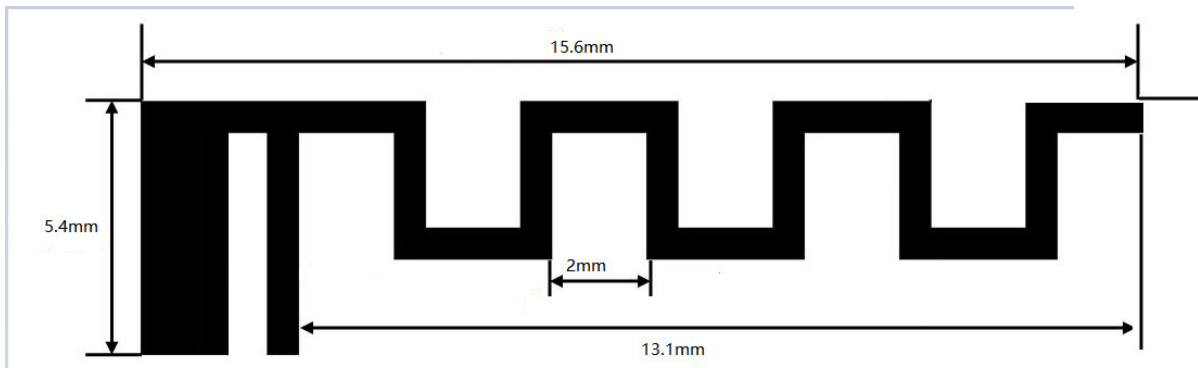

Antenna specification

一、Antenna introduction

The Bluetooth module antenna is directly used on the PCB board.

二、Antenna configuration



三、 Antenna parameter

The Bluetooth antenna operates at 2400-2500 MHz and generates resonance in this band. The table below shows the main parameters of the antenna.

Frequency(MHz)	2400 ~ 2500 MHz
VSWR	≤ 1.92
Impedance	50 Ohm Nominal
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	1.08443dBi
Polarization	Linear, Vertical
Admitted Power	2W
Connector	Tin
Manufacture	JIANJIAWEIDU TECHNOLOGY Co.,LTD.

四、Antenna gain report

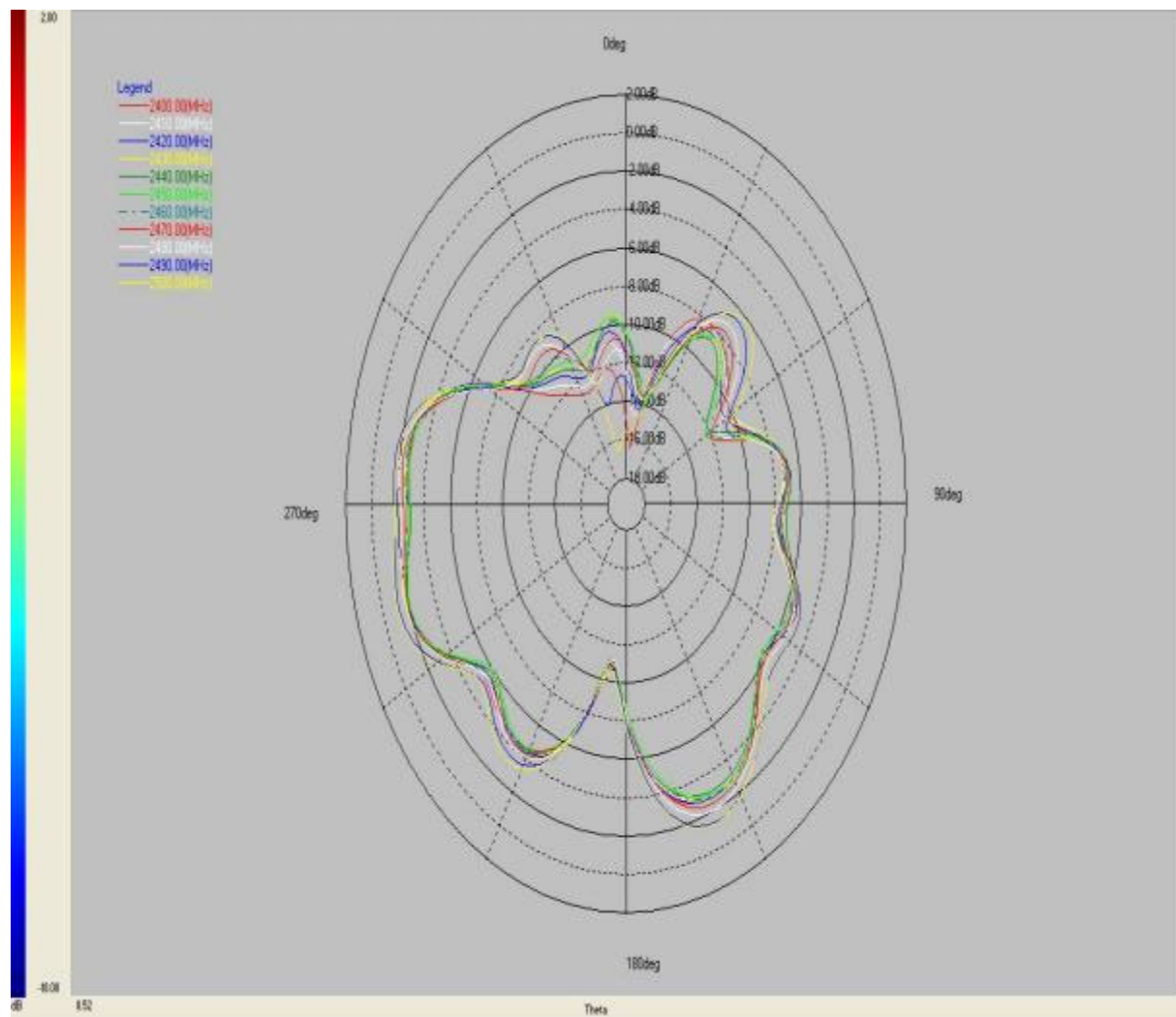
Spectrum Detector:
Test By:
Test Result:
Modulation:

PK
Rick
PASS
GFSK

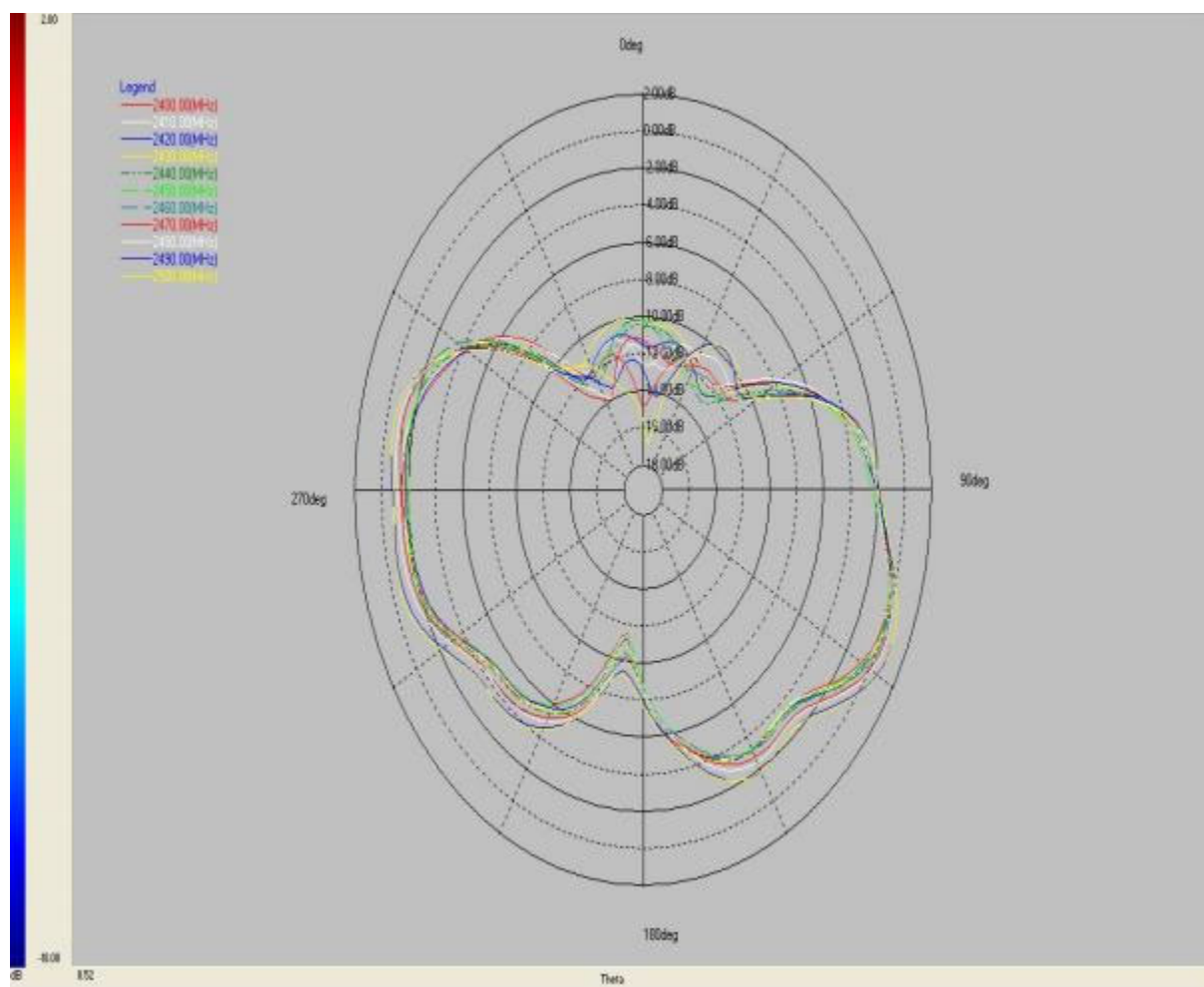
Test Date : June 8, 2023
Temperature : 28°C
Humidity : 55 %

Frequency VNA (MHz)	E Total. dB(dB)
2400MHz	0.0403503
2410MHz	0.0886264
2420MHz	0.267381
2430MHz	0.193012
2440MHz	0.26366
2450MHz	0.0723139
2460MHz	0.36895
2470MHz	0.551525
2480MHz	0.640702
2490MHz	1.05232
2500MHz	1.08443

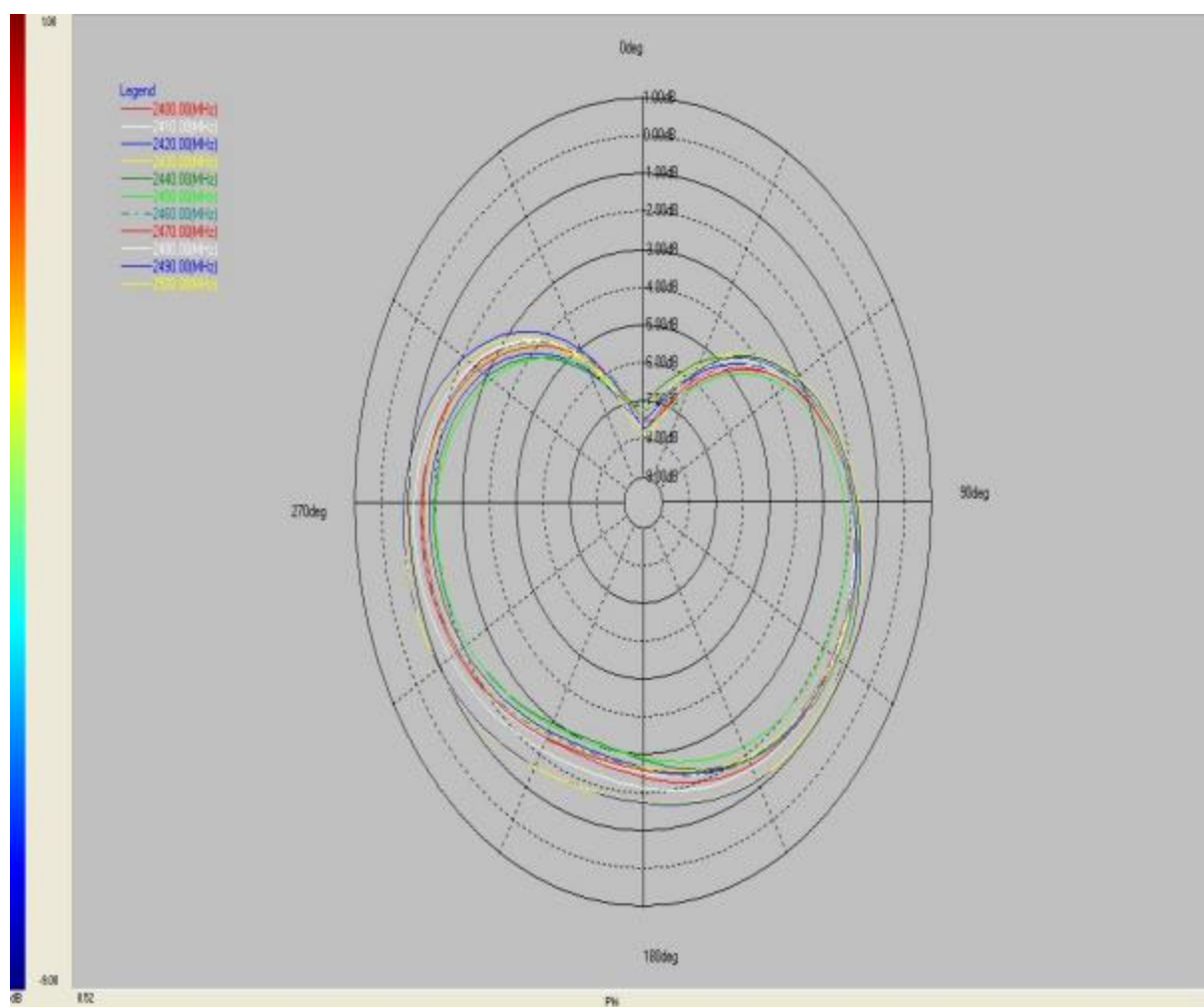
Direction map:



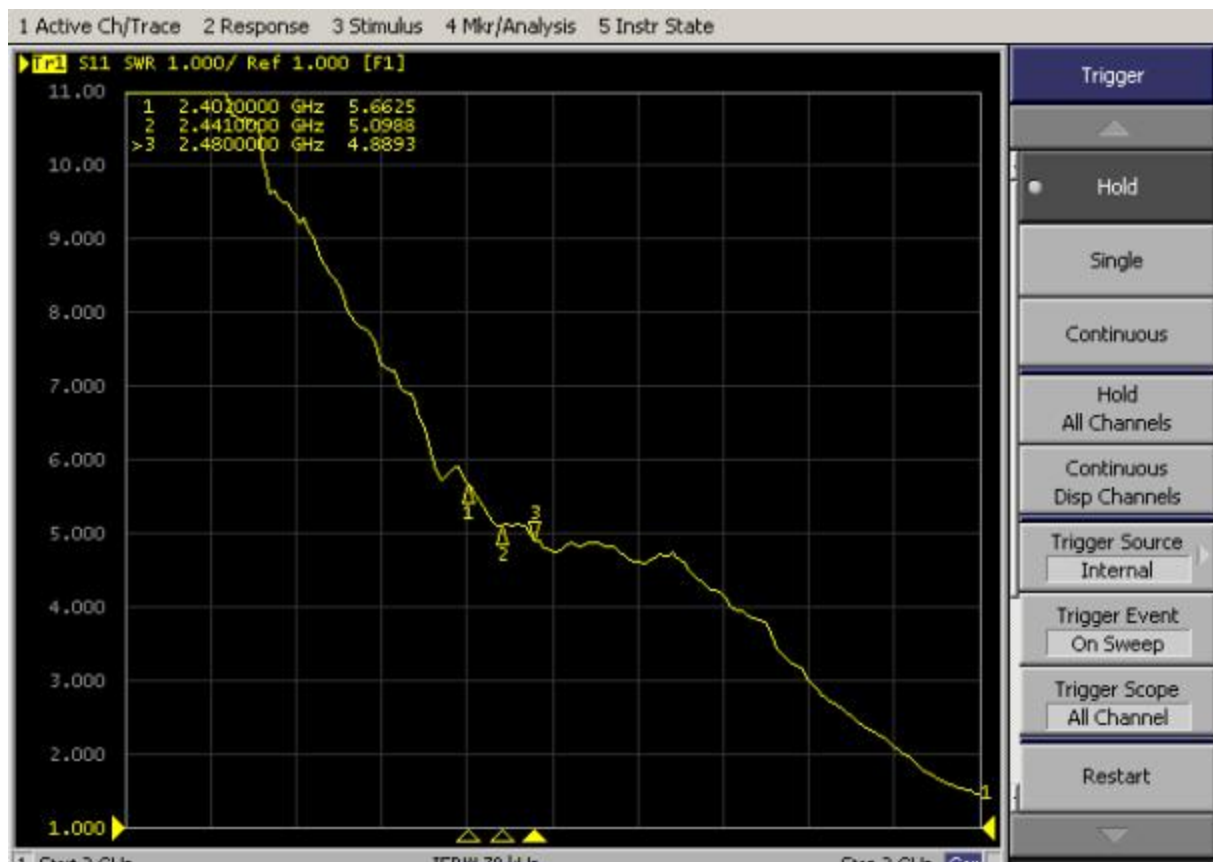
PHI 0°



PHI 90°



驻波比圖：



Product Description