

Heavy duty antennas

DIPOLE ANH SERIES



B00006-03

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.

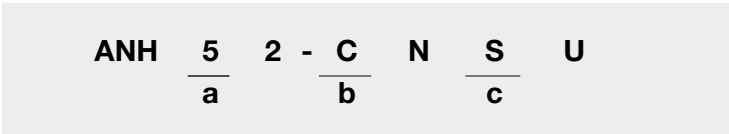
An antenna can make or break a wireless network.
The proper antenna can optimize the range, reliability and performance of a radio network.



FEATURES

- ✔ **ANH HEAVY DUTY SERIES**
Rugged construction allows the use of our antennas in hostile environments 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



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 |

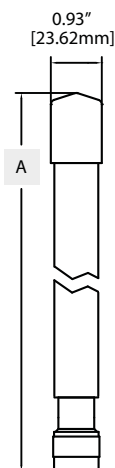
c Antenna mounting

| | |
|---|---------------------|
| S | Straight (vertical) |
| R | Elbow (90°) |

DIMENSIONAL DRAWINGS

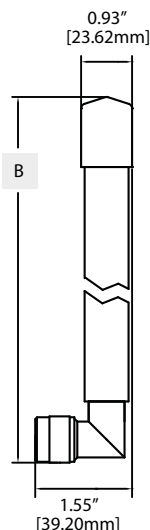
Models

- 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]

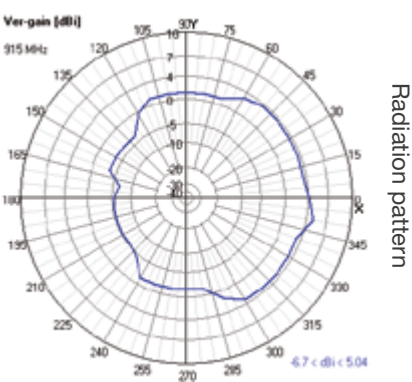
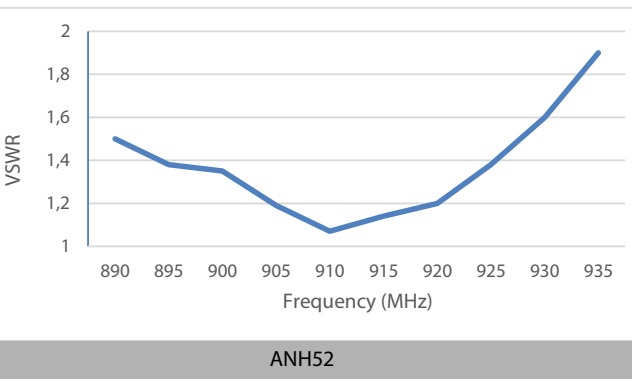
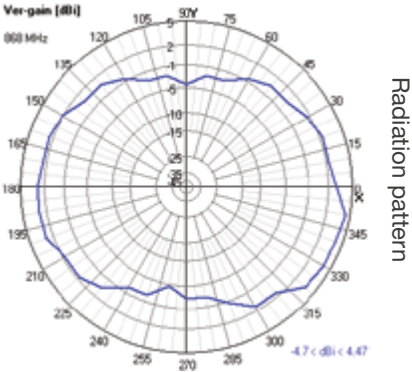
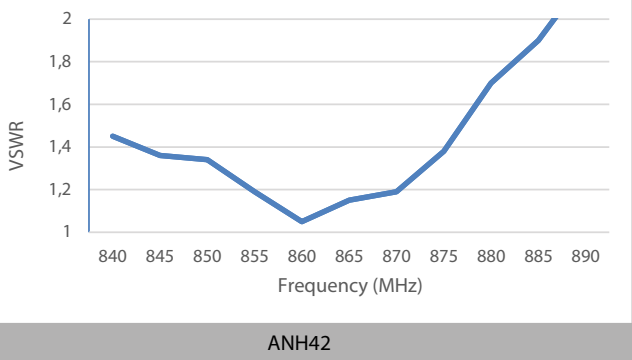
| | |
|------------|------------|
| ANH42-CNRU | 9.44 [240] |
| ANH52-CNRU | 9.44 [240] |
| ANH72-CNRU | 5.31 [135] |
| ANH92-CNRS | 9.44 [240] |

Data contained in this specification are subject to change without notice

SPECIFICATIONS

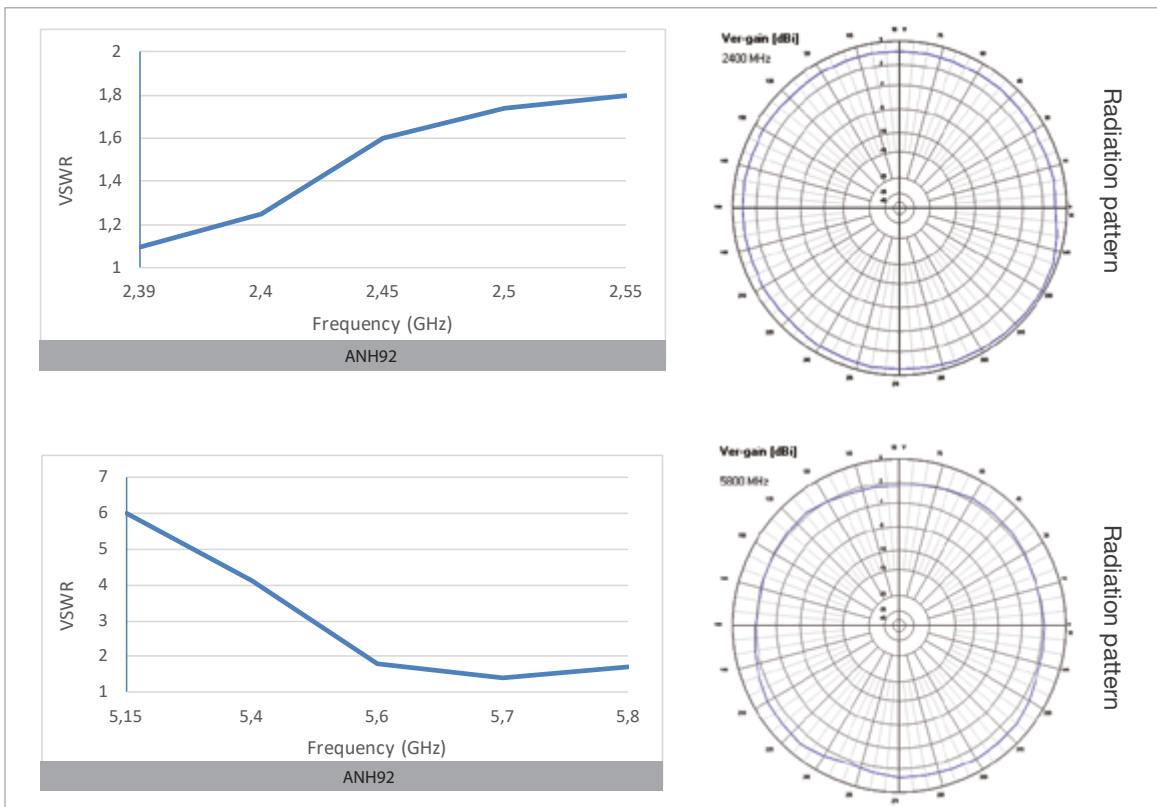
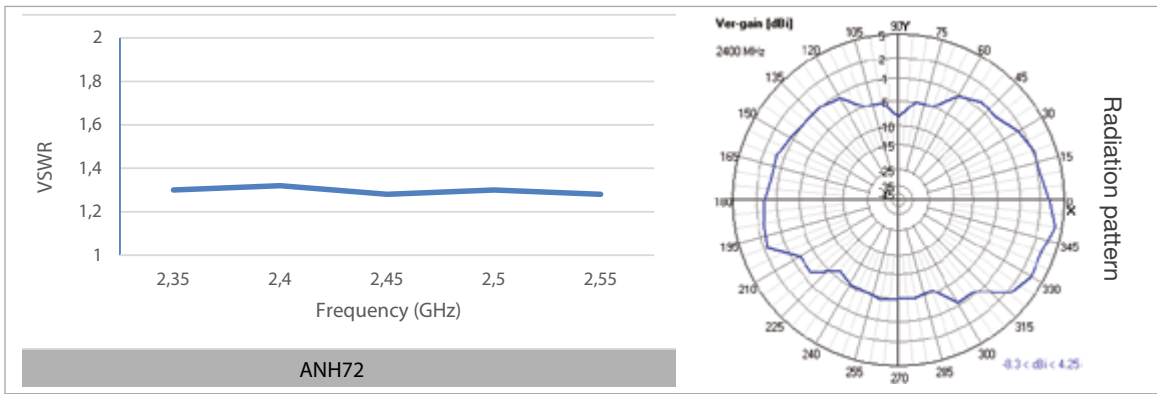
| | |
|----------------------------|------------------------------|
| Radiation | Omni |
| Polarization | Vertical |
| Wave | 1/2 |
| Connector | N Male Brass nickel plated |
| Material | UV resistant ABS |
| Ambient temp. range | -40°C (-40°F) +80°C (+176°F) |

| | 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 |



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