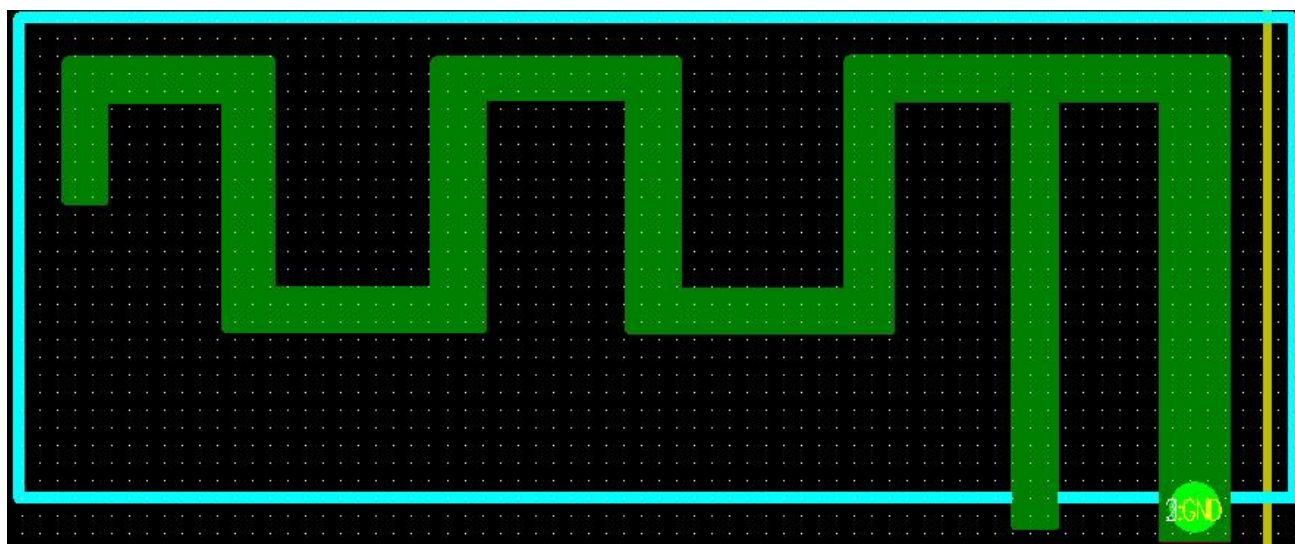


Bluetooth antenna specification

一、Antenna profile

Bluetooth antenna is directly used on the PCB board

二、Antenna profile



三、Antenna parameter

The Bluetooth antenna operates at 2400-2500 MHz and generates resonance in this frequency band, The following table shows the main parameters of the antenna:

Bluetooth built-in 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
Antenna Type	ANT-PCB-2.4G
Manufacture	Shenzhen Zhongxin Da Technology Co. LTD
Address	3rd Floor, Building C, Fusen Industrial Zone, Phase II, Huafeng International Robot Industrial Park, Hangcheng Avenue, Bao 'an District, Shenzhen, Guangdong,China

四、Antenna gain detection report

Spectrum Detector: PK Test Date : June 8, 2013

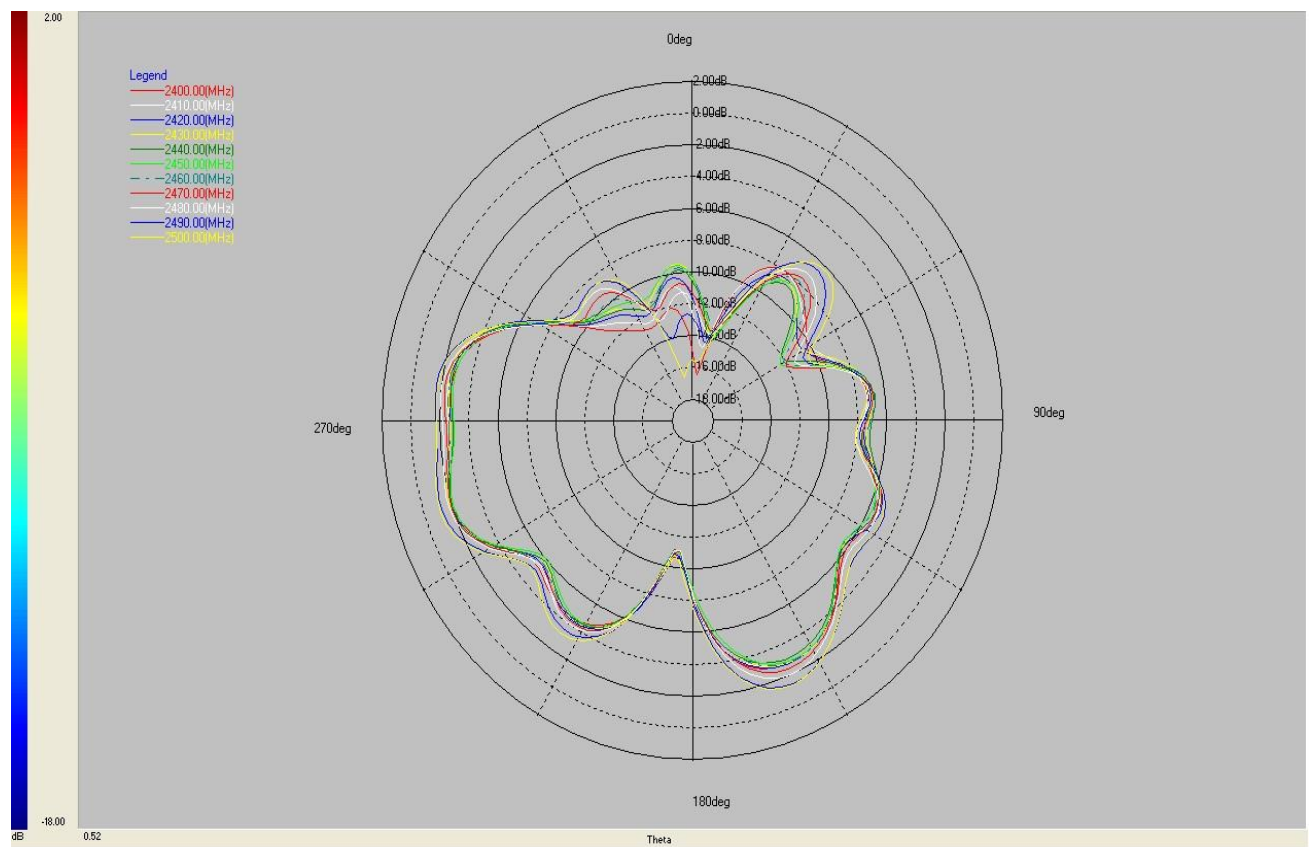
Test By: Andy Temperature : 28°C

Test Result: PASS Humidity : 55 %

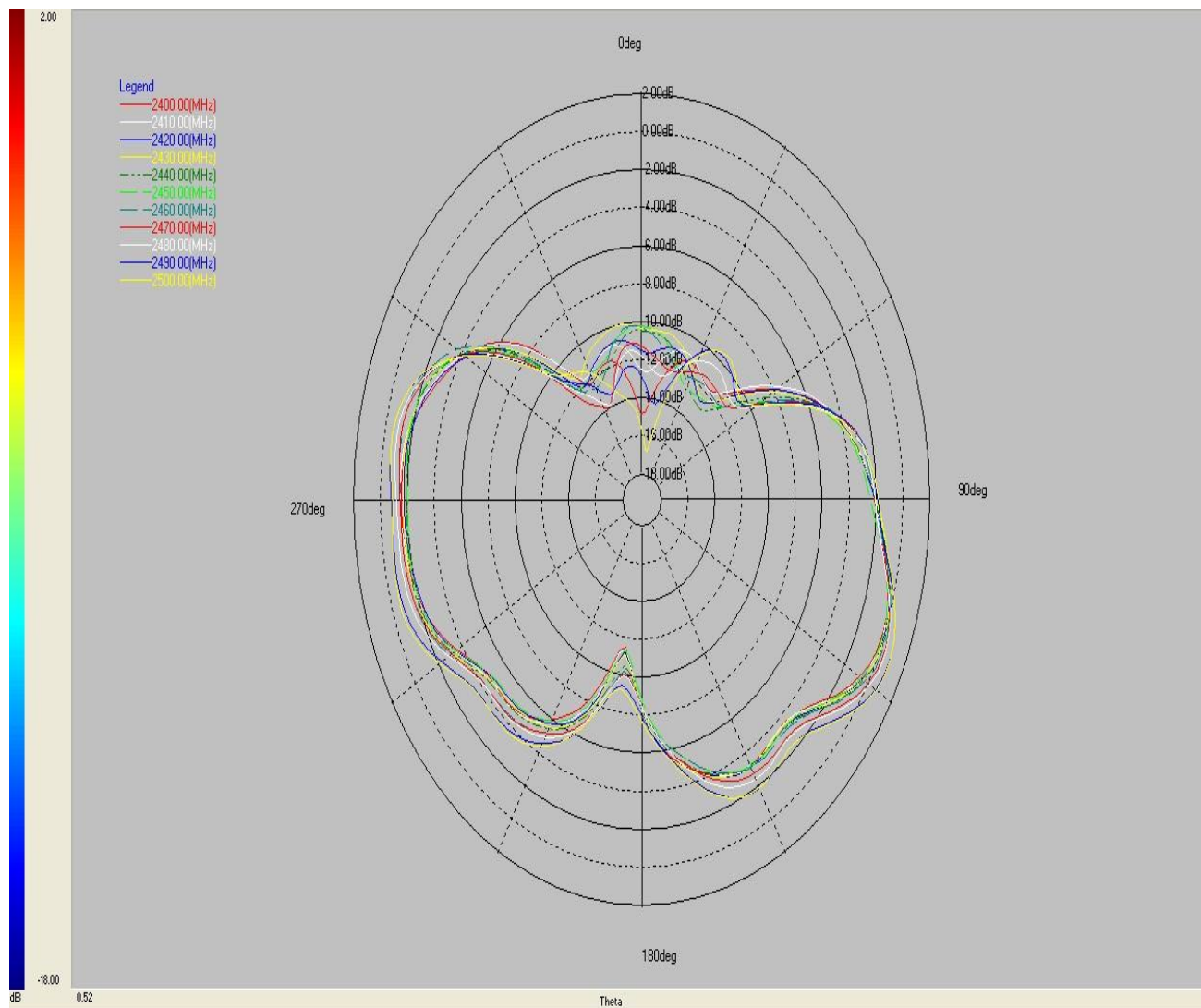
Modulation: GFSK

Frequency VNA	Separation Read (MHz)	E Total. dBi(dBi)
	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

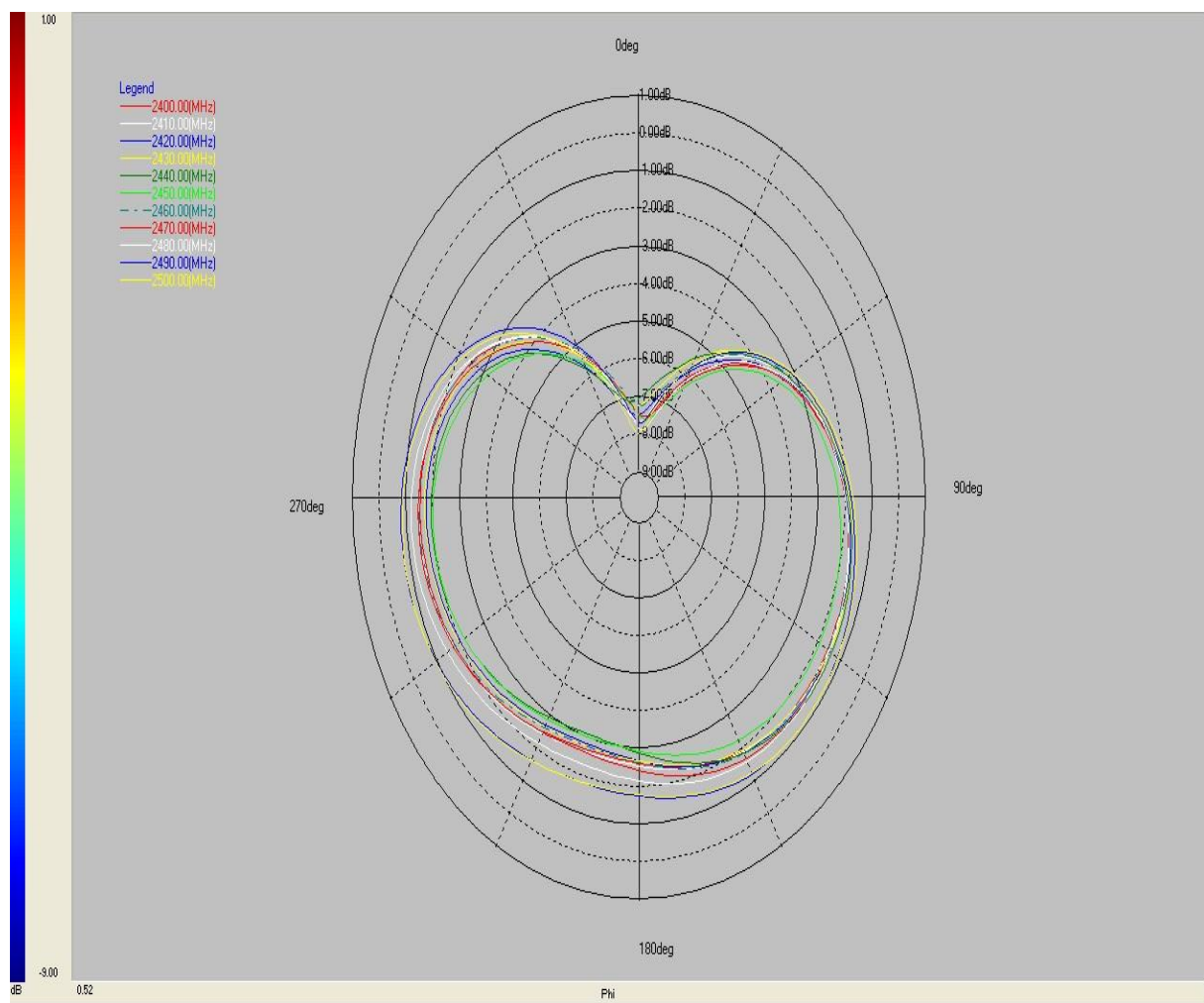
Direction chart:



PHI 0 degree



PHI 90 degree



THETA 90 degree

Standing poppy diagram:

