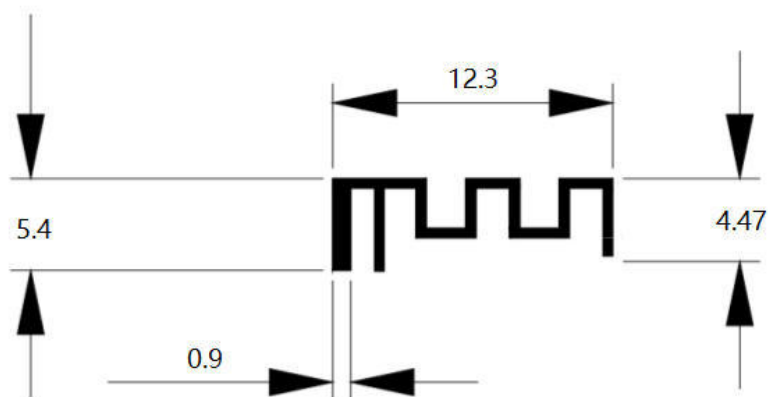


SPECIFICATION

1. Introduction of antenna

Our antenna is directly made on the Main PCB board. The antenna is copper potable tin injection process, copper foil thickness: 1OZ, sheet material is FR - 4 thickness 1.6mm material.

2. Antenna Shape Size:



3 . Antenna parameters

The antenna operates at 2400-2500MHz and generates resonance in this frequency band. The next table is the main parameter of the antenna.

The antenna	
Frequency (MHz)	2400-2500MHz
VSWR	≤ 1.92
Impedance	50 Ohm Nominal
Return Loss	-8.5 dB Max
Radiation	Omni-directional
Gain (Peak)	0.00 dBi
Polarization	Linear, Vertical
Admitted Power	2W
Connector	Tin

4. Antenna gain detection report

Spectrum Detector:	Agilent E5071B	Test Date :	Mar 15, 2019
Test By:	Tang	Temperature :	21°C
Test Result:	PASS	Humidity :	65 %
Modulation:	GFSK		

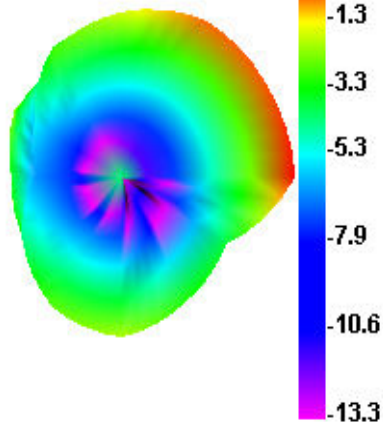
Maximum gain value

Frequency VNA (MHz)	Max Gain (dB)
2400	0.07
2410	-0.35

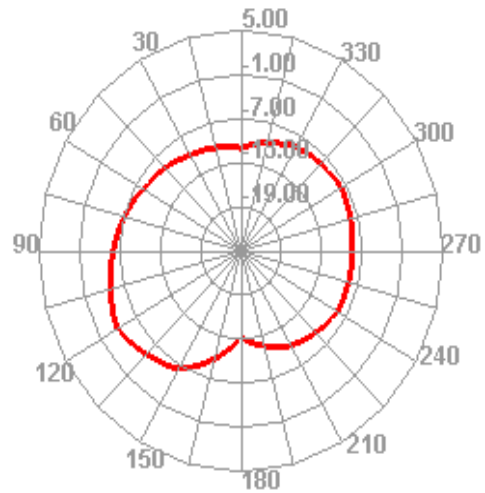
2420	-0.1
2430	-1.19
2440	-1.64
2450	-0.39
2460	-1.12
2470	-1.18
2480	0.00
2490	-1.28
2500	-1.32

Directional map:

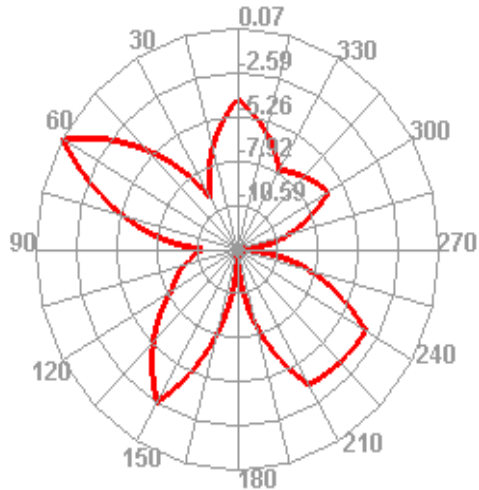
2400.000MHz



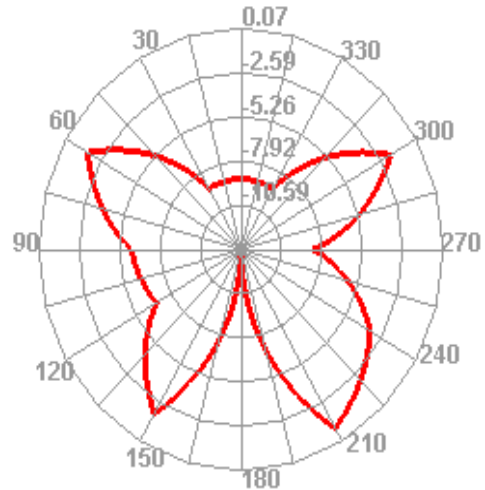
2400.000MHz H

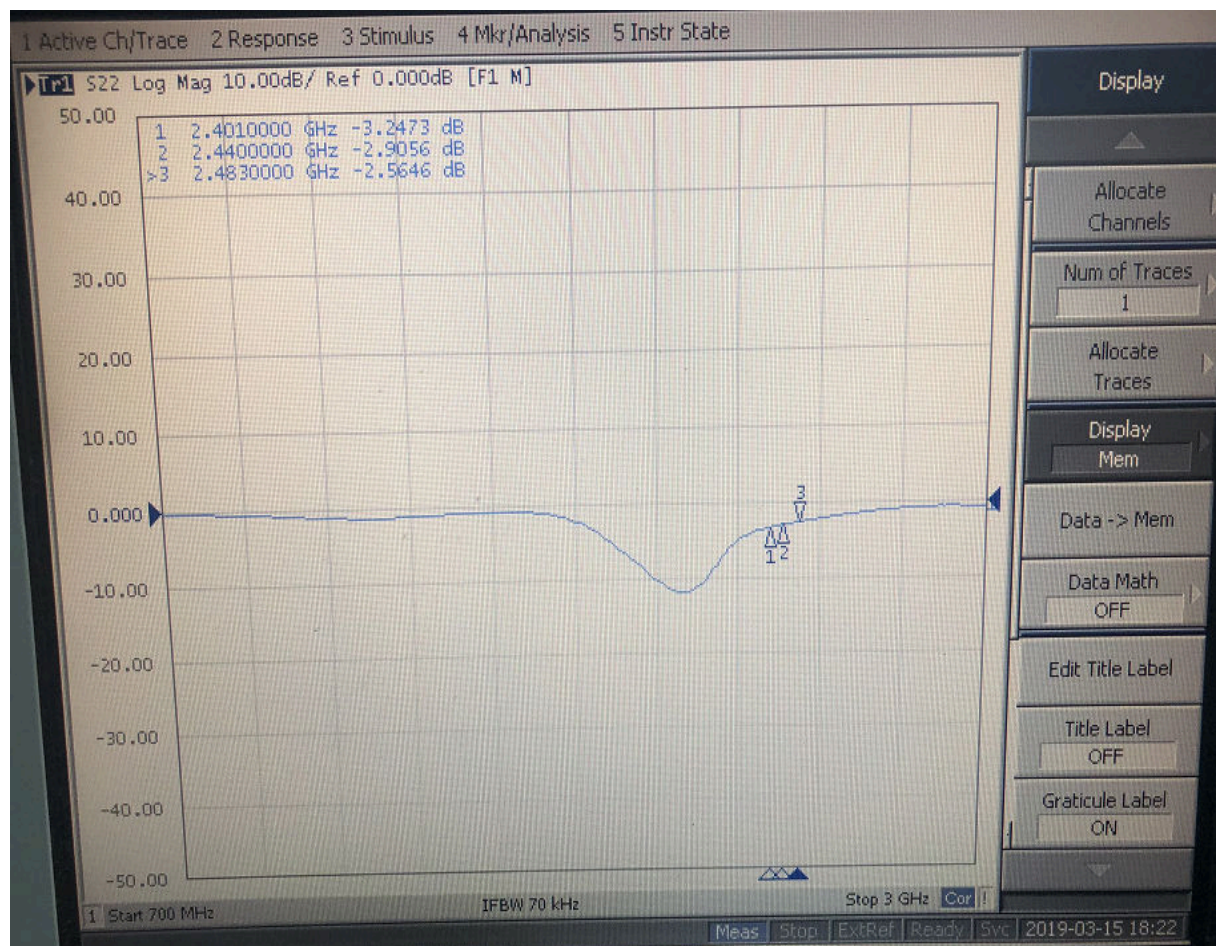


2400.000MHz E1



2400.000MHz E2





Manufacturer: Taizhou Jiaojiang Yingxing Electronic Co.,Ltd
No. 69 Hong Lin RD., Hongjia Taizhou, China