

B00009-00

Heavy duty antennas

GPS ANH SERIES



The Solexy's ANHA and ANHB series is a selection of heavy duty antennas specifically designed for satellite applications, covering a wide range of frequency bands including GPS, GLONASS and IRIDIUM.

The ANHA and ANHB series are passive, narrow bandwidth and high gain antennas, perfectly compatible with Solexy's AX and RX intrinsically safe antenna couplers.

The ANHA and ANHB series are RHCP (Right Hand Circular Polarized) in order to be compatible with the propagated GPS signals.



FEATURES

- ✓ **PASSIVE**
High gain passive execution to be used in combination with intrinsically safe Solexy antenna couplers
- ✓ **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 GPS/GLONASS and IRIDIUM systems
- ✓ **N CONNECTOR**
Available N Male straight or elbow and N Female straight bulkhead

NOMENCLATURE

- a Frequency / System**
 - A 1575.42 MHz / GPS-GLONASS
 - B 1621 MHz / IRIDIUM
- b Antenna connection**
 - 3 N Female
 - C N Male
- c Antenna mounting**
 - S Straight (vertical)
 - R Elbow (90°, only N Male connector)

ANH $\frac{A}{a}$ - $\frac{C}{b}$ N $\frac{S}{c}$ E



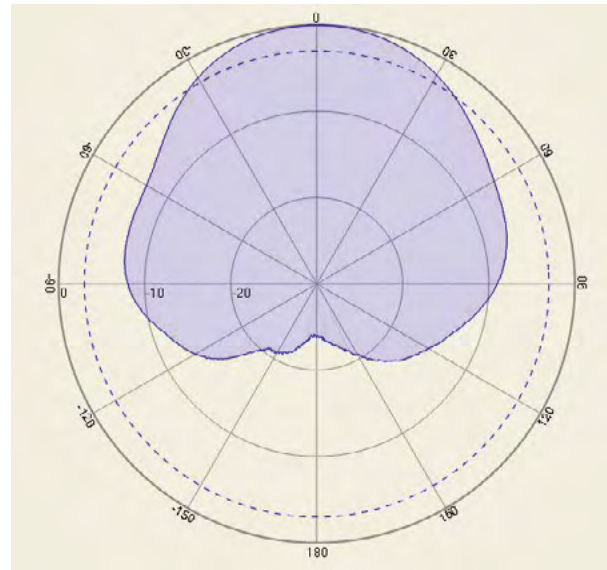
SPECIFICATIONS

Polarization	Right Hand Circular (RHCP)
Connector	N Male or Female brass nickel plated
Material	Fiberglass
Ambient temp. range	-40°C (-40°F) +80°C (+176°F)

ANHA Receiving Frequency 1575.42 MHz GPS/GLONASS Systems

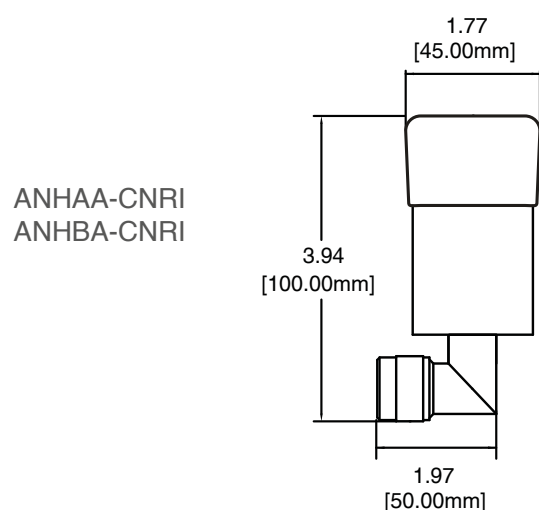
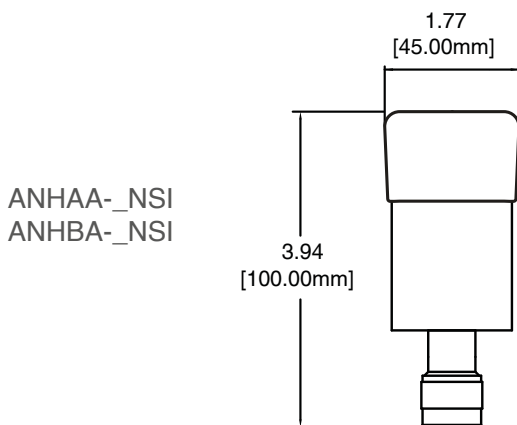
ANHB Center Frequency 1621 MHz IRIDIUM Systems

	ANHA	ANHB
-10dB Bandwidth	15 MHz	9 MHz
Impedance	50Ω	50Ω
VSWR	1.5	1.5
Gain (@ Zenith)	4.50 dBic	4.00 dBic
Polarization	RHCP	RHCP
Frequency temperature coefficient	20 ppm/°C	20 ppm/°C



Radiation pattern

DIMENSIONAL DRAWINGS



Data contained in this specification are subject to change without notice