
Bluetooth antenna specification

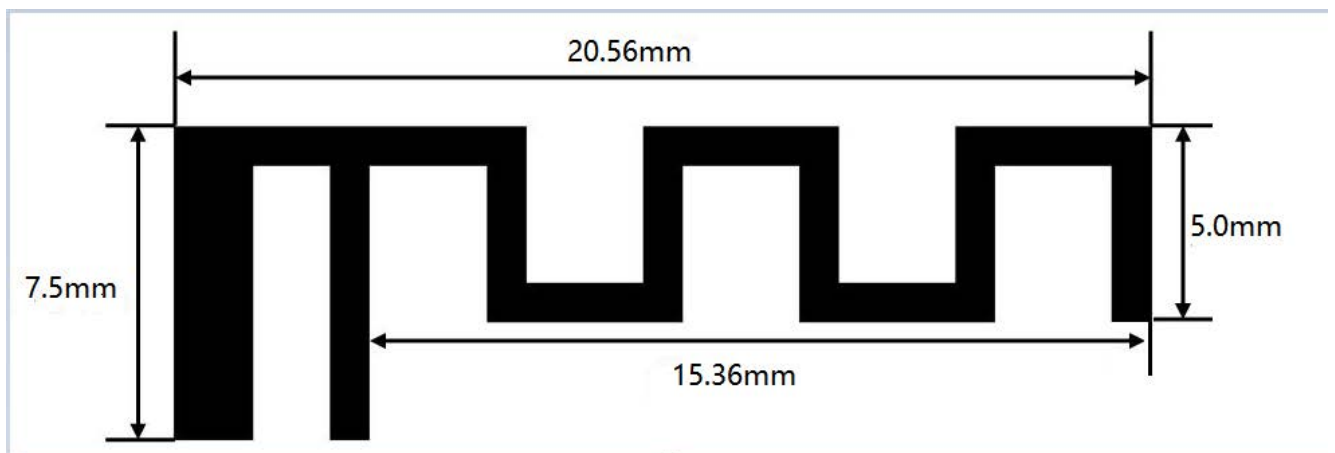
Manufacturer: Lenze Design Inc

Address : 7th Floor, Ching Po Building, Shenzhen Special
Zone Press Group, Futian

一、Antenna introduction

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

二、天线外形



三、天线参数

蓝牙天线工作频率在 2402-2480MHz, 在此频段产生谐振。下表为天线的主要参数。

蓝牙内置天线	
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

四、天线增益检测报告

Spectrum Detector:

PK

Test Date :

June 8, 2013

Test By:

Andy

Temperature :

28℃

Test Result:

PASS

Humidity :

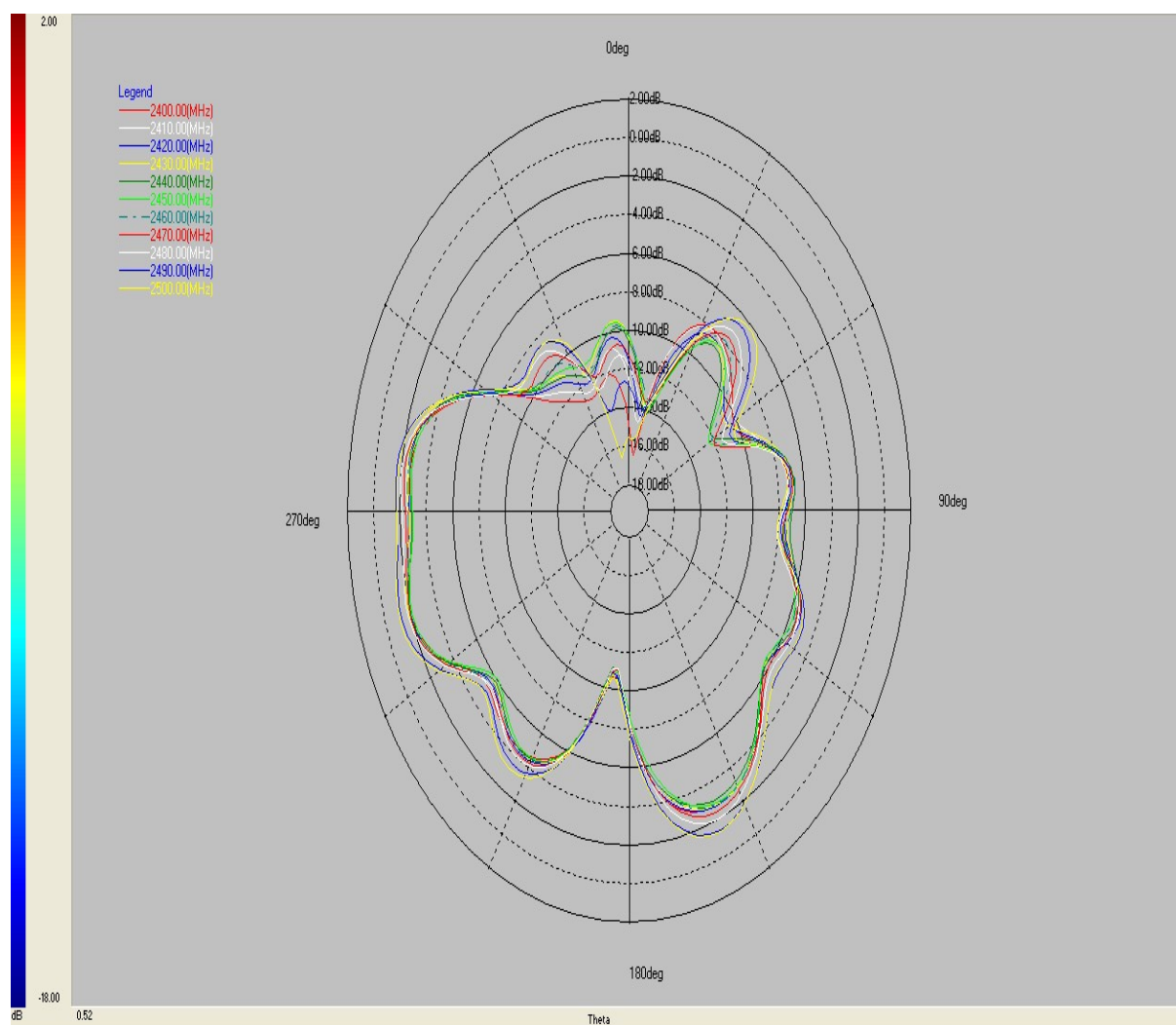
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Modulation:

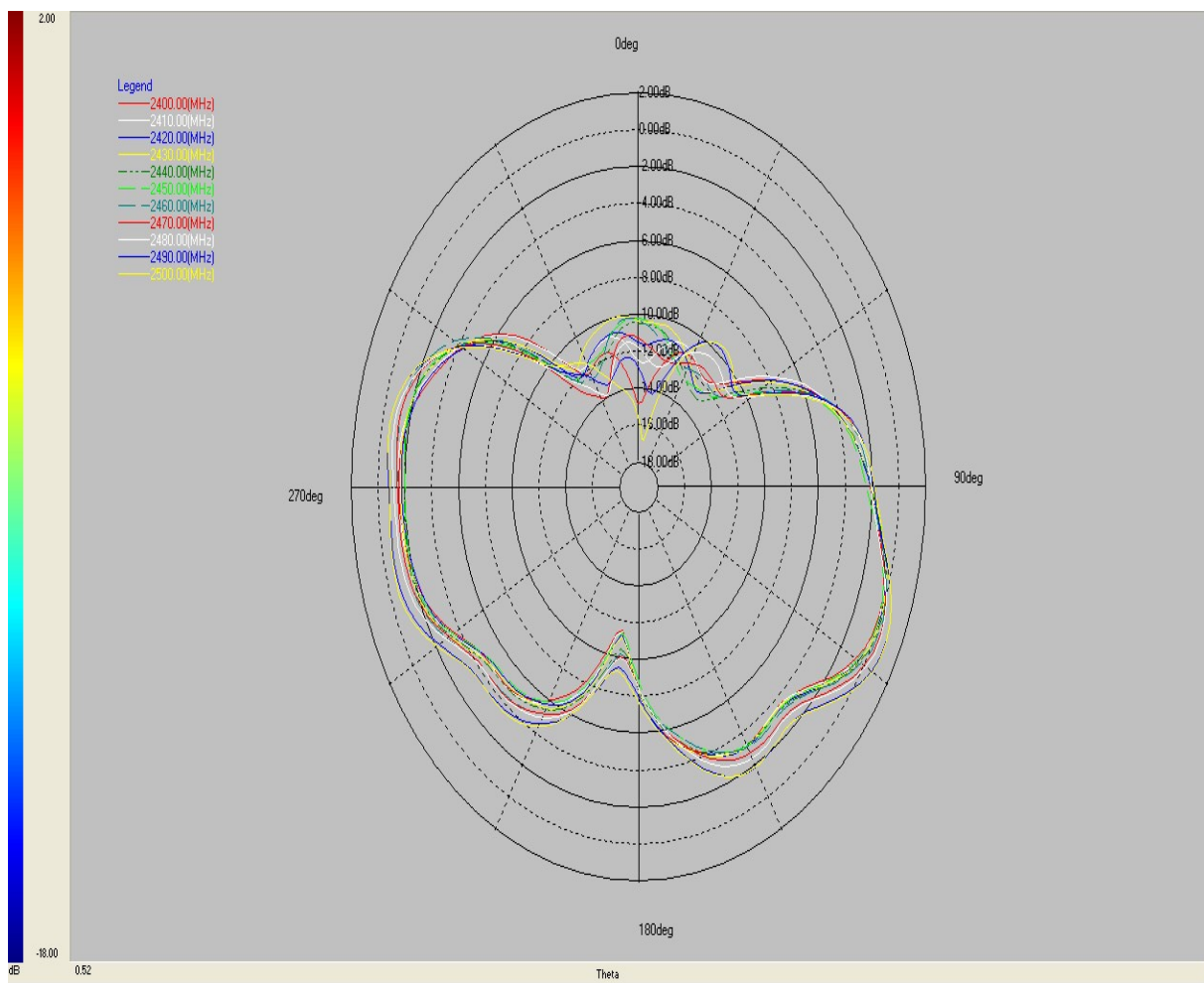
GFSK

Frequency VNA (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

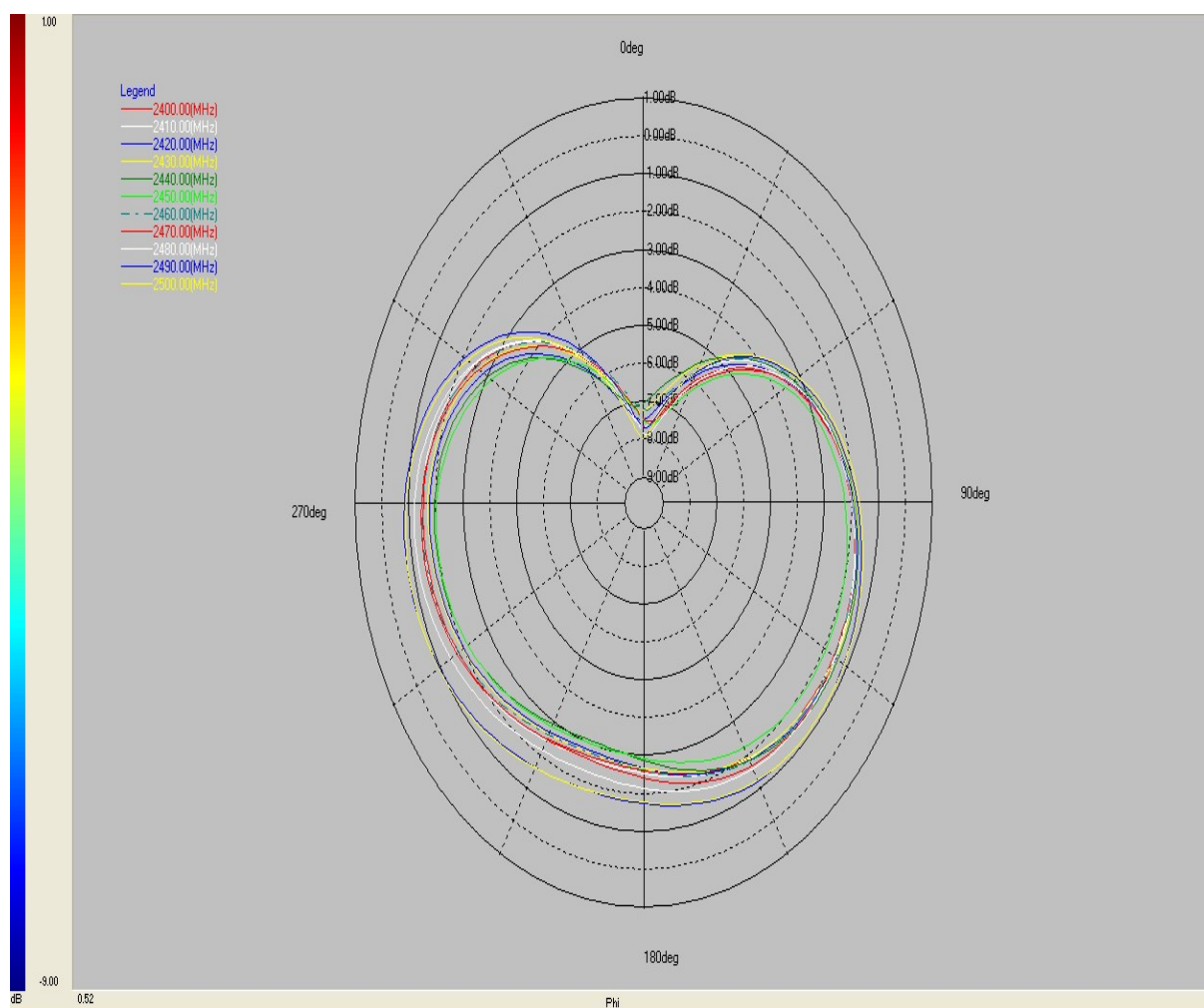
方向图:



PHI 0 度



PHI 90 度



THETA 90 度