

Heavy duty antennas

B00009-02

# GPS & IRIDIUM 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 RX and SX intrinsically safe antenna couplers.

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

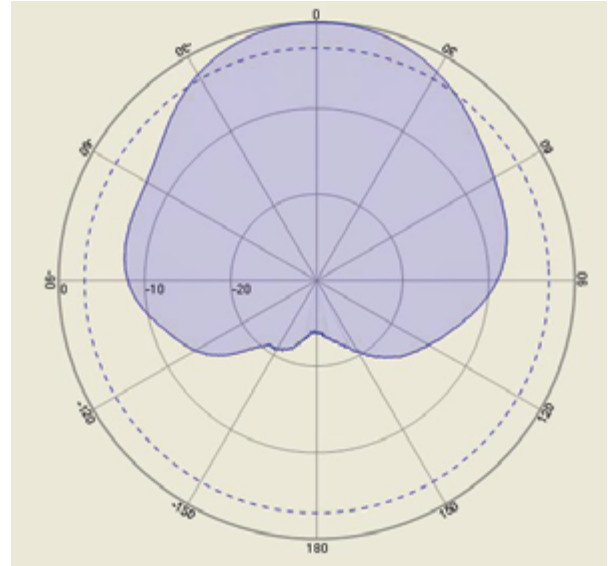
ANH	$\frac{A}{a}$	$\frac{A - C}{b}$	N	$\frac{S}{c}$	E
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# SPECIFICATIONS

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

<b>ANHA Receiving Frequency</b>	1575.42 MHz GPS/GLONASS Systems
<b>ANHB Center Frequency</b>	1621 MHz IRIDIUM Systems

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

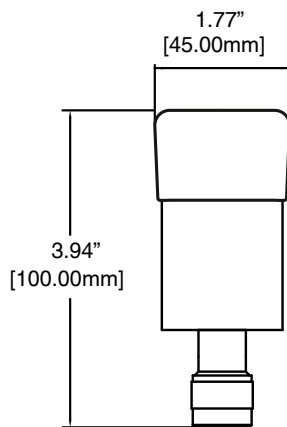


Radiation pattern

Data contained in this specification are subject to change without notice

## DIMENSIONAL DRAWINGS

ANHAA-\_NSE  
ANHBA-\_NSE



ANHAA-CNRE  
ANHBA-CNRE

