
PCB Antenna Specification

Meander Line Antenna

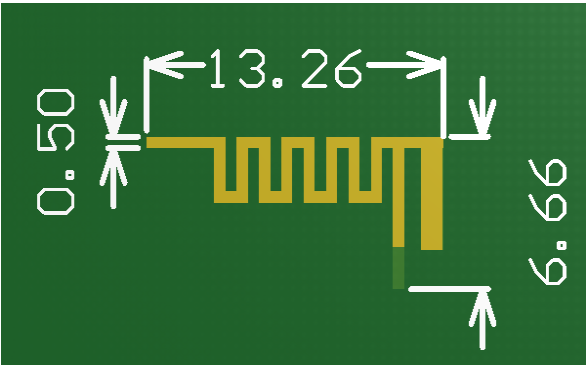
2400 MHz universal printed circuit antenna

Chapter One Product Introduction

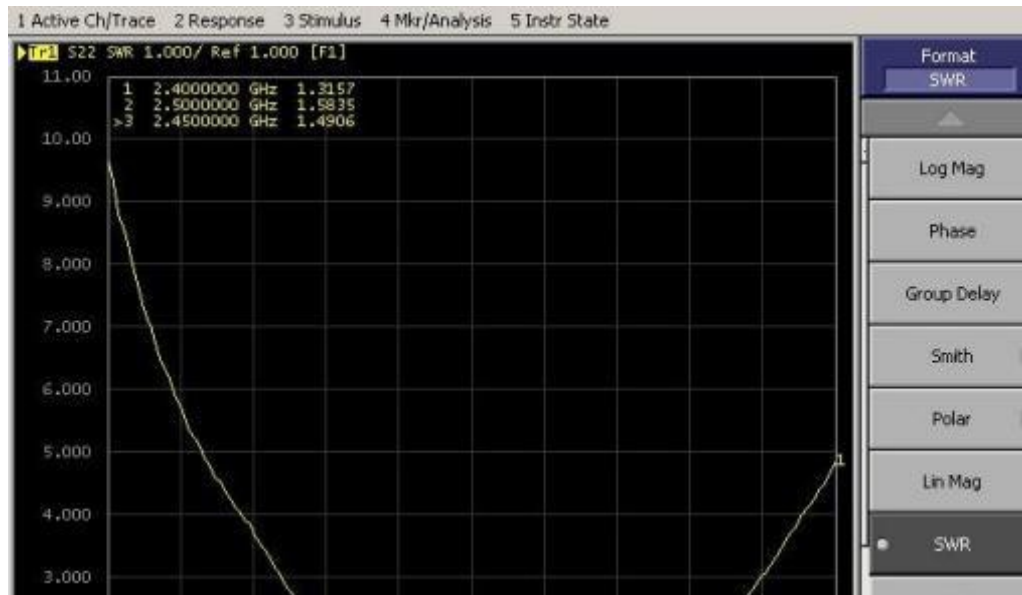
The PCB antenna is a built-in antenna on a printed circuit board that operates at 2400 MHz. The total length of the antenna is 13.5 mm, the width is 5 mm, and the line width is 0.5 mm. The material of the antenna is copper. This antenna is suitable for various electronic products and communication equipment that incorporate antenna integration and operate at 2400 MHz frequency.

Chapter 2 Specification Parameters

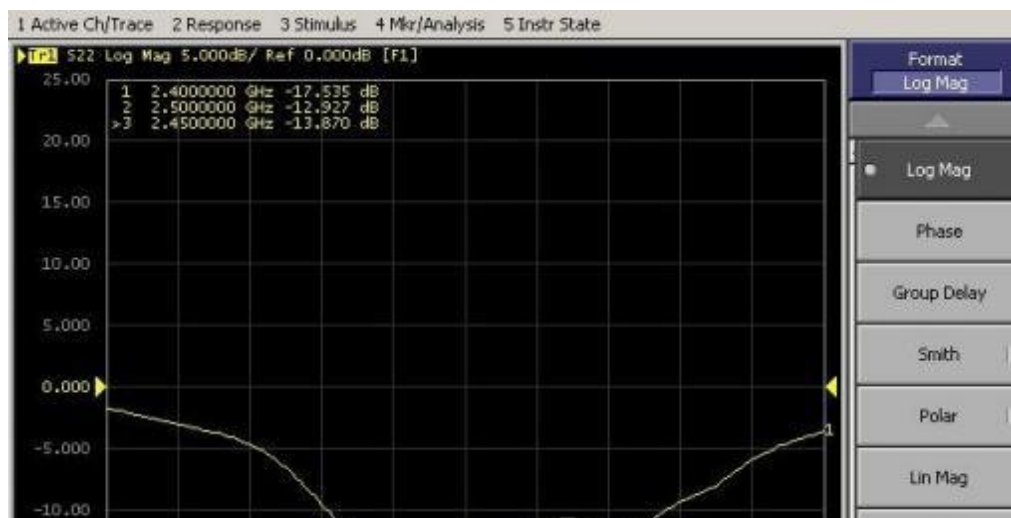
Electric Parameter	
Center Frequency	2450Mhz
antenna bandwidth	2400Mhz-2500Mhz
antenna gain	3dBi
VSWR	<1.6
direction of polarization	vertical polarization
radial direction	omnibearing
input impedance	50Ω
maximum power	10W
other parameters	
antenna length	13.26mm
screw diameter	6.66mm
line width	0.5mm
Antenna material	copper
interface specification	PCB Printing
operating temperature	-40℃ ~ +80℃



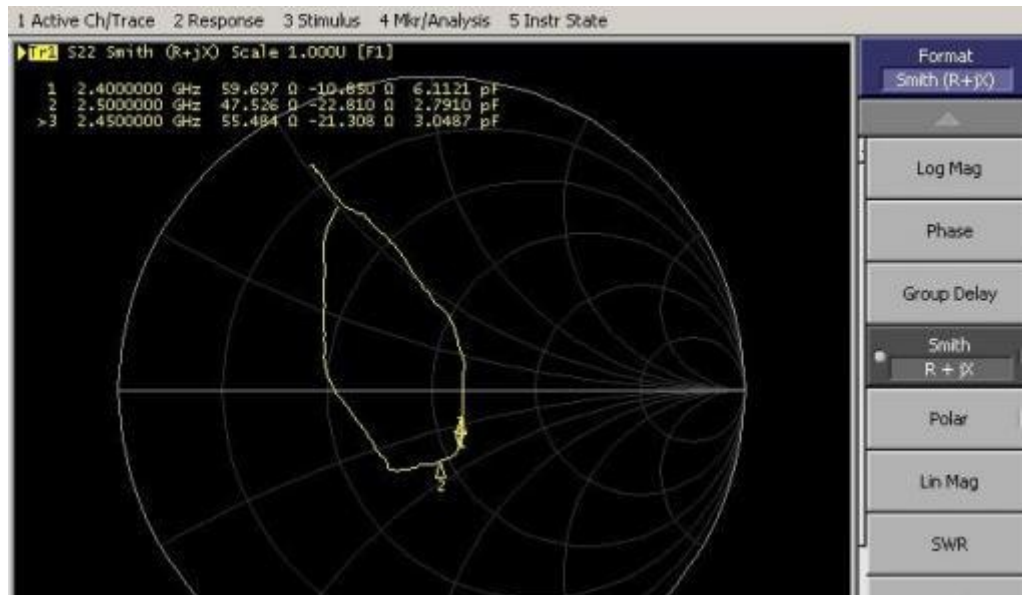
Chapter 3 Antenna Characteristics驻波比 (VSWR)



Return Loss

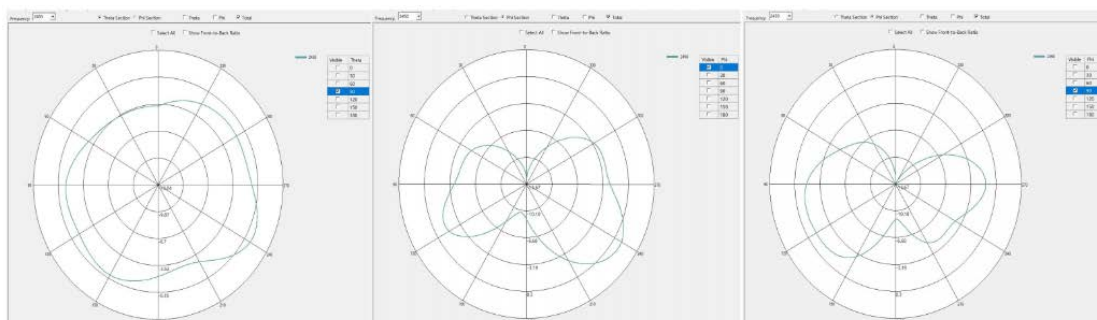


Smith Chart



RADIATION PATTERNS

2D Radiation Pattern at 2450MHz



Chapter Four Notes and Reminders

1. This antenna should be placed in the corner or edge area of the circuit board. There should be no PCB board laid on the bottom of the antenna body.
2. Apart from the circuit board, no conductive materials can be placed within 5mm in any direction around the antenna. The farther the distance between the antenna and the conductive material, the better.