
PCB Antenna Specification

2400Mhz universal printed line antenna

Zhongshan Chaozeming Technology Co., LTD.

Chapter One Product introduction

The PCB antenna is a printed circuit board built-in antenna operating at 2400Mhz. The total length of the antenna is 13.5 mm, the width is 5mm, and the line width is 0.5mm. The antenna is made of copper. This antenna is suitable for all kinds of antenna with 2400Mhz frequency built-in electronic products, communication equipment, etc.

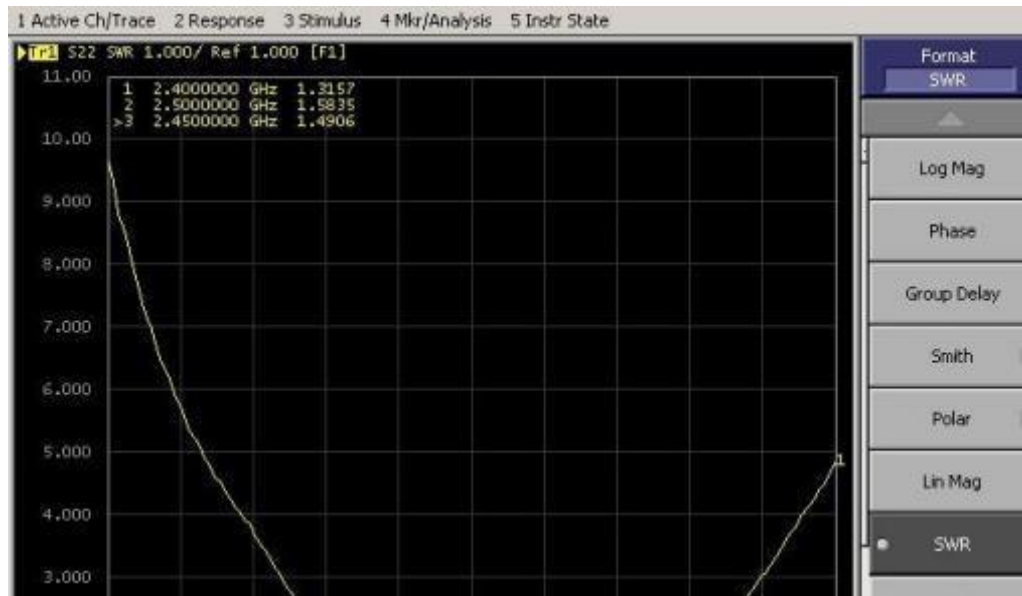
Chapter II Specification parameters

Electrical parameter	
Center frequency	2450Mhz
Antenna bandwidth	2400Mhz-2500Mhz
Antenna Gain value	3dBi
Standing-wave ratio	<1.6
Polarization direction	Vertical polarization
Radiation direction	omnidirectional
Input impedance	50Ω
Maximum power	10W
Other parameters	
Antenna length	13.5mm
Spiral diameter	5mm
Line width	0.5mm
Antenna material	copper
Interface specification	PCB printing
Operating temperature	-40°C~ +80°C

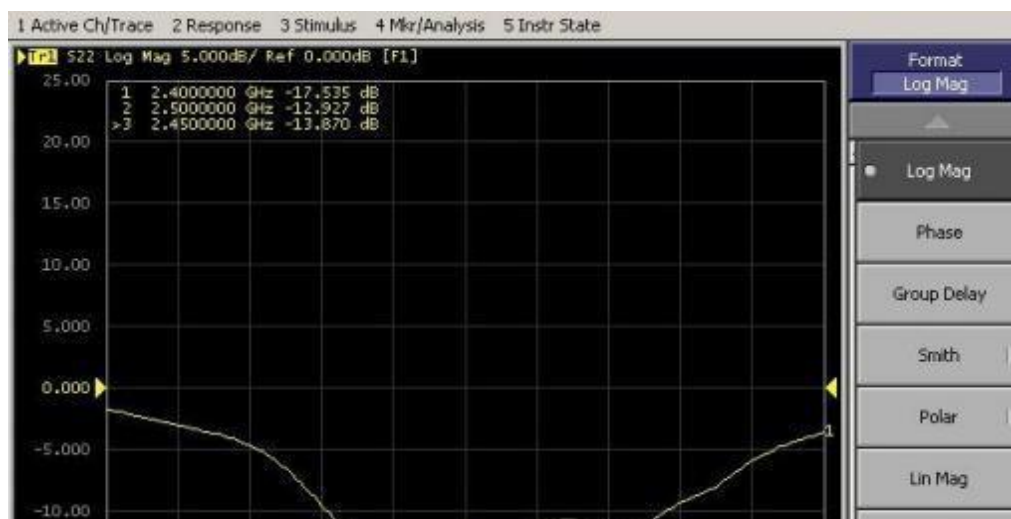


Chapter three antenna characteristics

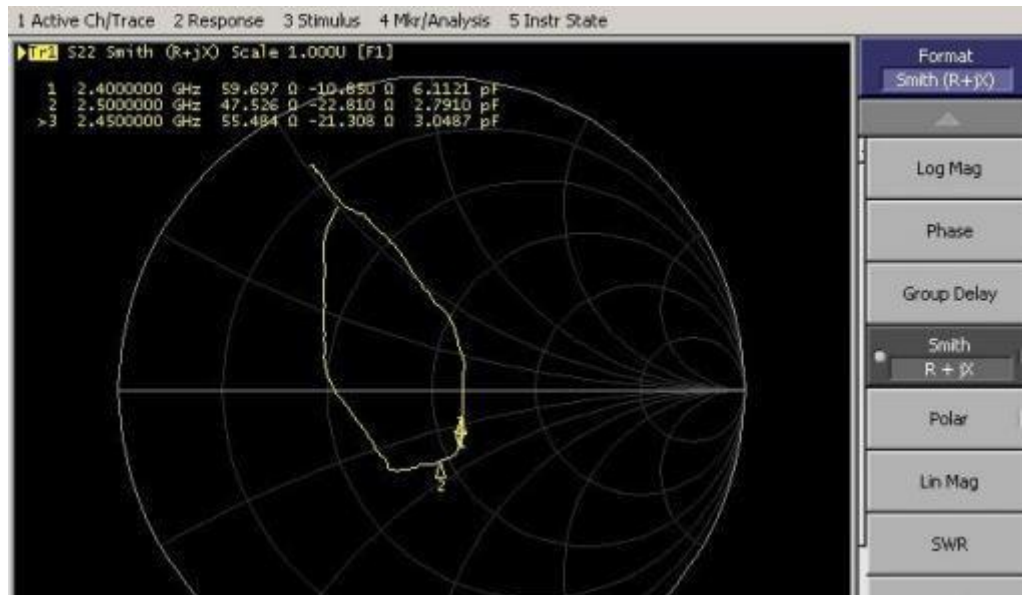
VSWR



Return Loss



Smith Chart



Chapter Four points for attention

- 1, the antenna should be laid out in the corner or edge of the circuit board, the bottom of the antenna body can not have a paved PCB board,
- 2, in addition to the circuit board around the antenna, the conductor material can not be placed within 5mm in other directions, and the distance between the antenna and the conductor is better.