

Bluetooth antenna of PCB on-board specification

V1.0

Index

Item	Content	Page	Remark
1	Specification	3	
2	Return Loss	3	
3	Radiation Pattern	4	

Document Type: PCB Antenna

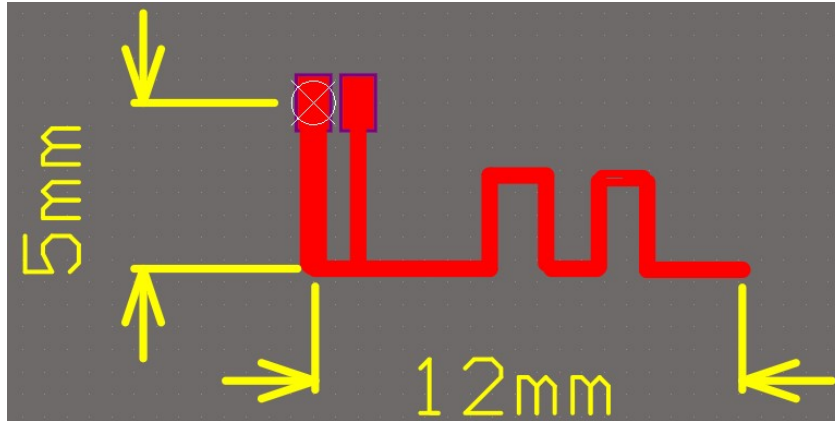
Document Version: V1.0

Release Date: September 9,2024

1、Specification

Product Name: PCB Antenna

Sample Photo:



Manufacturer: Nanjing Lichao Electronic Technology Co.Ltd.

A. Electrical Characteristics

Frequency	2400 MHz~2500MHz
S.W.R	≤ 2.0
Gain	1.23 dBi
Efficiency	~28%
Polarization	Linear
Impedance	50 hm

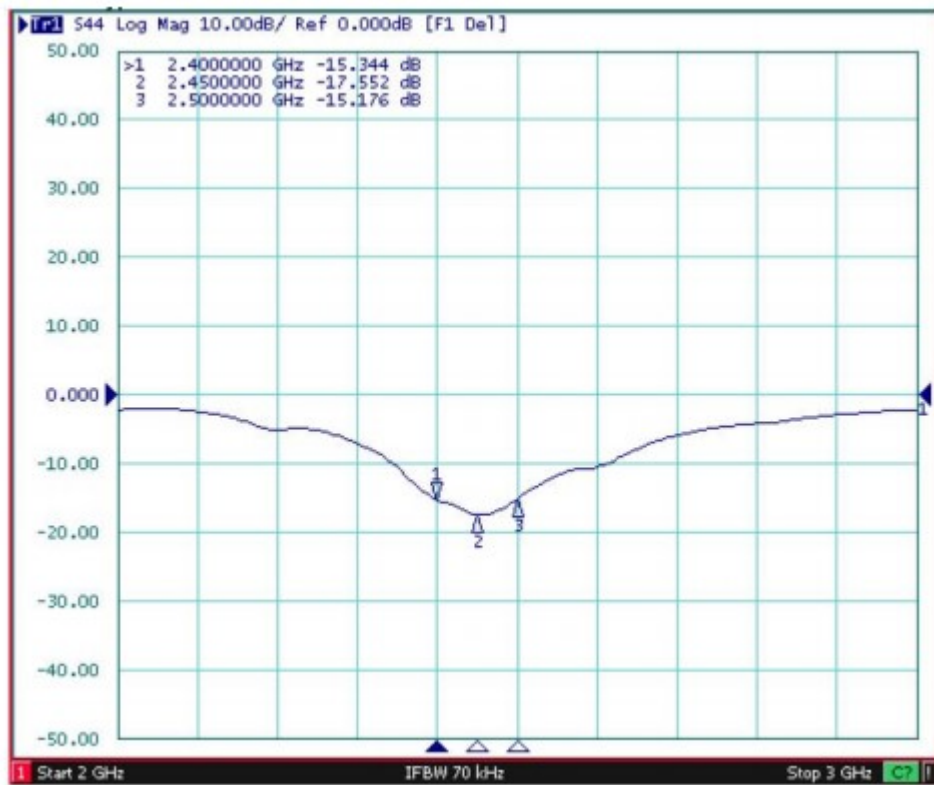
B. Material &Mechanical Characteristics

Material of Radiator	Plated copper
----------------------	---------------

C. Environmental

Operation Temperature	-40°C~+85°C
Storage Temperature	-40°C~+105°C

2、Return Loss

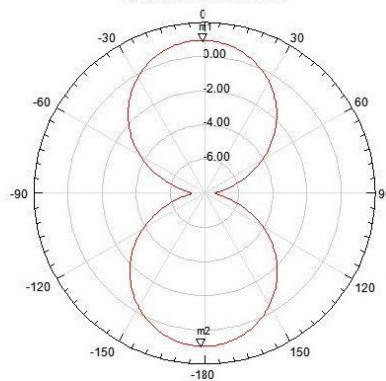


3、Radiation Pattern

Name	Theta	Ang	dBi
m1	0.0000	0.0000	0.9557
m2	-179.0000	-179.0000	0.9583

YZ_Plane

Radiation Pattern 3

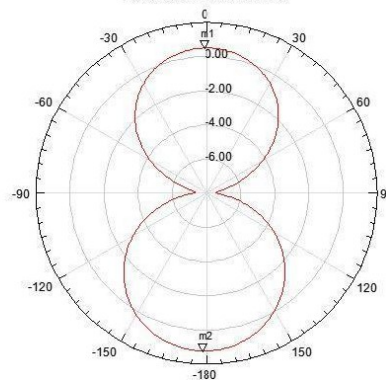


Curve Info	
—	dBi (GainTotal)
Setup1 : LastAdaptive	
Freq=2.44GHz' Phi=90deg'	

Name	Phi	Ang	dBi
m1	360.0000	-0.0000	0.5071
m2	181.0000	-179.0000	1.2262

XY_Plane

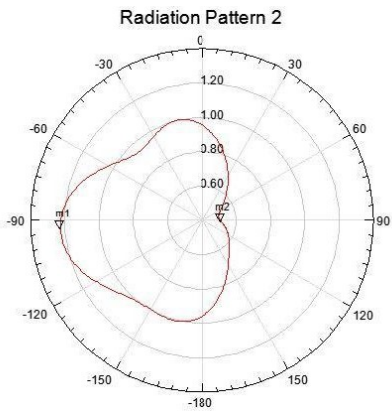
Radiation Pattern 1



Curve Info	
—	dBi (GainTotal)
Setup1 : LastAdaptive	
Freq=2.44GHz' Theta=90deg'	

Name	Theta	Ang	dBi
m1	-93.0000	-93.0000	1.2257
m2	92.0000	92.0000	0.5101

XZ_Plane



Curve Info	
—	dBi (GainTotal)
Setup1 : LastAdaptive	
Freq=2.44GHz Phi=0deg	