
Bluetooth antenna of PCB on-board specification

V1.0

1、Index

Item	Content	Page	Remark
1	Index	1	
2	Specification	2	
3	VSWR	3	
4	Radiation Pattern	4	

Document Type: PCB Antenna
Document Version: V2.0
Release Date: Jan 25, 2020

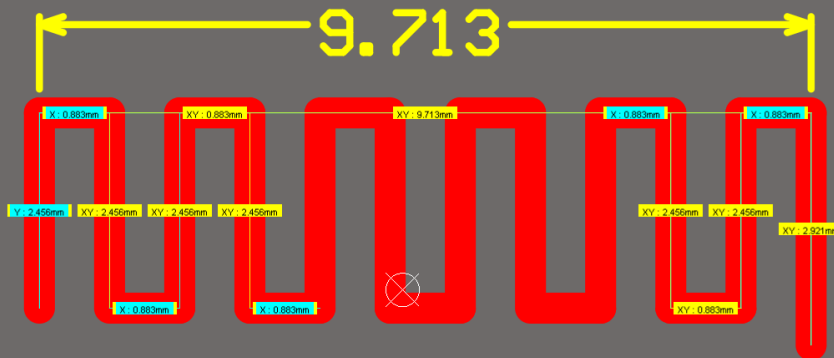
2、 Specification

Product Number: PCB Antenna

Sample Photo:

Manufacture: Zhejiang Nowvow Mechanical And Electrical Corp.,Ltd

Unit: mm
Width: 0.4



The end of the thread is a semicircle with a radius of 0.2

A. Electrical Characteristics

Frequency	2400 ~ 2500 MHz
S.W.R.	<=1.5
Gain	2402MHZ, 2.24 dBi; 2440MHZ, 2.26 dBi; 2480MHZ, 2.15dBi
Efficiency	~ 50%
Polarization	Linear
Impedance	50 Ohm

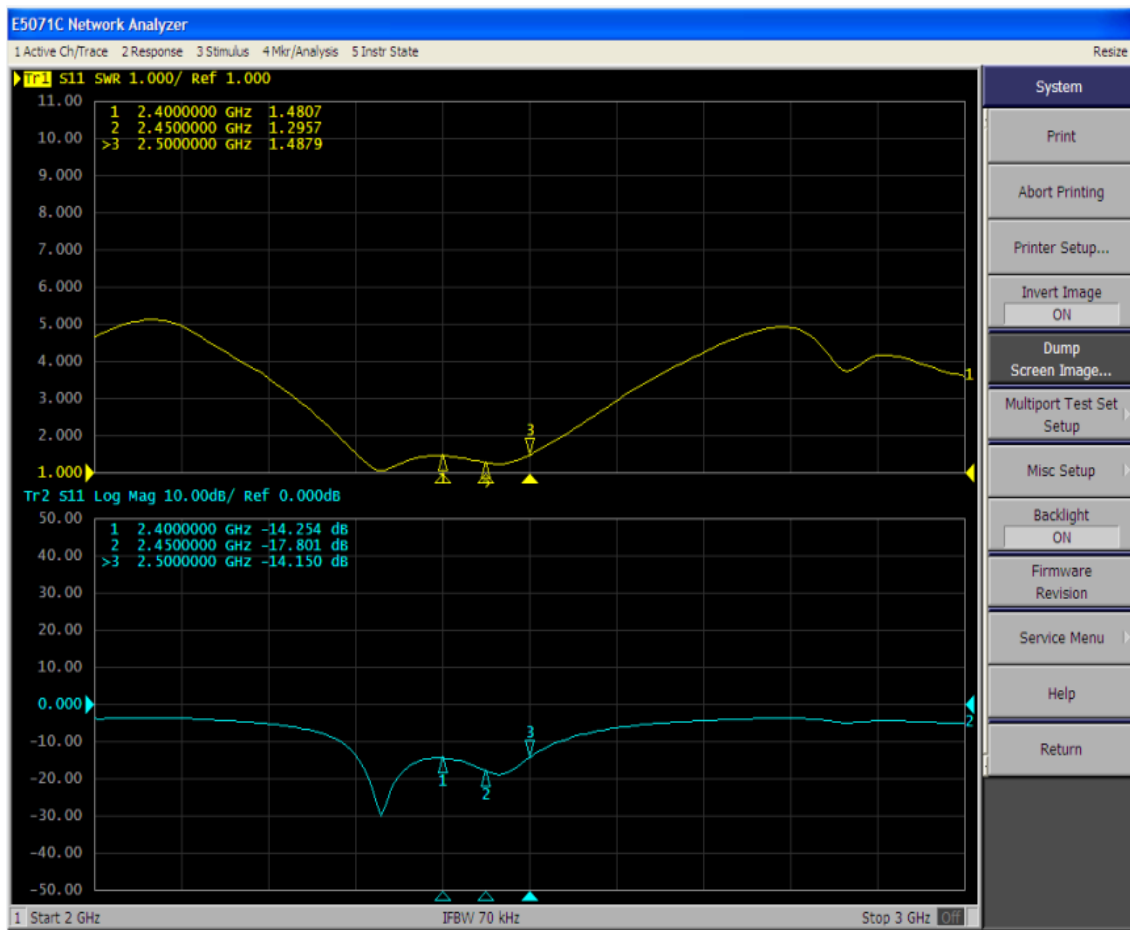
B. Material & Mechanical Characteristics

Material of Radiator	plated copper
----------------------	---------------

C. Environmental

Operation Temperature	- 40℃ ~ + 85℃
Storage Temperature	- 40℃ ~ + 105℃

3、 VSWR



4、 Radiation Pattern

Radiation Pattern and Gain were dependent on measurement board design. The specification of coil antenna was measured based on the PCB size and installation position as shown in the below figure Test Board.

