

蓝牙天线规格书

BT Antenna Specification

Manufacturer: Shenzhen Lenodell Technology Co., Ltd.

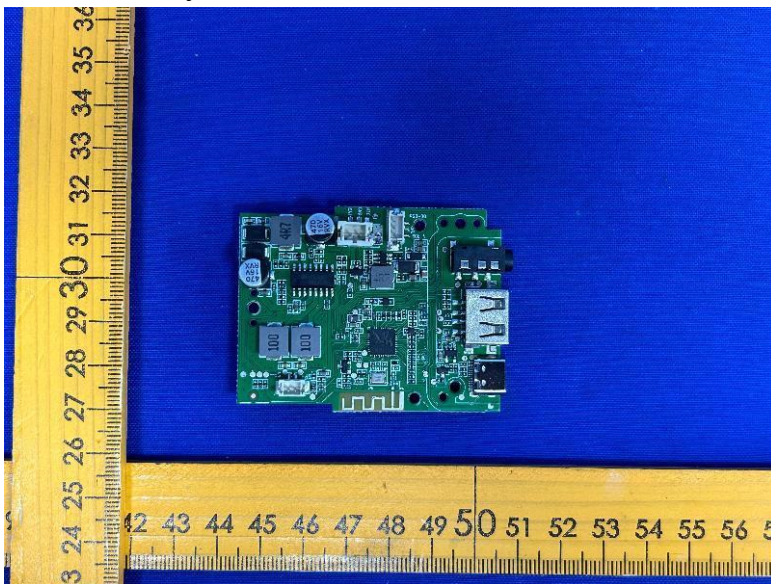
Address: 2F, 10th Block, Zhongyuntai Industrial Park, Tangtou No.1 Road, Shiyan Street, Bao'an District, Shenzhen, China

一、Antenna Introduction

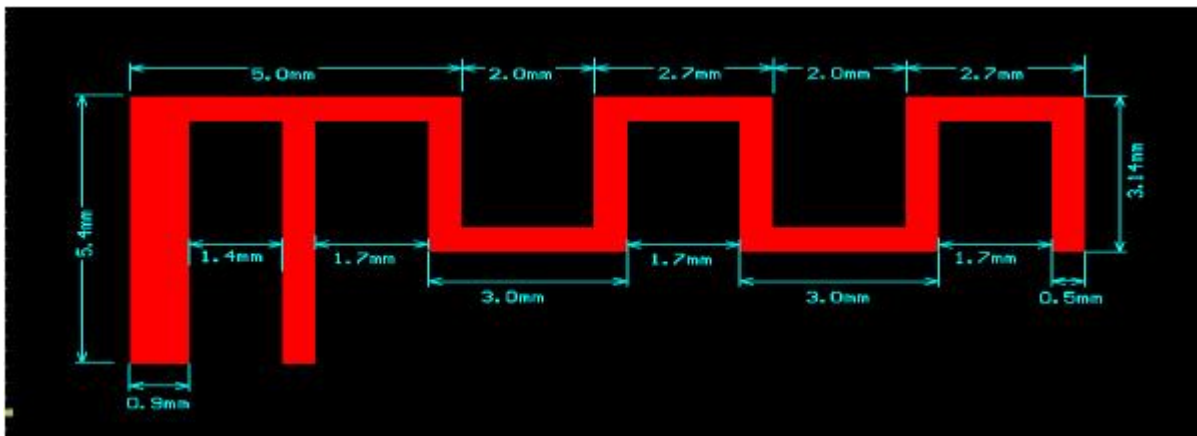
The Bluetooth antenna is directly mounted on the PCB board, and the antenna is made of copper foil with tin spraying process.

二、Antenna Appearance

1、Physical Picture



2、Antenna Dimension:14.4mm * 5.4mm



三、Antenna Parameters

The working frequency of Bluetooth is between 2402-2480MHz, where resonance occurs.

The following table shows the main parameters of the antenna

Bluetooth Internal Antenna	
Frequency (MHz)	2402 ~ 2500 MHz
VSWR	≤ 1.92
Impedance	50 Ohm Nominal
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	0.51 dBi
Polarization	Linear, Vertical
Admitted Power	2W
Connector	Tin

四、Antenna Gain

Spectrum Detector: PK

Test Date : June 8, 2013

Test By: Andy

Temperature : 28°C

Test Result: PASS

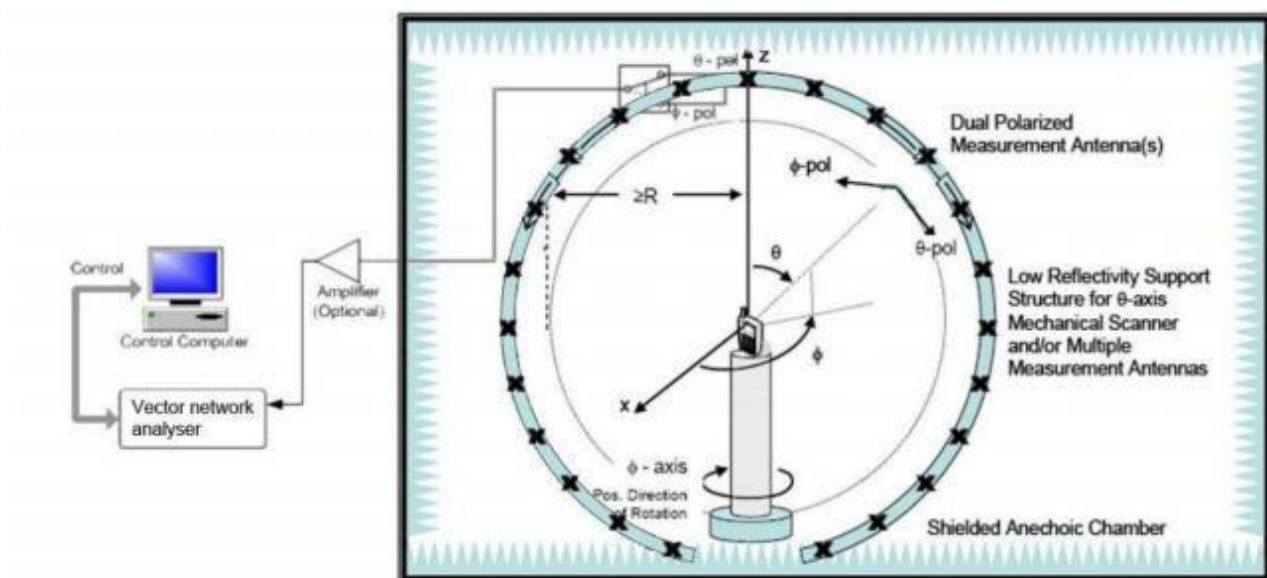
Humidity : 55 %

Modulation: GFSK

Maximum Antenna Gain Values

Frequency VNA : (MHz)	E Total. dB(dB)
2400MHz	-0.41
2410MHz	-0.18
2420MHz	0.34
2430MHz	0.51
2440MHz	0.38
2450MHz	-0.01
2460MHz	-0.06
2470MHz	-0.42
2480MHz	-0.74
2490MHz	-0.85
2500MHz	-1.13

五、Test Setup:



六、2D Radiation Pattern

