

Product Specification

Customer Name: _____

Manufacturer: Chengdu Silent Smart Technology Co.,Ltd
_____Manufacturer
Code: WSPCB-ANT01

Quantity : _____

General Specifications

Part Number	WSPCB-ANT01
Frequency Range(MHZ)	2400-2525
Avg.Rad Efficiency	80%
Peak Gain (dBi)	0
Average Gain (dBi)	-1.5
Return Loss (dB)	≤ -10
Impedance	50 Ω
VSWR	≤ 3
Polarization	Linear Vertical
Connector Type	PCB

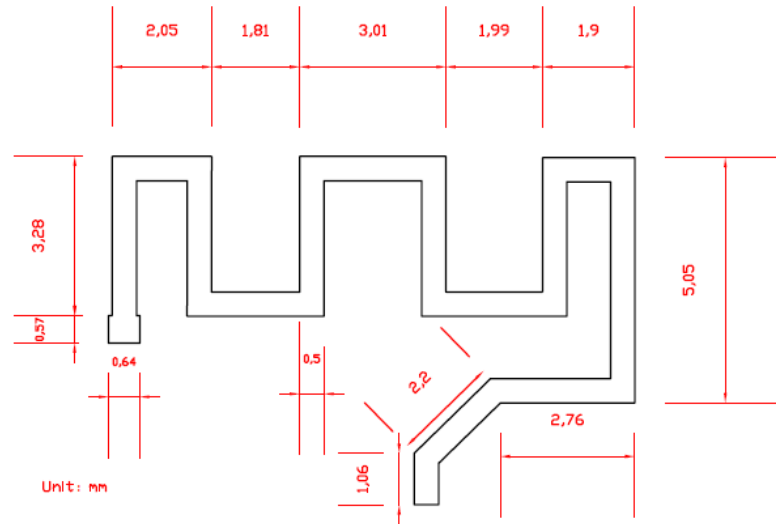
Physical Properties

Antenna Base	FR-4
Operating Temp	-40°C-+85°C
Storage Temp	-40°C-+85°C

1、Application:

WSPCB-ANT01 is a PCB antenna for Bluetooth,WLAN,802.11b/g,2.4GHz,etc...

2、Sizes:

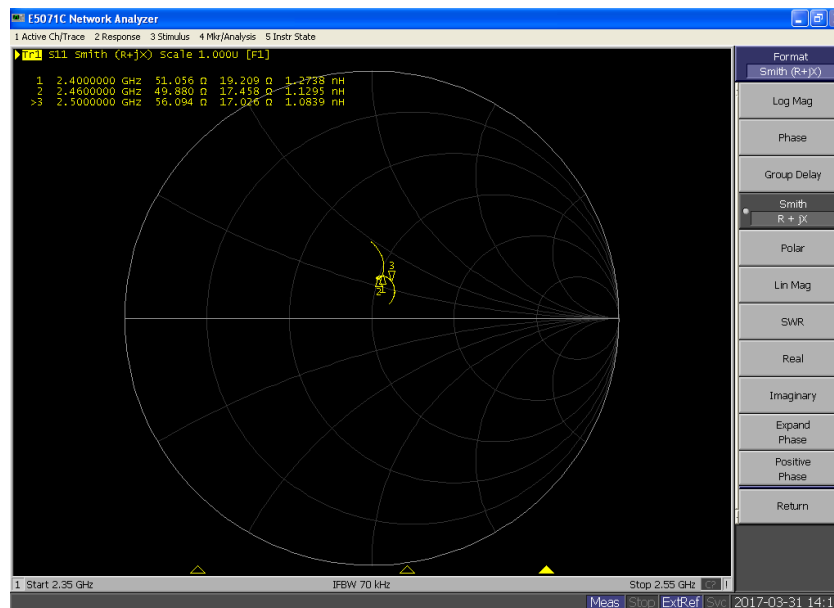


3、Frequency Range

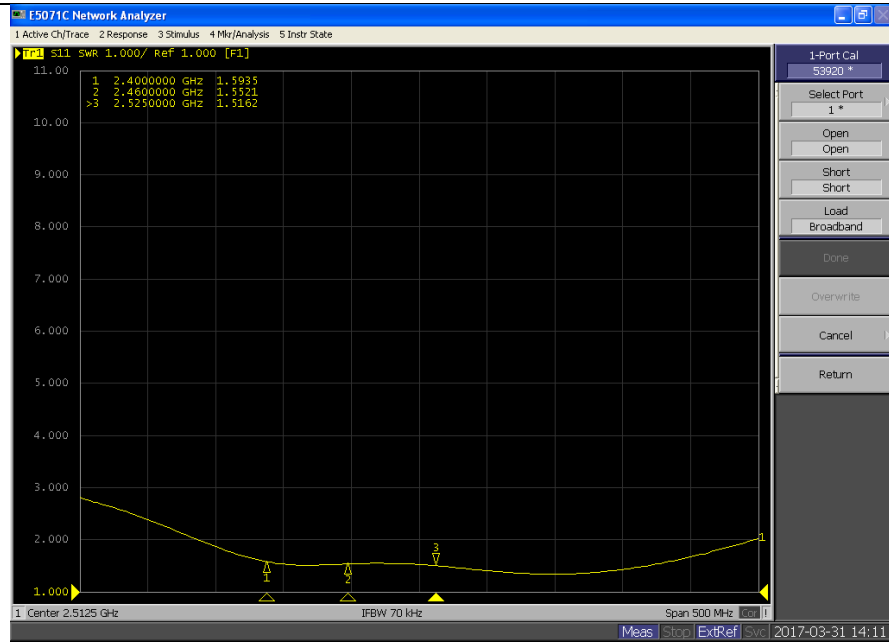
2400-2525MHz

4、Performance parameters

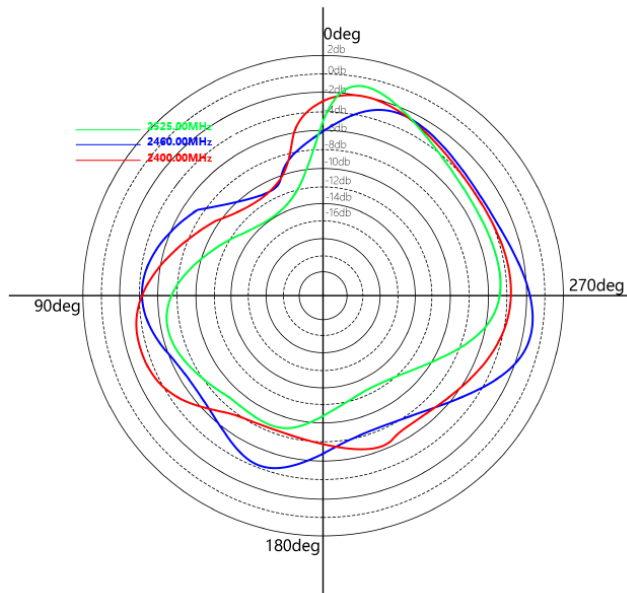
Frequency	SWR
2400MHz	<1.7
2460MHz	<1.7
2525MHz	<1.7



Map 2 Smith

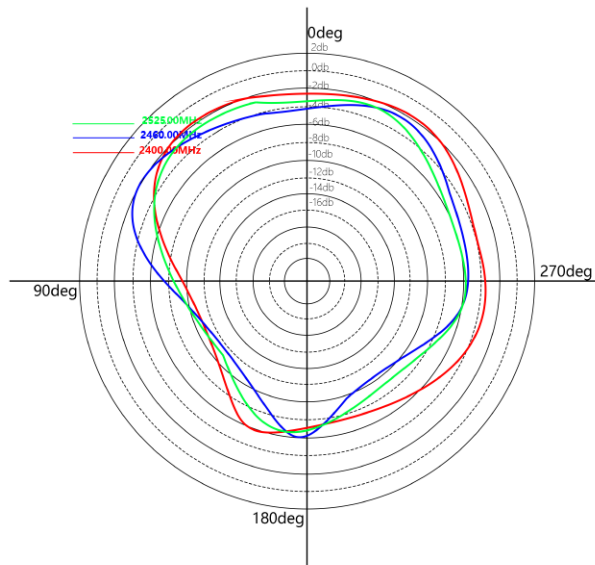


Map 3 SWR



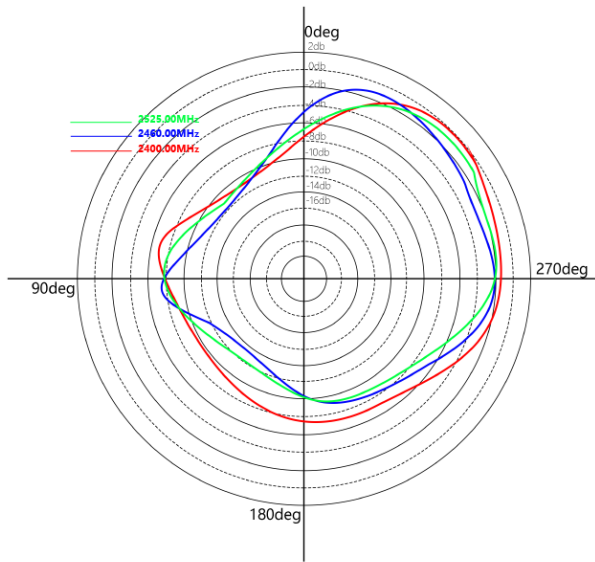
Frequency	Gain(max)
2400MHz	-2dBi
2460MHz	-1dBi
2525MHz	-1dBi

Map 4 XY plane



Frequency	Gain(max)
2400MHz	-2dBi
2460MHz	-2dBi
2525MHz	-2dBi

Map 5 XZ plane



Frequency	Gain(max)
2400MHz	0dBi
2440MHz	-1dBi
2525MHz	-1dBi

Map 6 YZ plane

5、Description

The antenna is very sensitive to the size of the PCB RF ground layer and the plastic case of the product. The antenna can be modelled as an LC resonator. When L (inductance) or C (capacitance) is increased, the resonant frequency of the LC resonator will decrease. Larger RF ground layers and plastic enclosures will increase the effective capacitance, thus decreasing the resonant frequency. When using, please pay attention to adjust the matching parameters according to the actual installation situation.

6、Contact us

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