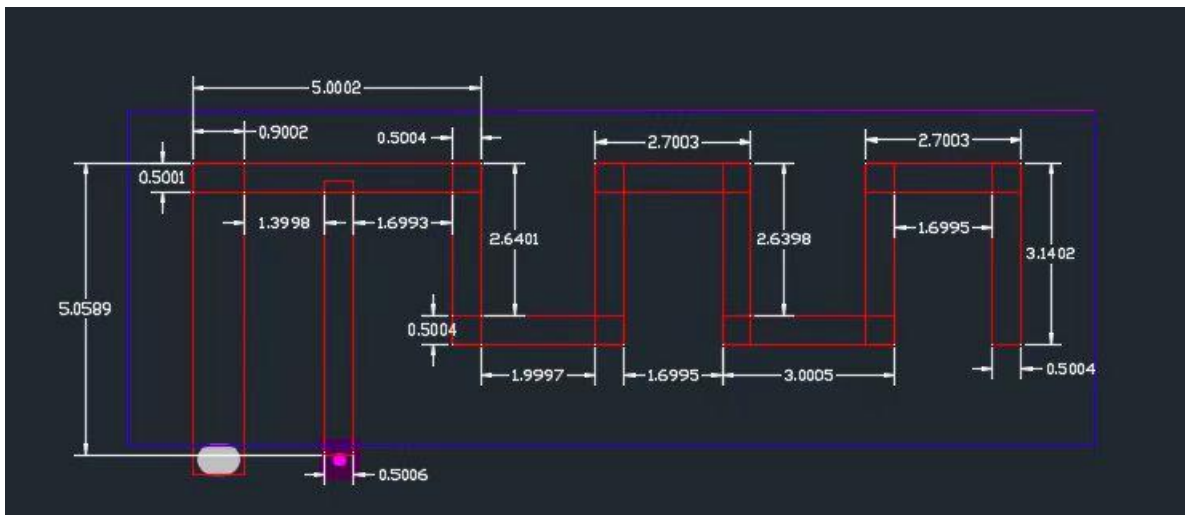

GF111 Bluetooth antenna specifications

I. Brief introduction of antenna

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

II. Antenna shape



III. Antenna parameters

The working frequency of the Bluetooth antenna is 2402-2480MHz, which produces resonance in this frequency band. The following table shows the main parameters of the antenna.

Bluetooth built-in antenna	
Frequency(MHz)	2402 ~ 2480 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

IV. Antenna gain test report

Spectrum Detector:

PK

Test Date :

June 8, 2013

Test By:

Andy

Temperature :

28°C

Test Result:

PASS

Humidity :

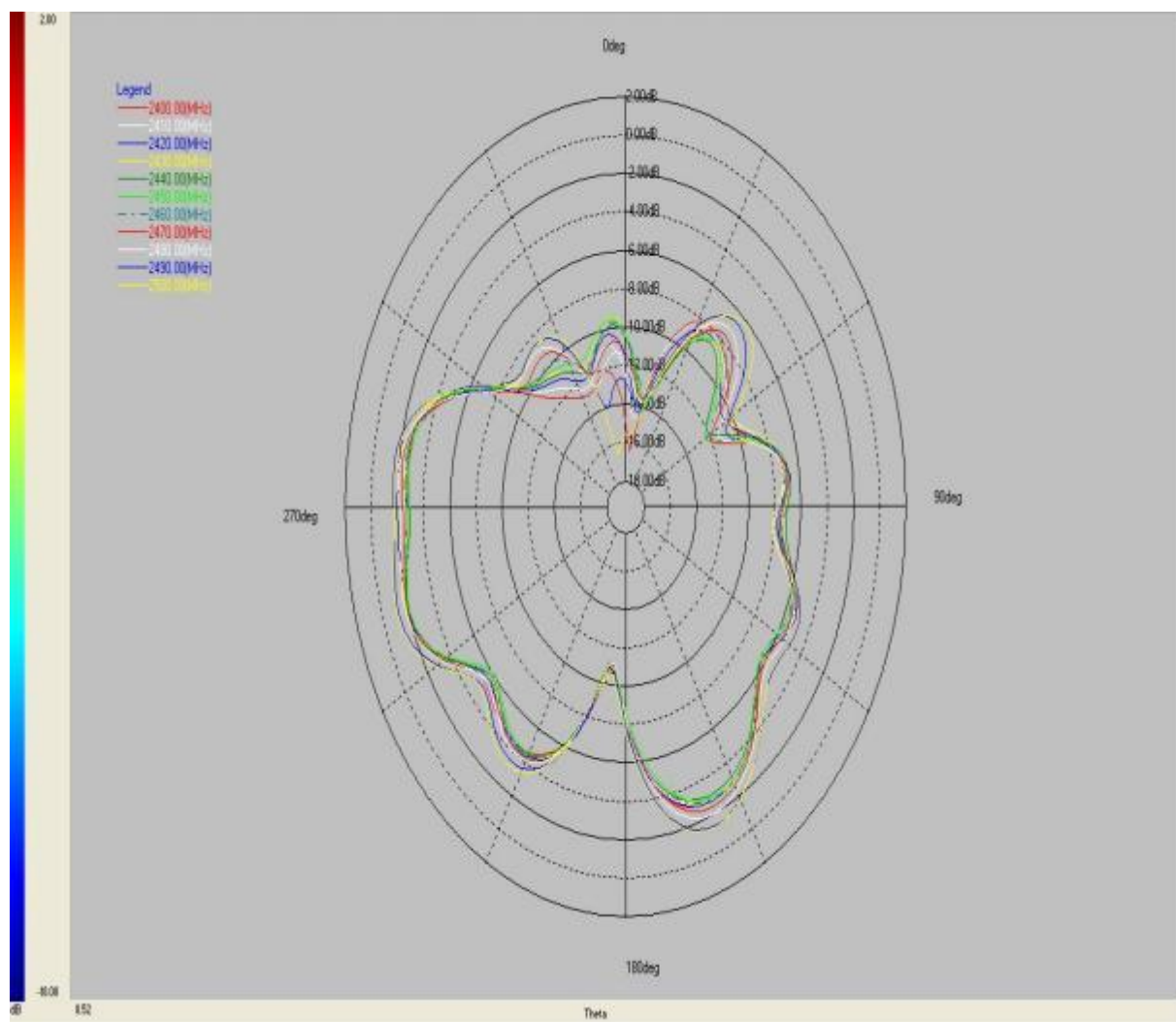
55 %

Modulation:

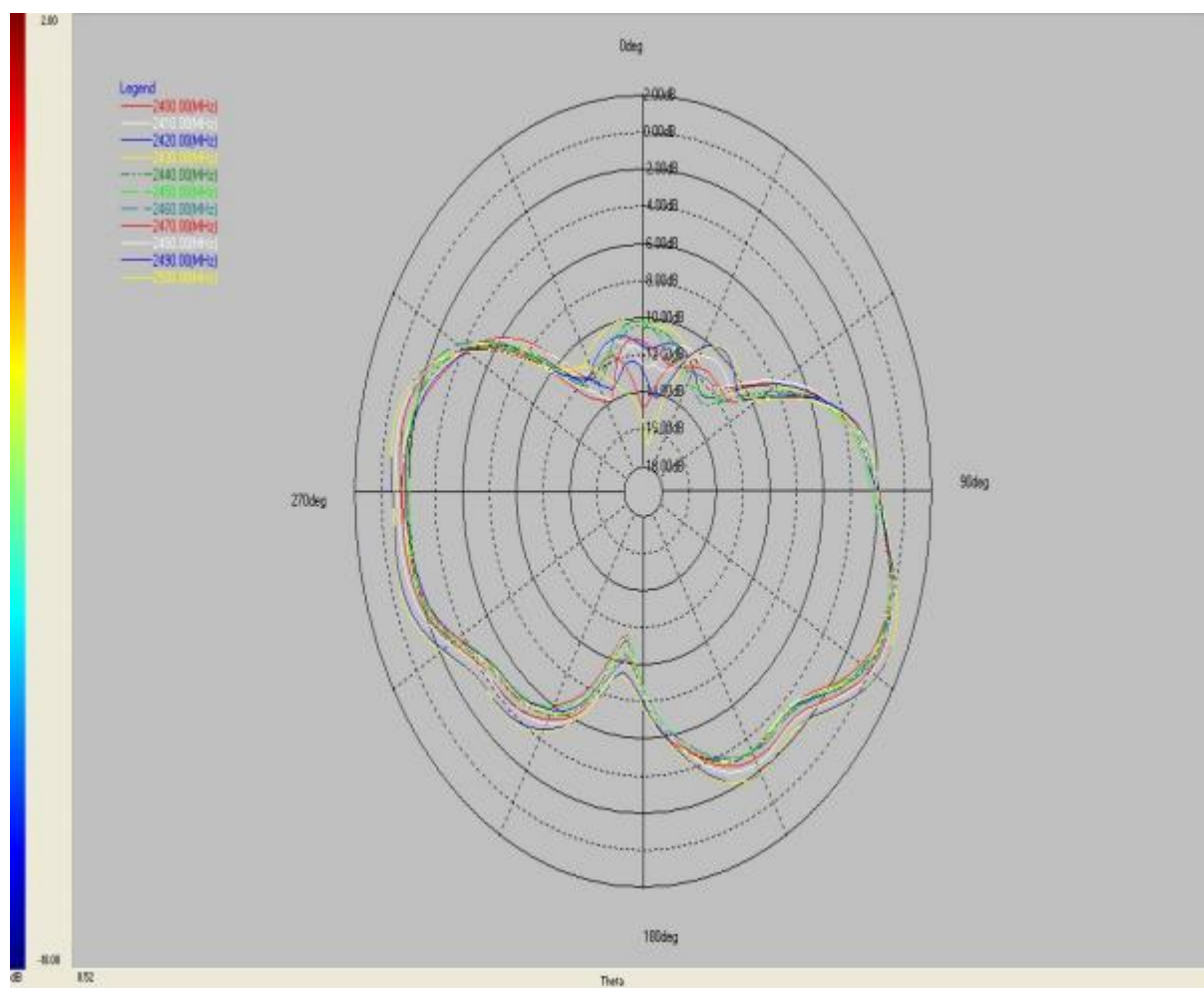
GFSK

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

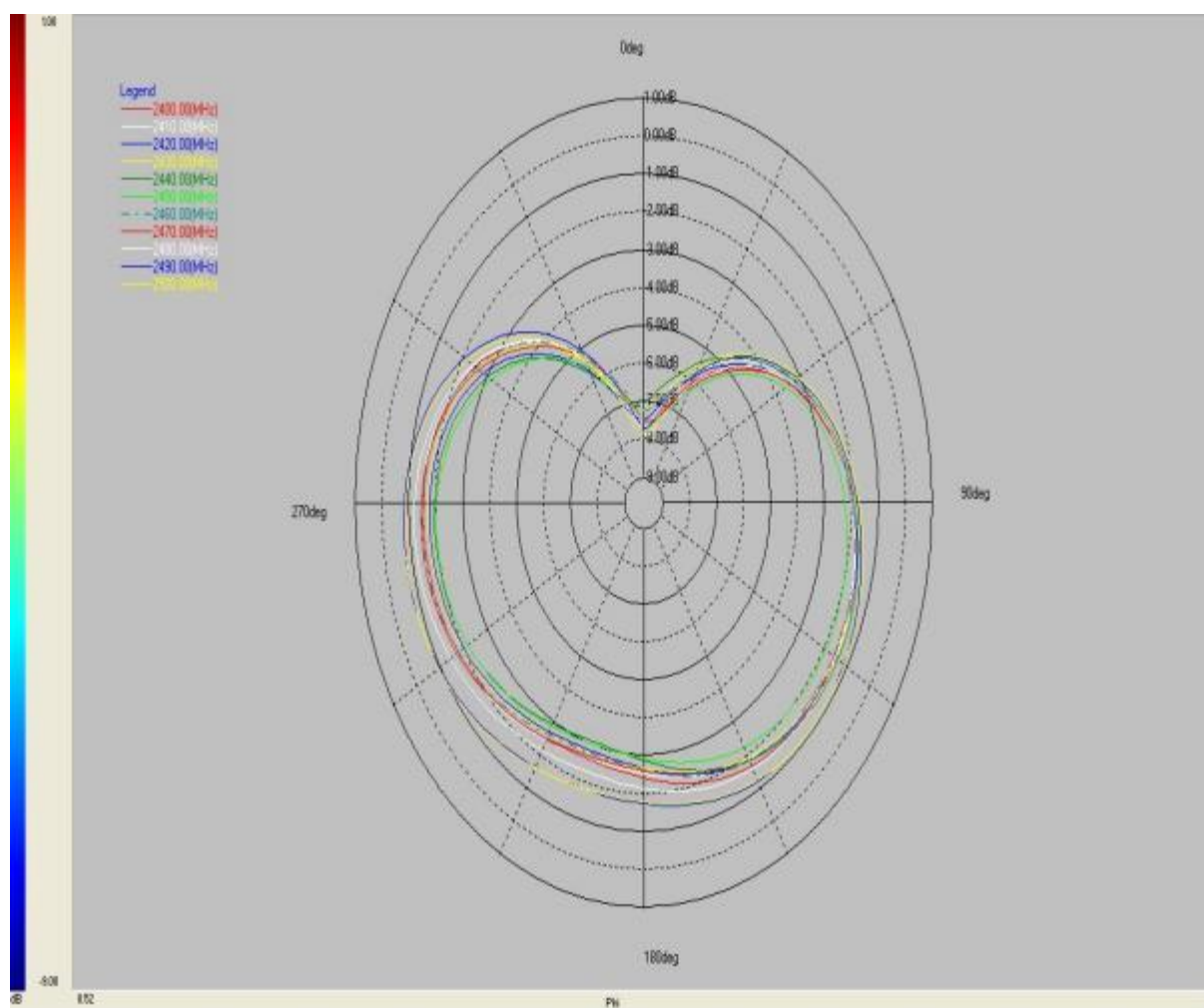
Direction map:



PHI 0



PHI 90



THETA 90

Resident Bobbi chart:

