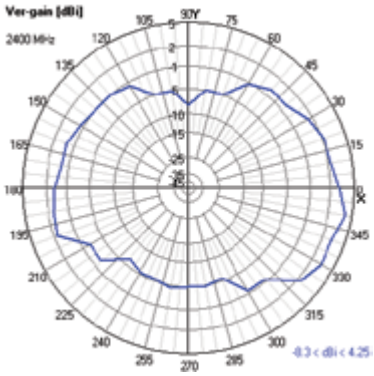
ANH52



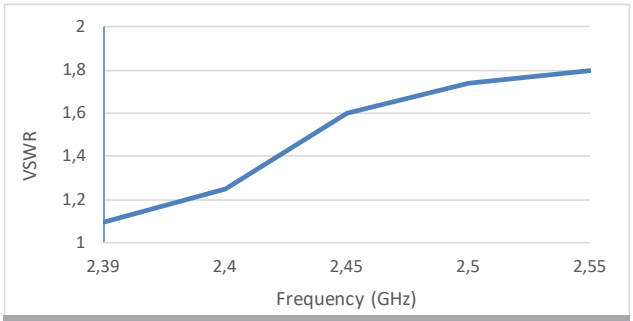
Radiation pattern



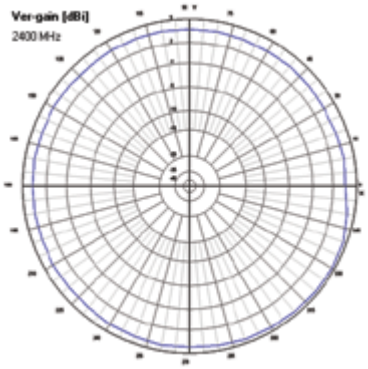
ANH72



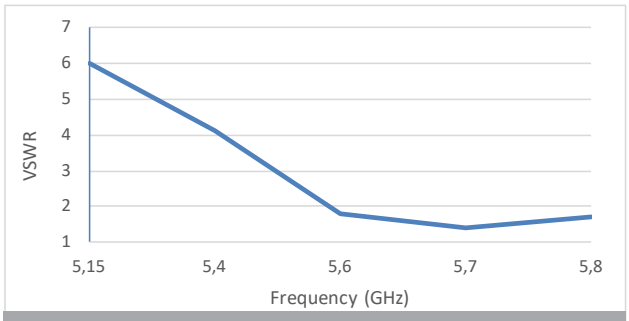
Radiation pattern



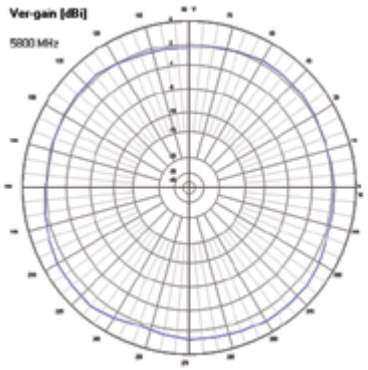
ANH92



Radiation pattern



ANH92



Radiation pattern