



## Antenna Reference Design Specification

Date: 03/07/2024  
Model Number: FBO-2005-ANT  
Prepared by: Dawei Wan  
Checked by: Neman Mohammed  
Approved by: Dr. Saurabh Sanghai

Data contained in this document is proprietary and confidential and belongs to Trackonomy Systems Inc. It is provided in confidence solely for informational purposes of the recipient. None of the information contained herein shall be used for any other purposes or duplicated in whole or in part without prior authorization of Trackonomy systems Inc.

All data contained in, revealed by, or shown in this document are proprietary and confidential property of Trackonomy Systems San Jose, CA

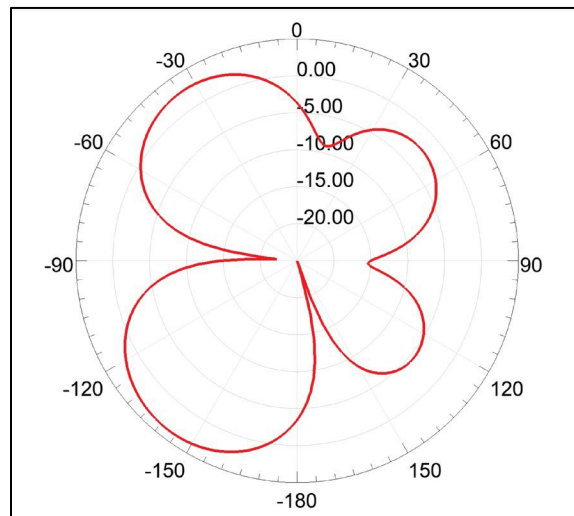
## 1.0 GENERAL INFO

Brand Name	Trackonomy Systems
Manufacturer	Trackonomy Systems, Inc. (Custom Design)
Manufacturer Address	214 Devcon Dr, San Jose, CA 95112 United States
Model Number	FBO-2005-ANT
Antenna Type	Inverted F PCB Antenna
Max Gain	1.5dBi

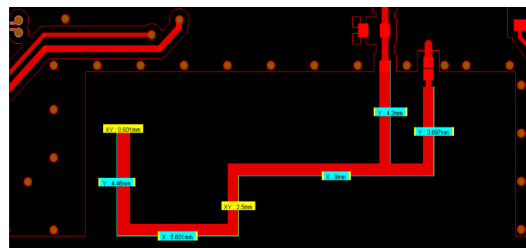
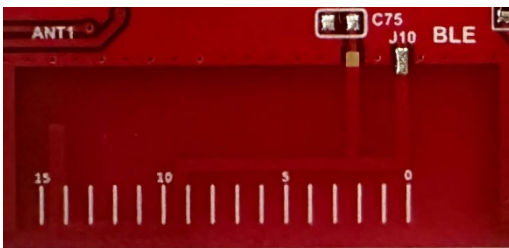
## 2.0 GAIN TABLE

Frequency (MHz)	Antenna Gain (dBi)
2400	1.45
2440	1.5
2483.5	1.45

## 3.0 ANTENNA PATTERN



## 4.0 ANTENNA PICTURE



## 5.0 ANTENNA SPECIFICATIONS

Trace Length	29.55 mm
Trace Width	0.6 mm
Trace Thickness	1.4 mil
Impedance	50Ω
Dielectric Constant	3.8