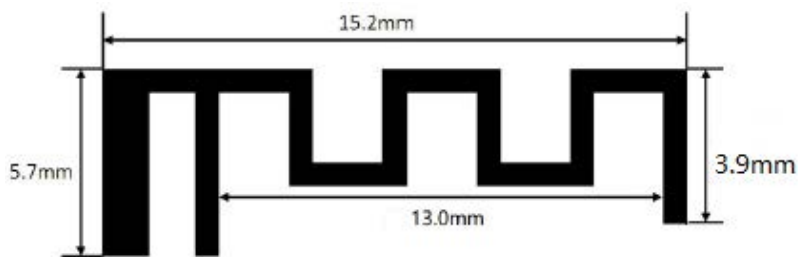

Antenna specification

一、Antenna introduction

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

Manufacture: Jiangmen MaiBao Optoelectronics Industrial Co., Ltd

二、Antenna appearance



三、Antenna parameter

The Bluetooth antenna operates at 2402–2500MHz, and resonates in this band. The following table shows the main parameters of the antenna.

Bluetooth PCB antenna	
Frequency (MHz)	2402 ~ 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

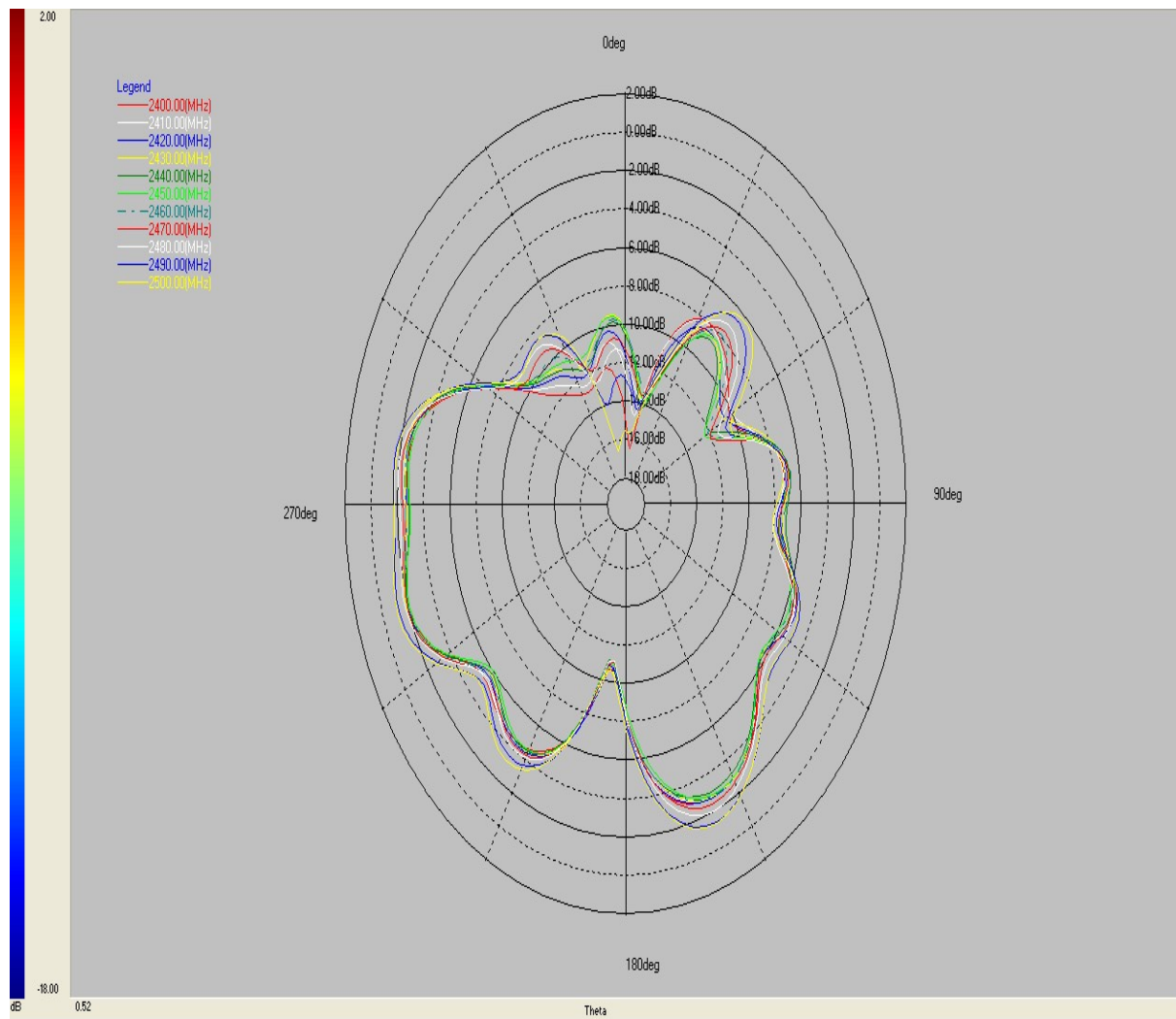
四、Antenna gain detection report

Spectrum Detector: PK
Test By: Andy
Test Result: PASS
Modulation: GFSK

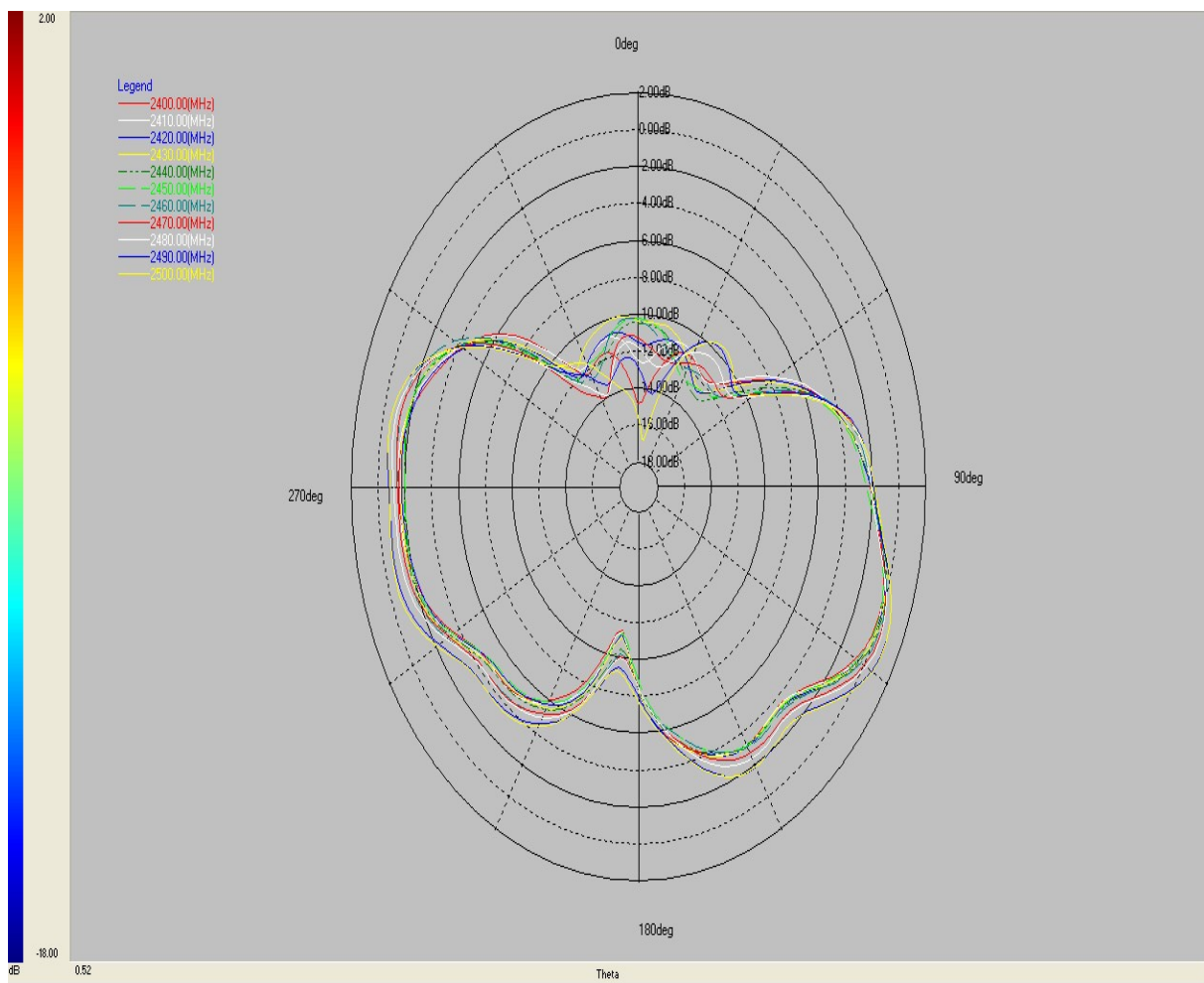
Test Date : June 8, 2013
Temperature : 28℃
Humidity : 55 %

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

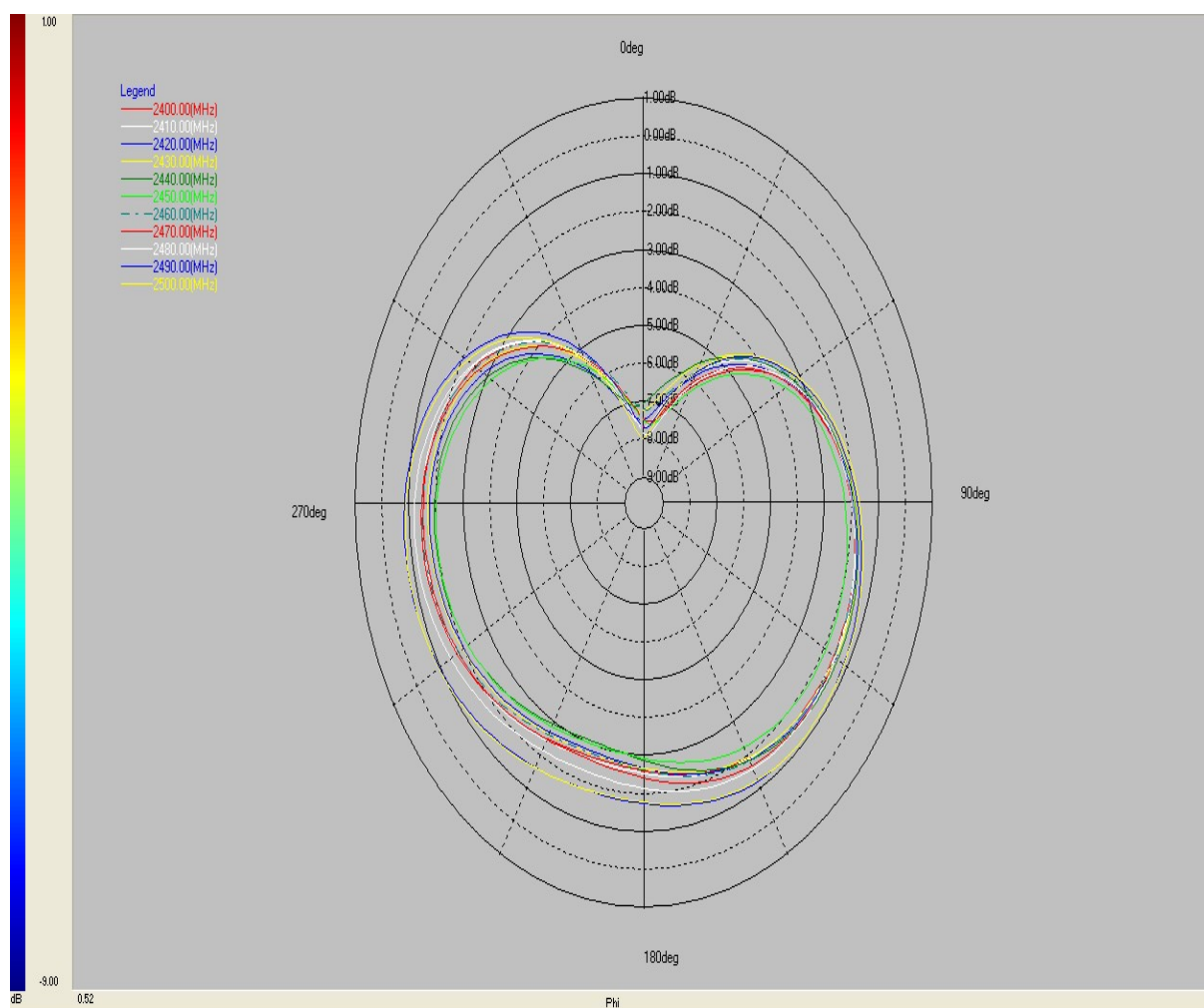
Directional diagram:



PHI 0 度



PHI 90 度



THETA 90 度

Standing poppy chart:

