

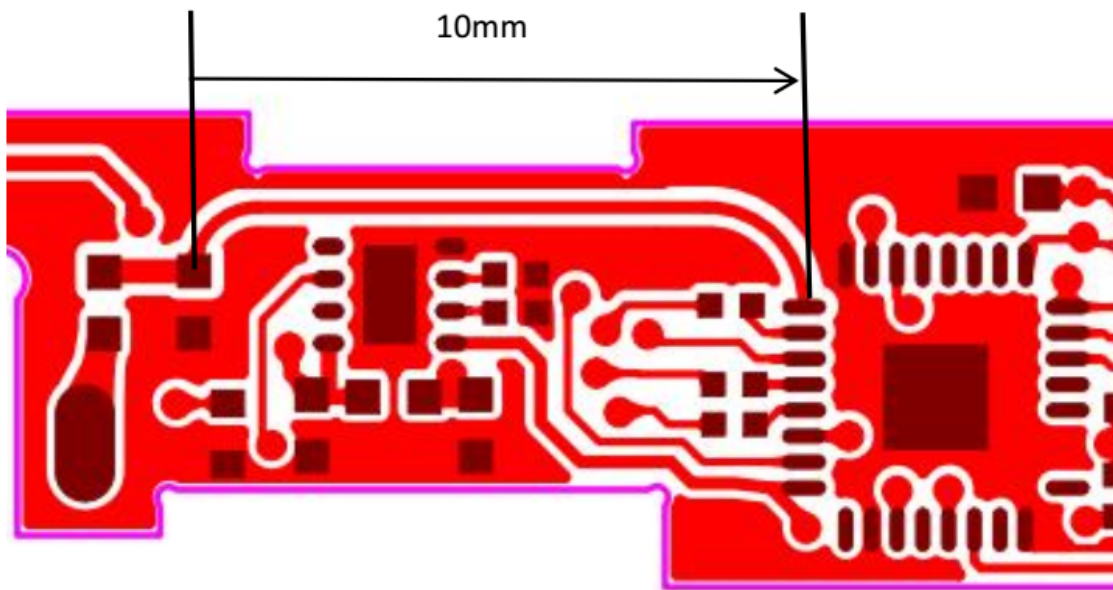
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# Bluetooth antenna specification

## 一、Antenna introduction

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

## 二、Antenna size diagram



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### 三、Antenna parameter

| PCB Antenna     |                  |
|-----------------|------------------|
| Frequency (MHz) | 2402 ~ 2480 MHz  |
| VSWR            | $\leq 1.92$      |
| 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    | PCB Antenna      |
| Antenna model   | WKZP027A Antenna |

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#### 四、Antenna gain detection report

Spectrum Detector:

PK

Test Date :

June 8, 2013

Test By:

Andy

Temperature :

28℃

Test Result:

PASS

Humidity :

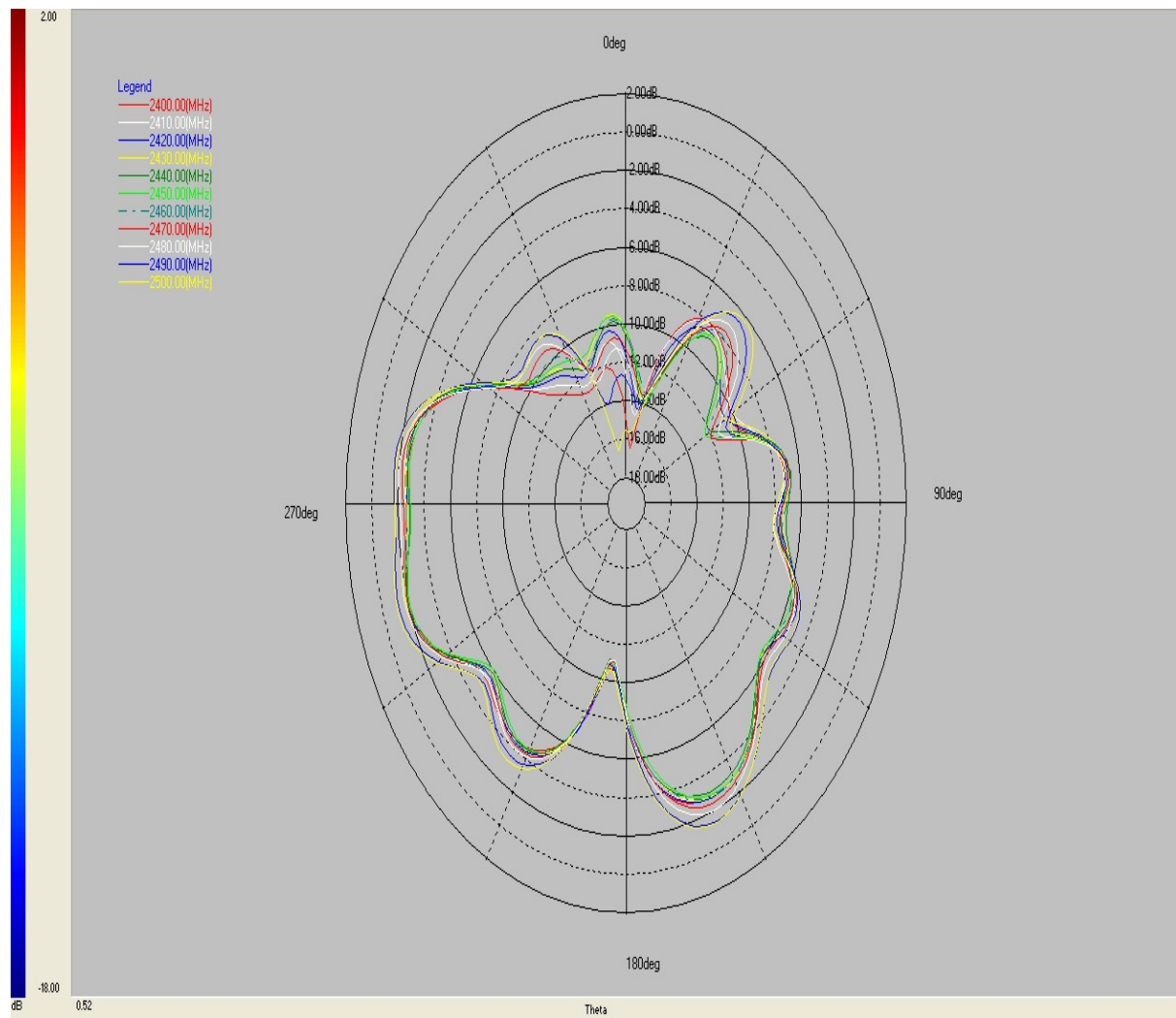
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Modulation:

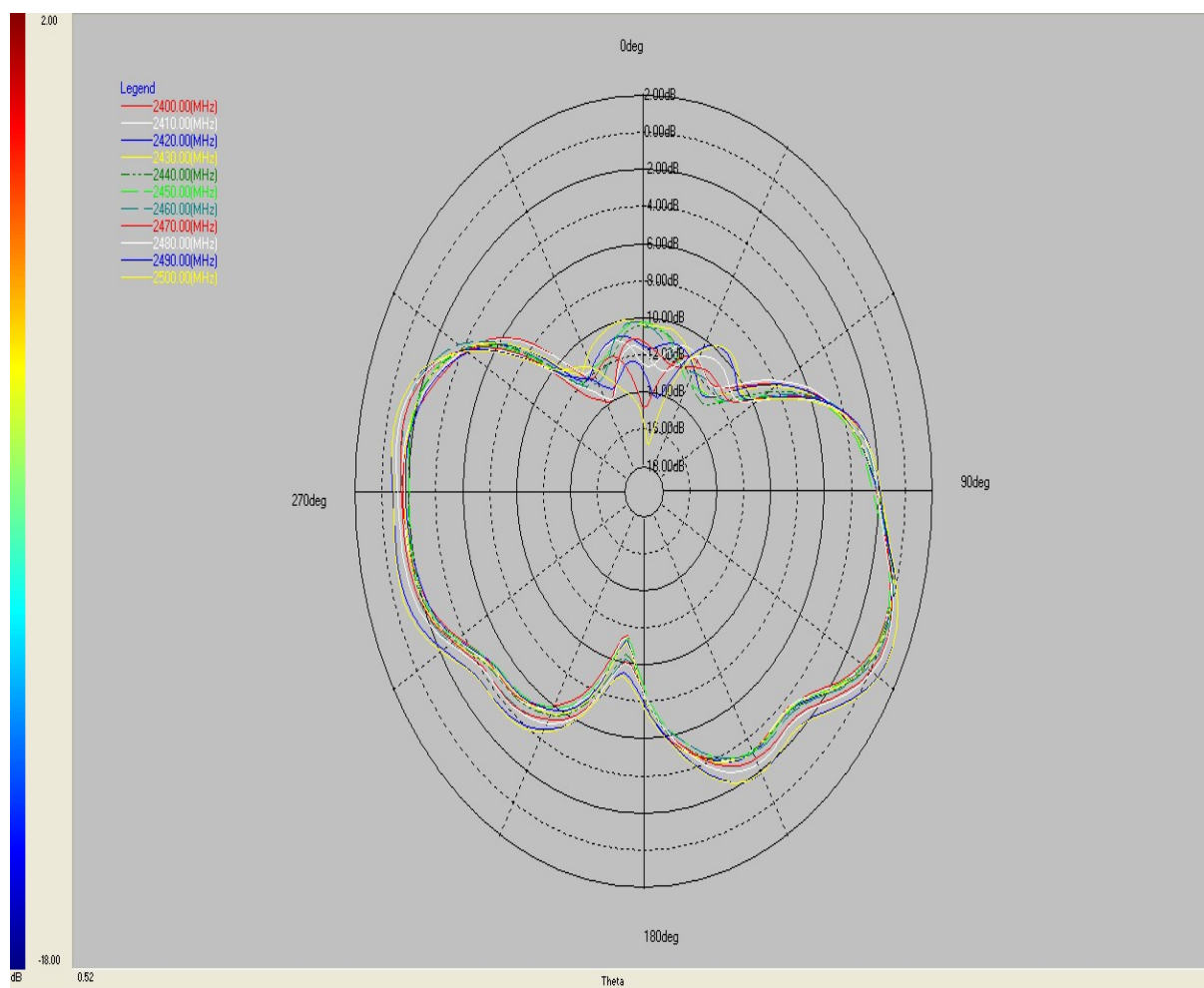
GFSK

| Frequency VNA<br>(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         |
|                        |                 |
|                        |                 |

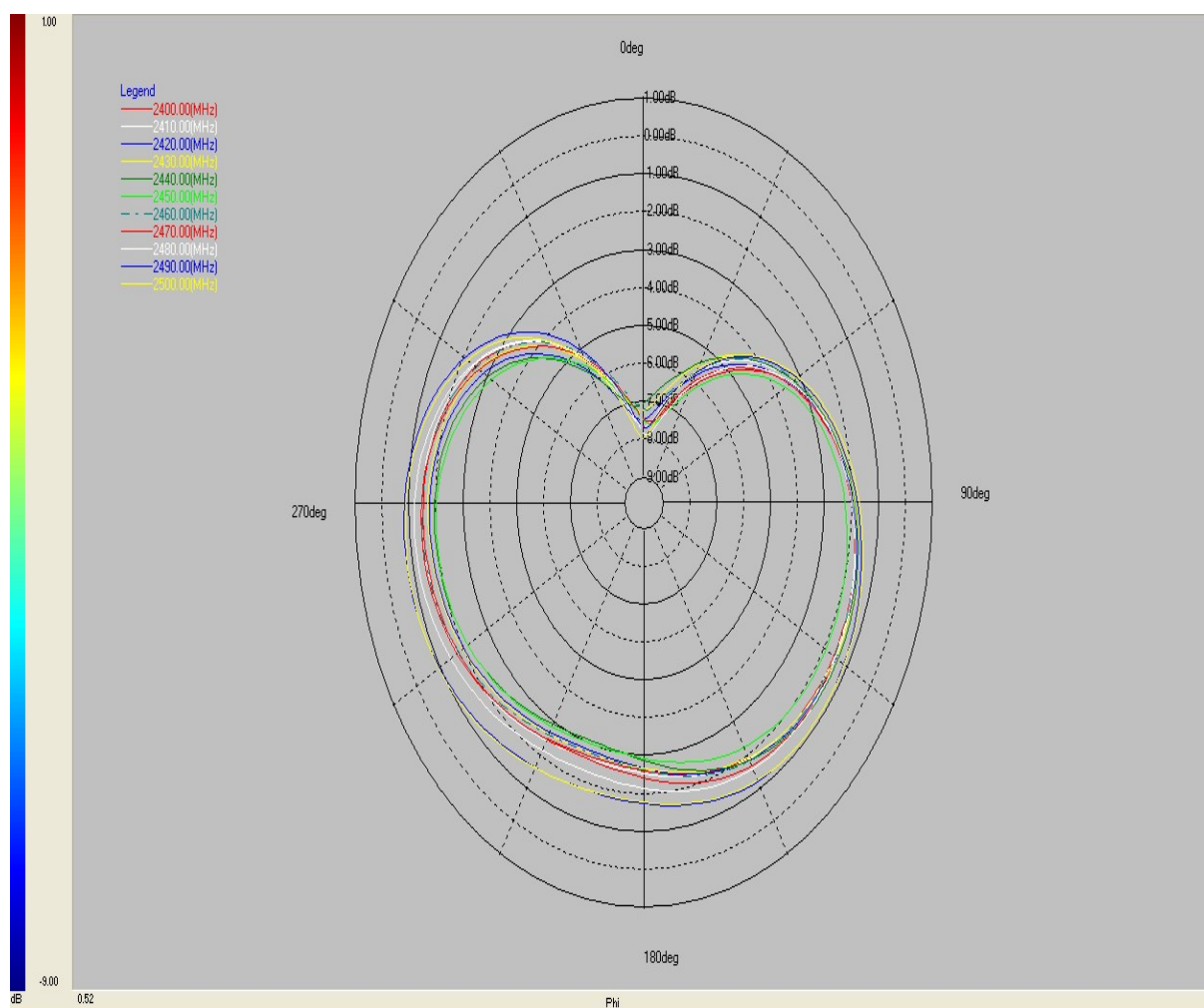
radiation pattern:



PHI 0°

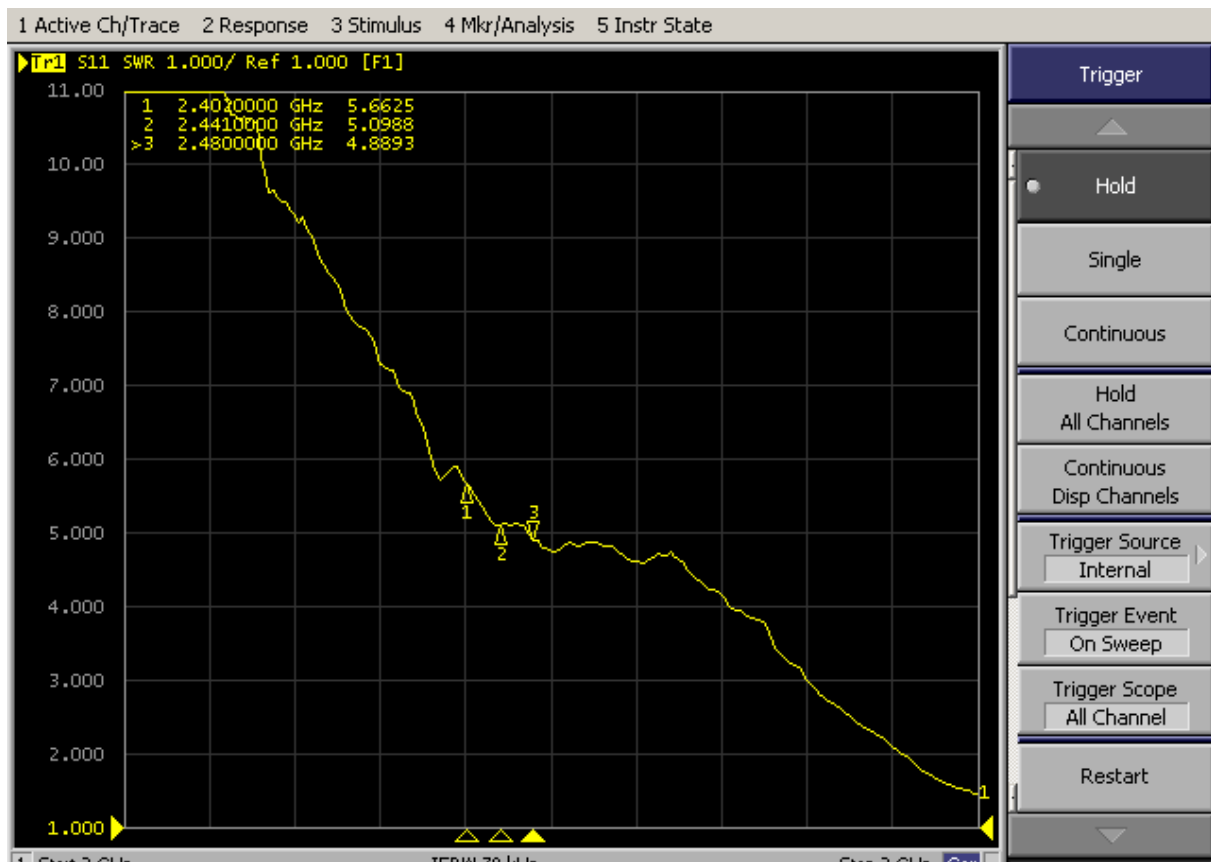


PHI 90°



THETA 90°

## VSWR:



### Product Description

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