



## Description

The Ciholas ANT110 is a monopole antenna designed to operate from 3.2 GHz to 7 GHz. It is intended for use in Ultra-Wideband (UWB) applications and is provided in the **DWUSB kit** for use with the **DWUSB-SMA**. The antenna is small enough to allow implementation in portable devices and has a standard polarity SMA connector.



## 1 Features

- Frequency Range: 3.2 GHz to 7.0 GHz
- High Efficiency
- Semi-Omnidirectional radiation pattern
- Peak Gain: 3.6 dBi
- Standard polarity SMA male plug

## 2 Ordering

Model	Part Number	Description
ANT110	A00981-01917	1-SMA Plug PCB Antenna

Available from the [Ciholas Webshop](#)

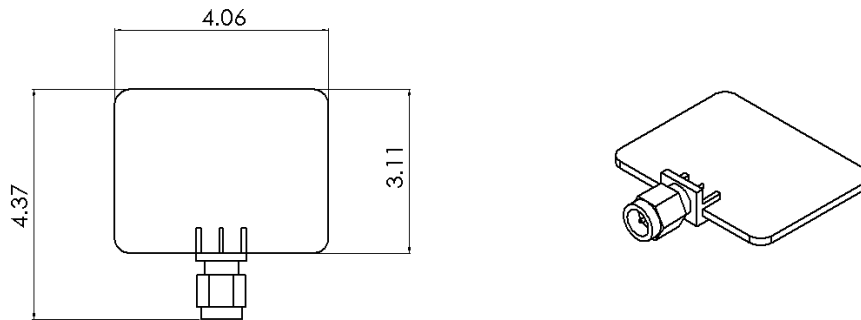
## 3 Electrical

Parameter	Description	Min.	Typ.	Max	Units
Impedance	Nominal Antenna Impedance		50		$\Omega$



## 4 Mechanical

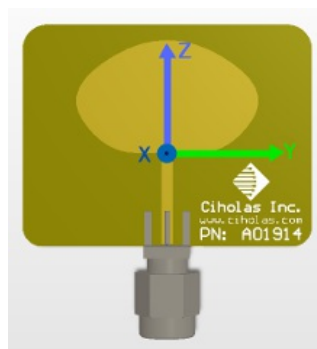
Parameter	Description	Min.	Typ.	Max	Units
Mass	Antenna Mass		7.8		g



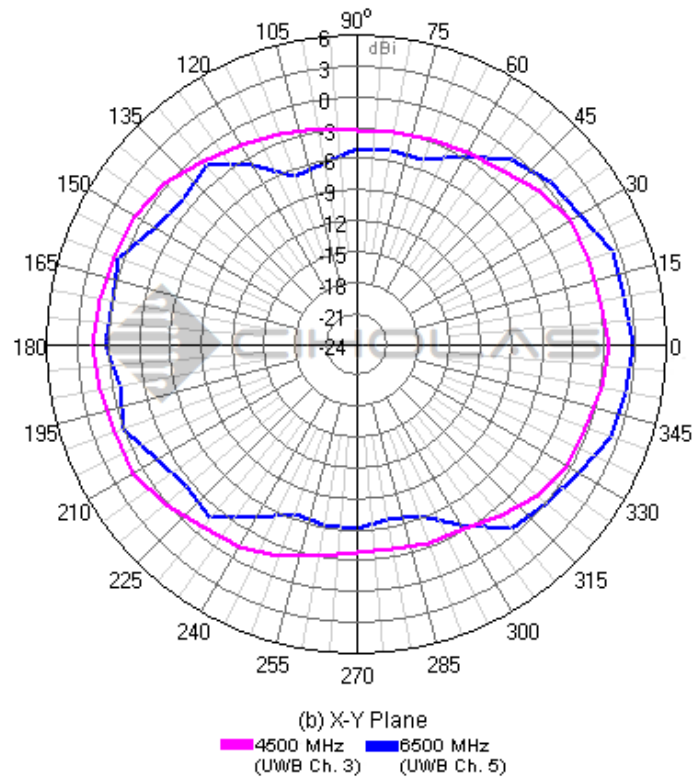
Dimension unit: Centimeters

## 5 Radiation Patterns

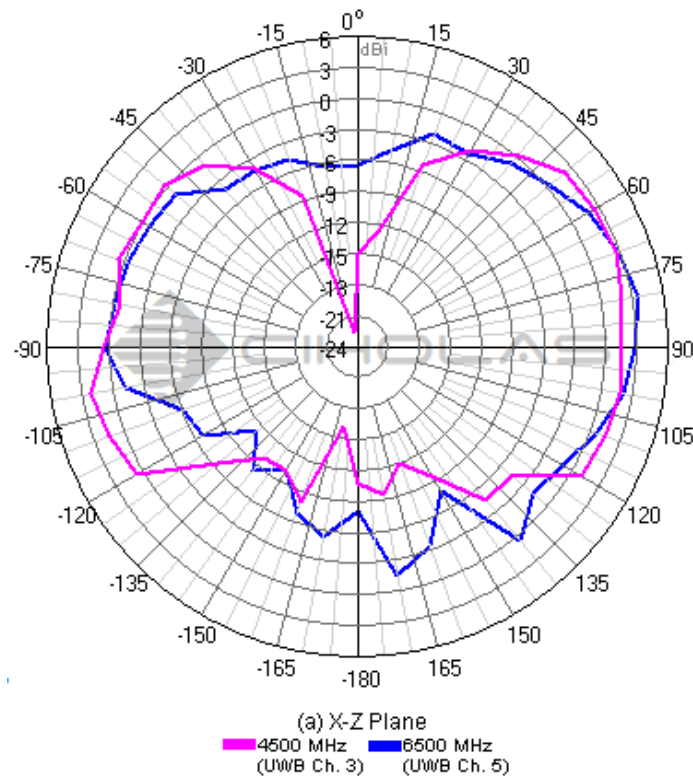
### 5.1 Axis Reference



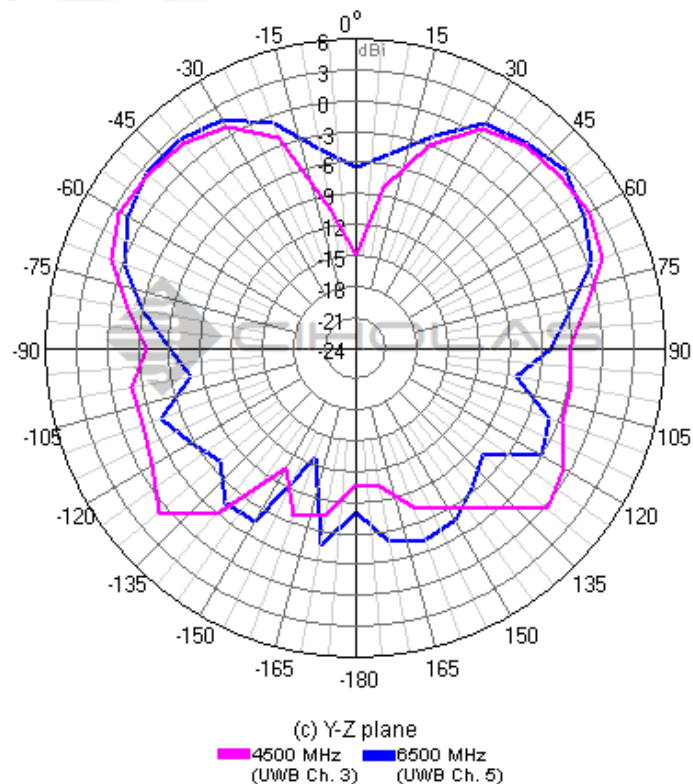
### 5.2 XY Plane



### 5.3 XZ Plane



## 5.4 YZ Plane



## 6 More Information

Please visit the following links for more information and documentation regarding **Ciholas** UWB systems and products:

- Documentation, installation, and usage instructions visit [CUWB.io](http://CUWB.io)
- To purchase **Ciholas** UWB products, please visit the [Ciholas Shop](#)
- Ask other users questions and find community information in the [Community Forum](#)
- Learn more about Ciholas services at [www.ciholas.com](http://www.ciholas.com)

## 7 ANT110 Datasheet Change Log

Version	Date	Change Description
1.0	2018-05-10	Initial Public Release