

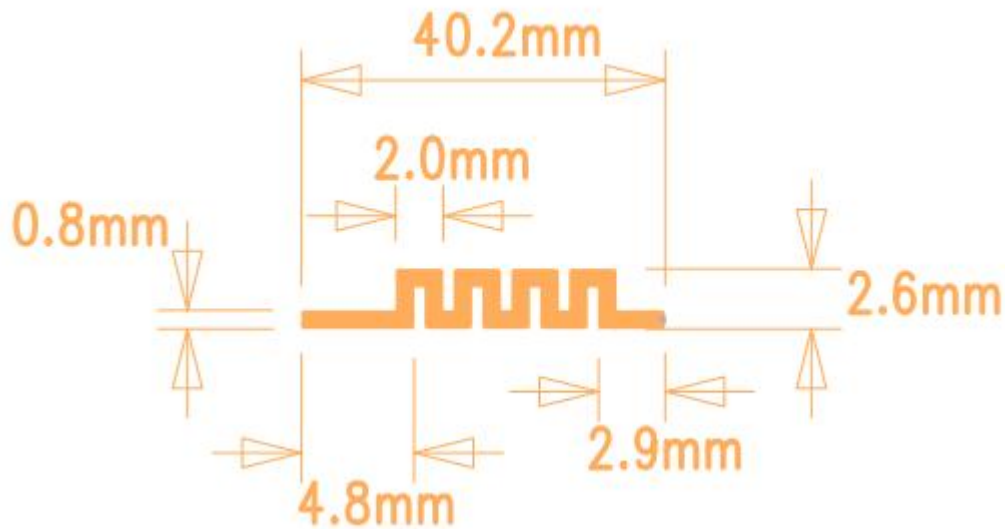
SG5 Antenna specification

1. Antenna introduction

The 2.4G module antenna is directly used on the PCB.

Manufacturer: Xiwang Industrial District, Tiantangwei, Fenggang Town, Dongguan City, Guangdong, China

2. Antenna shape



3. Specifications

Dimensions (mm)	40.2 (L) x 0.8 (W)
Thickness	0.8mm
Material	Copper Gold

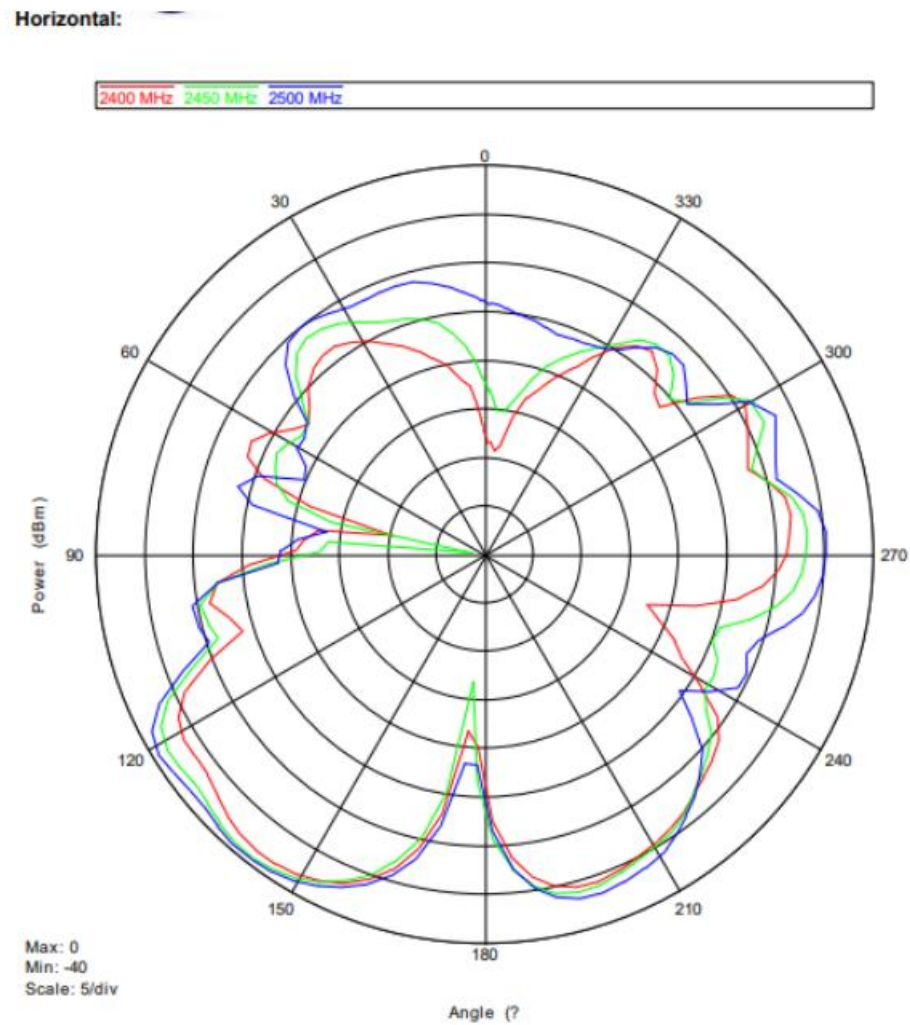
4. Antenna parameter

The 2.4G antenna operates at 2405–2476MHz and generates resonance in thisband.
The table below shows the main parameters of the antenna.

Frequency	2405–2476MHz
VSWR	≤2.0
Impedance	50ohm
Return loss	–10dB Max
Radiation	Omni-directional
Gain (Peak)	0.55dBi
Polarization	Linear, Vertical
Admitted Power	1mW

5. Antenna horizontal test gain report

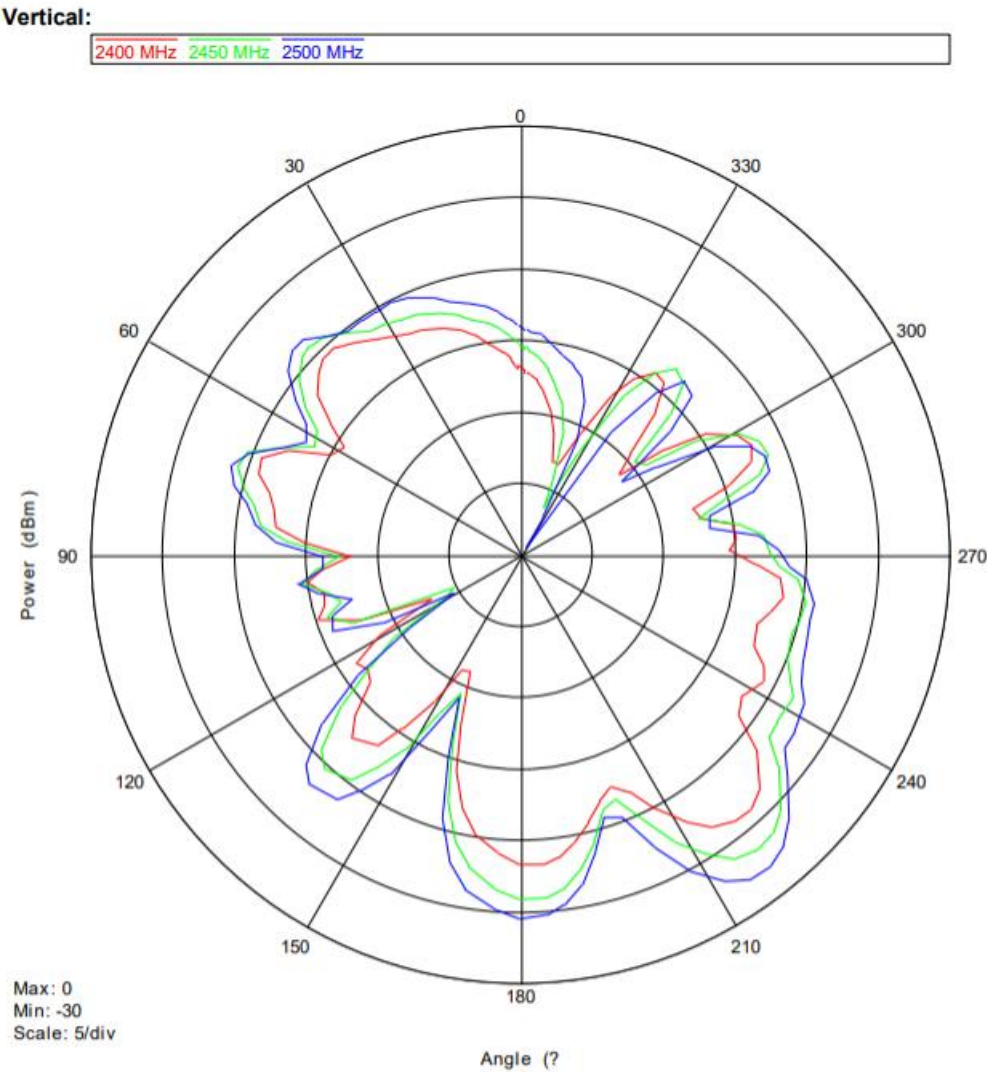
Direction map:



Frequency (MHz)	Gain(dBi)		
	Max.	Min.	Avg.
2400	-1.66179	-30.2813	-8.78713
2450	-0.847811	-38.7595	-7.87812
2500	-0.615596	-23.6329	-6.99139

6. Antenna vertical test gain report

Direction map:



Frequency (MHz)	Gain(dBi)		
	Max.	Min.	Avg.
2400	-6.1623	-23.1425	-12.5295
2450	-3.6534	-26.2866	-10.6699
2500	-2.21101	-29.4381	-9.58526