

Bluetooth Antenna Specification

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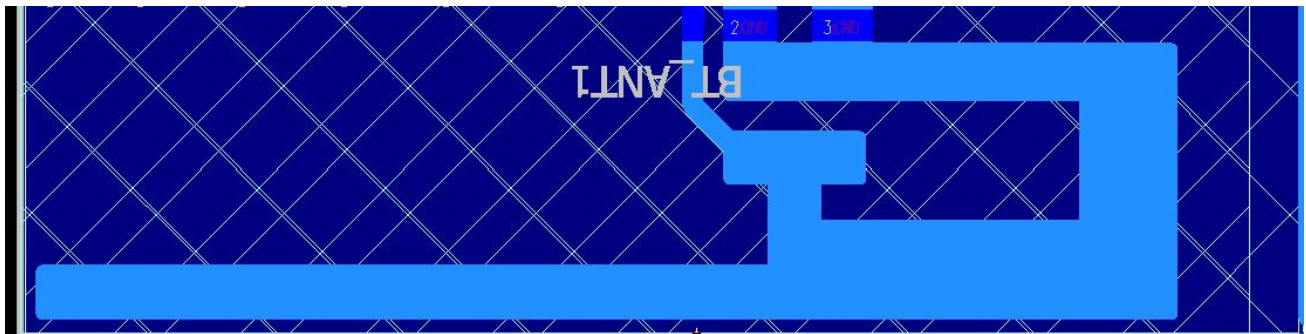
Model: 2.4GHz PCB ANT

1. Introduction

The Bluetooth antenna is PCB-integrated.

2. Antenna Outline

Unit:mm



3. Data

Bluetooth antenna operates at 2402 - 2480 MHz with resonance in this band. Key antenna parameters are shown in the table below.

Built-in Bluetooth Antenna	
Frequency (MHz)	2402 ~ 2480 MHz
VSWR	≤ 1.92
Impedance	50 Ohm Nominal
Return Loss	-10 dB Max
Radiation	Omni-directional

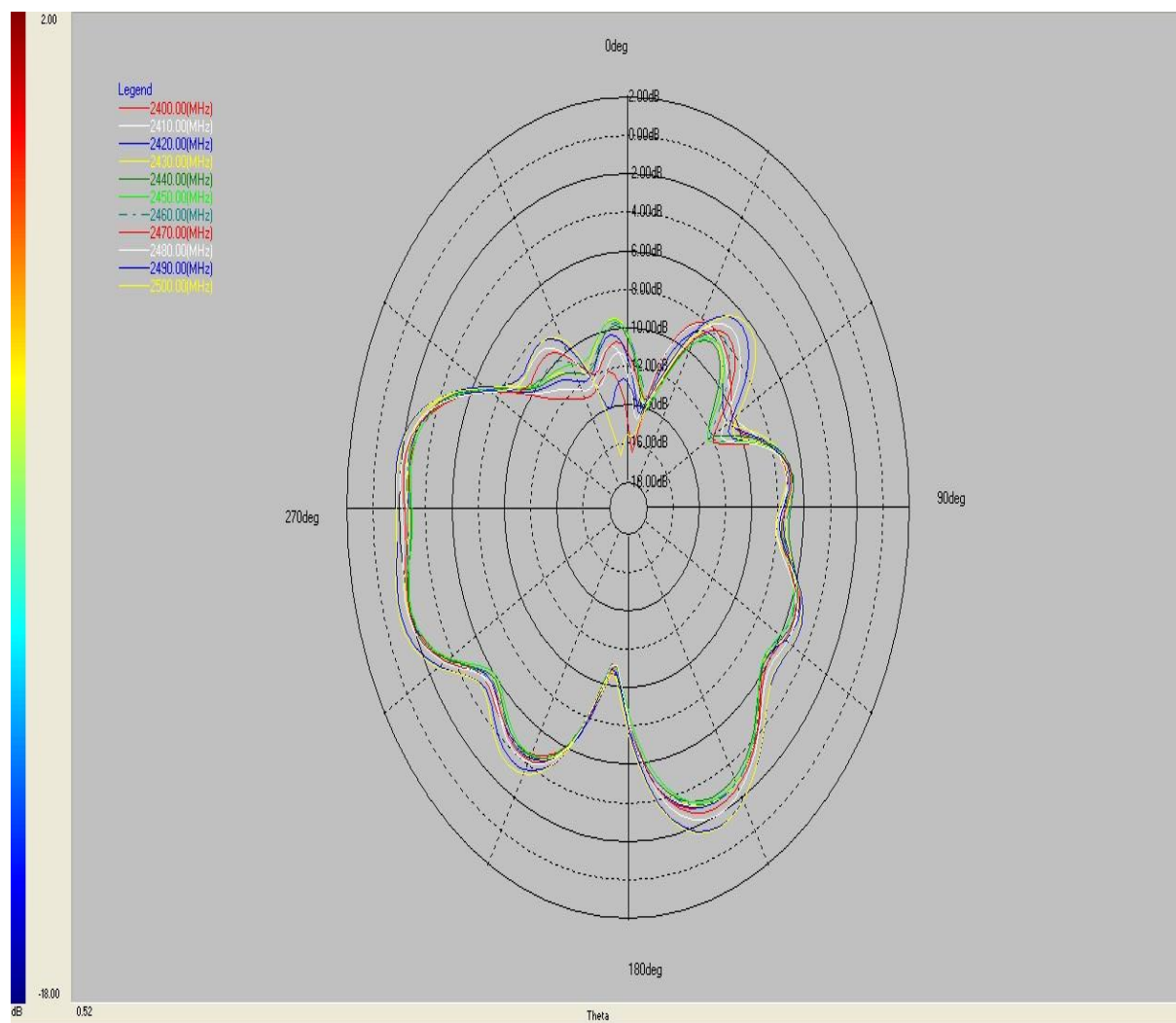
Gain (Peak)	1.08443dBi
Polarization	Linear, Vertical
Admitted Power	2W
Connector	Tin

4. Antenna gain

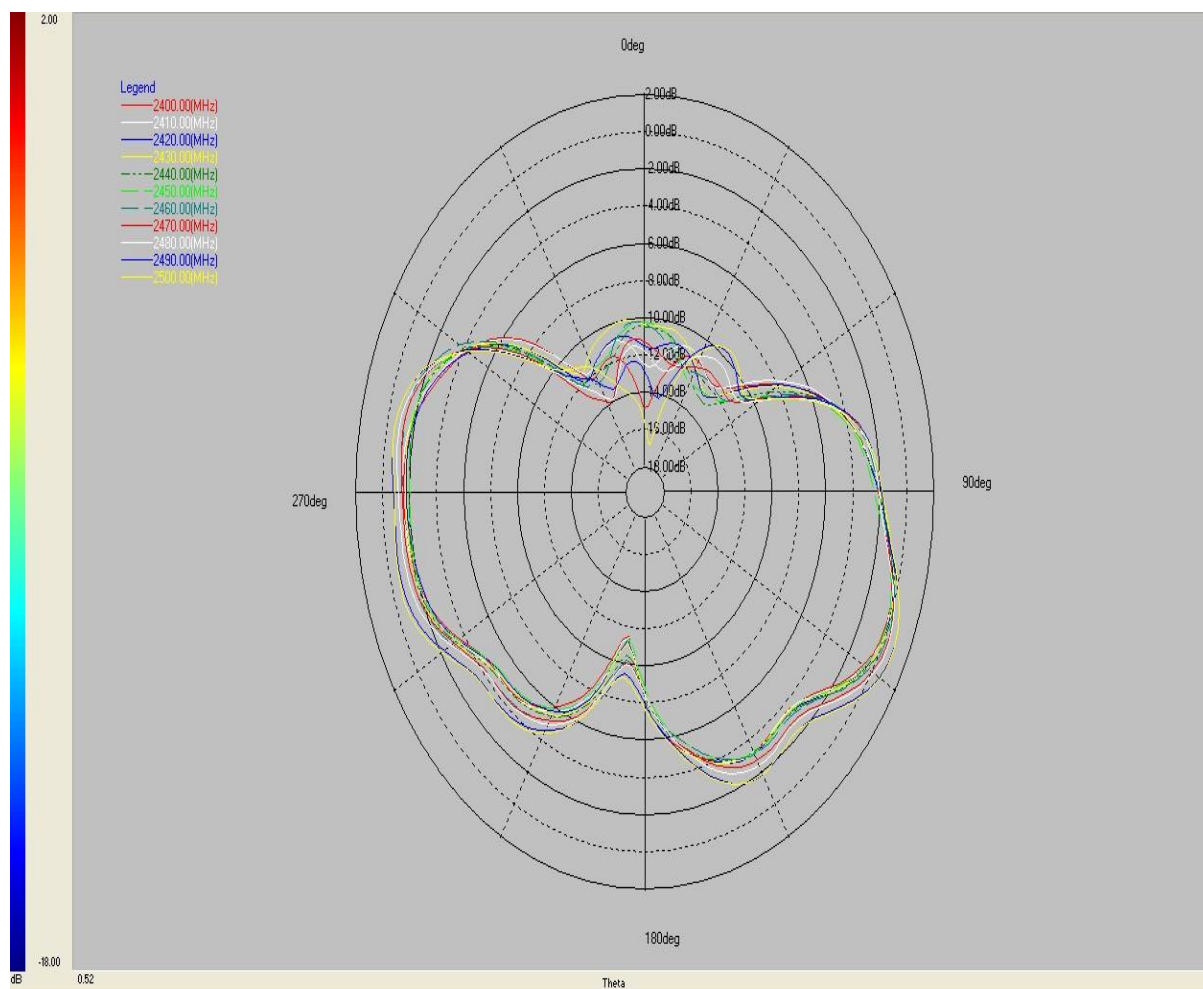
Spectrum Detector:	PK	Test Date :	June 8, 2013
Test By:	Andy	Temperature :	28°C
Test Result:	PASS	Humidity :	55 %
Modulation:	GFSK		

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

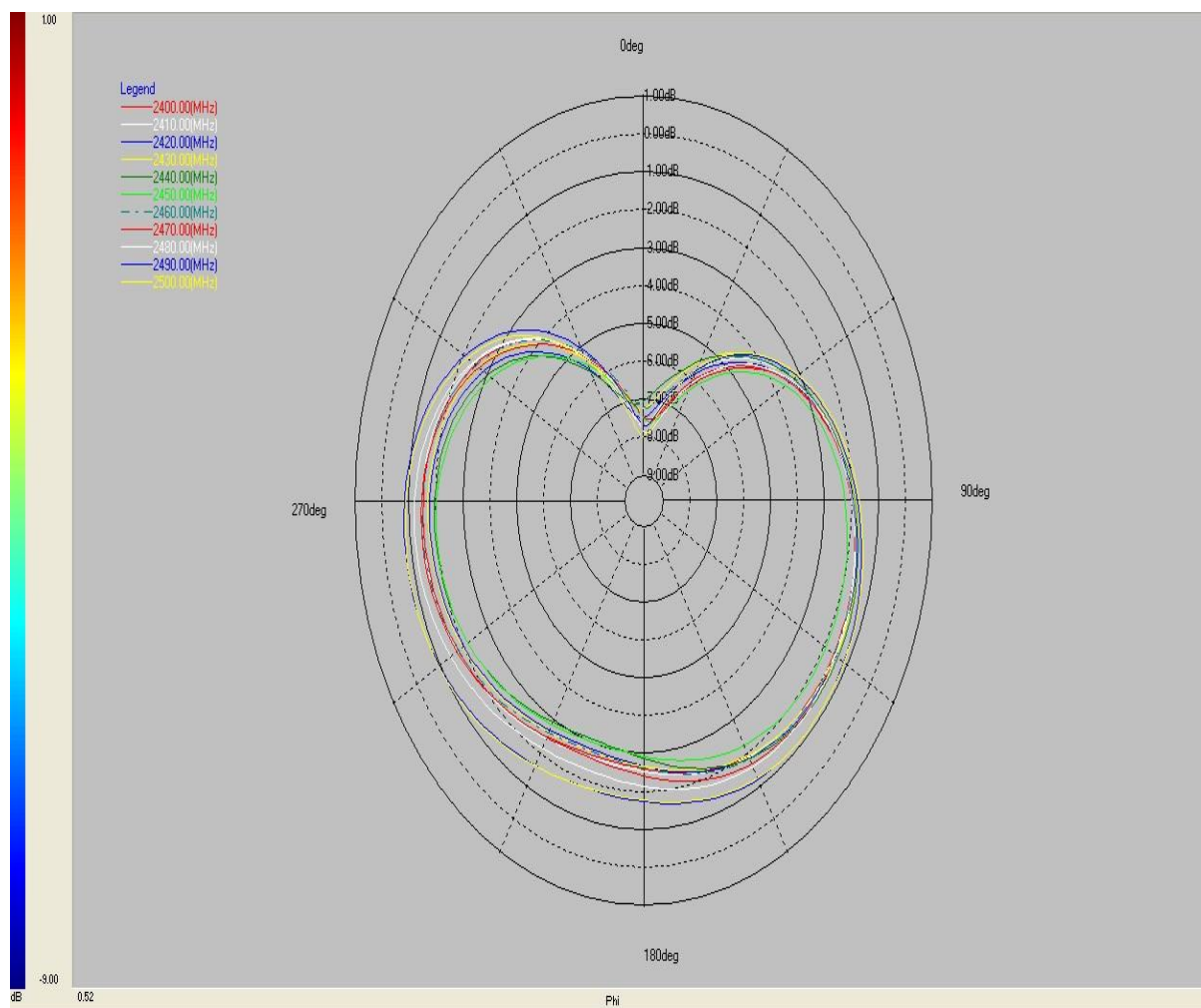
directional diagram:



PHI 0



PHI 90 度



THETA 90 度

Standing wave ratio

