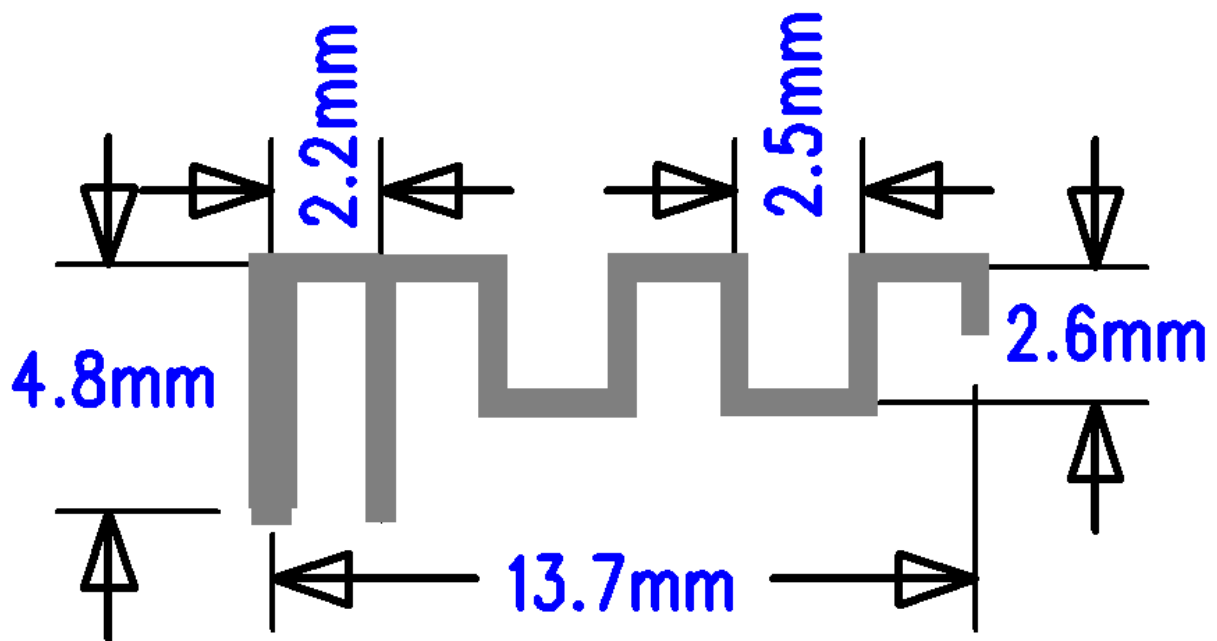


Specification for Taixu F-type Bluetooth Antenna

1. Introduction to antenna

Bluetooth antenna is directly installed on PCB

2. Antenna profile



3. Antenna parameters

The operating frequency of the Bluetooth antenna is 2400-2500MHz, which generates resonance. 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

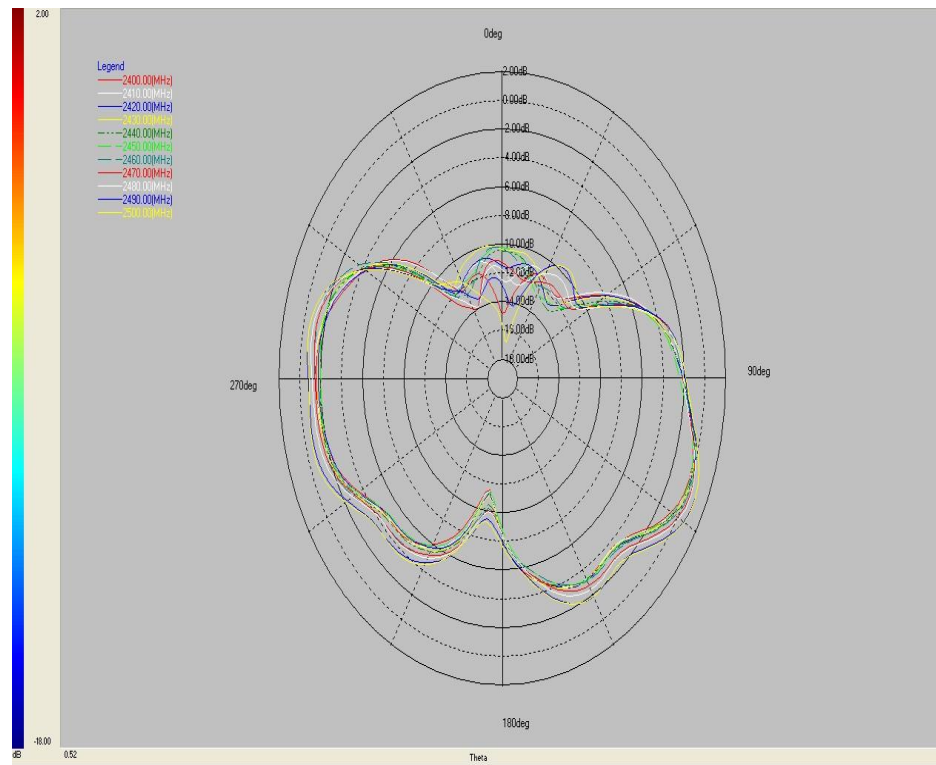
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	1.08dBi
Polarization	Linear, Vertical
Admitted Power	2W
Connector	Tin

4. Antenna gain test report

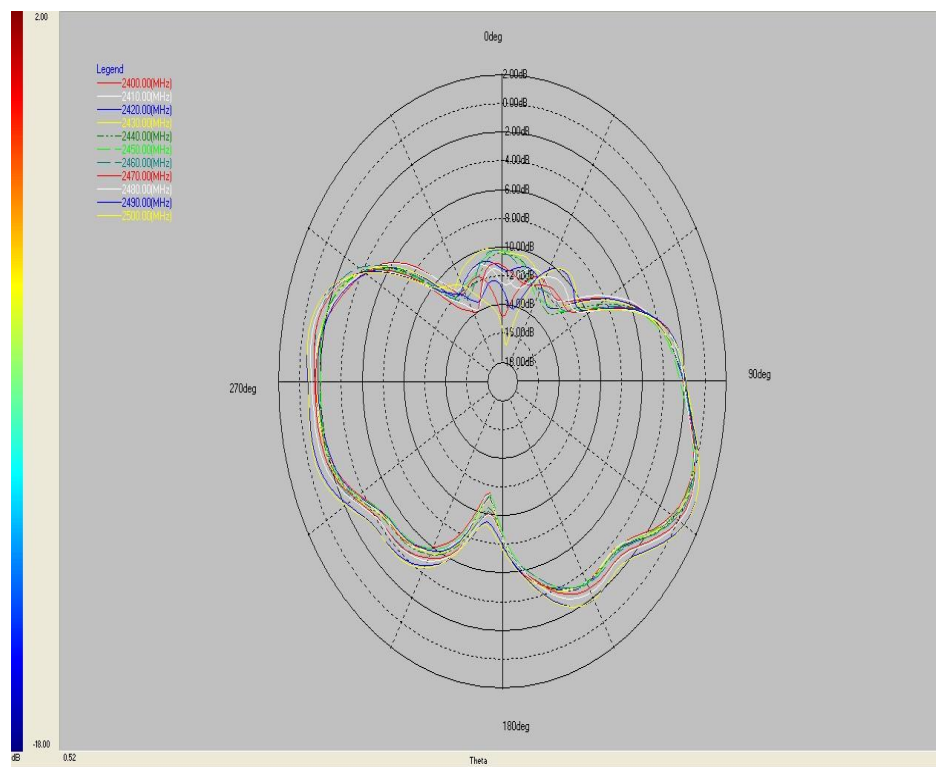
Spectrum Detector:	PK	Test Date :	June 8, 2013
Test By:	Andy	Temperature :	28°C
Test Result:	PASS	Humidity :	55 %
Modulation:	GFSK		

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

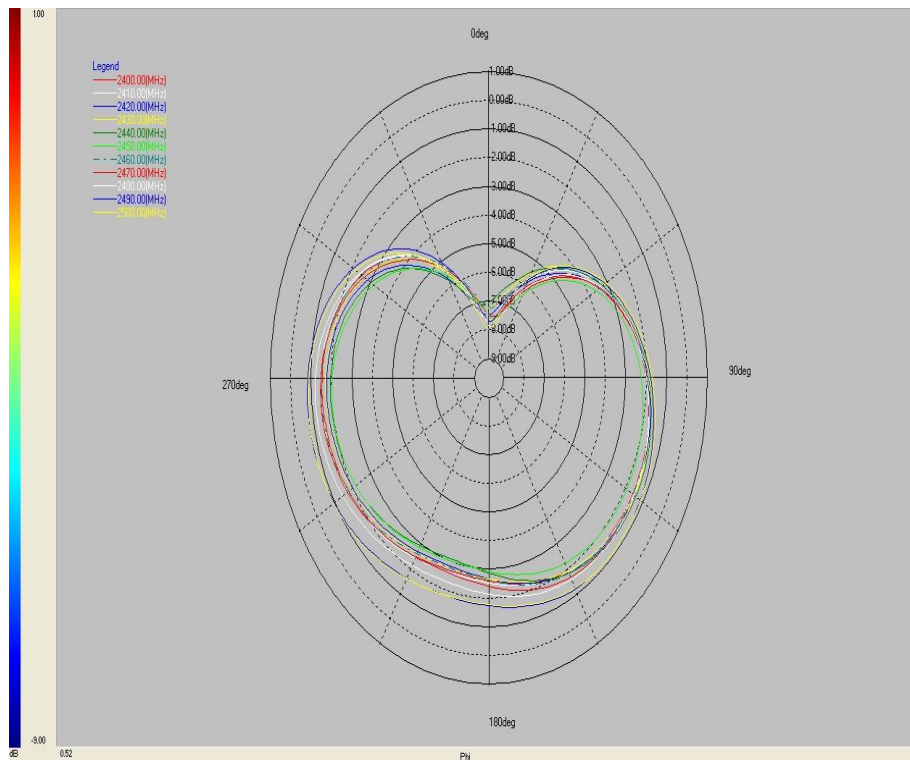
Pattern:



PHI 0 度



PHI 90 度



THETA 90 度

Standing wave ratio diagram:

