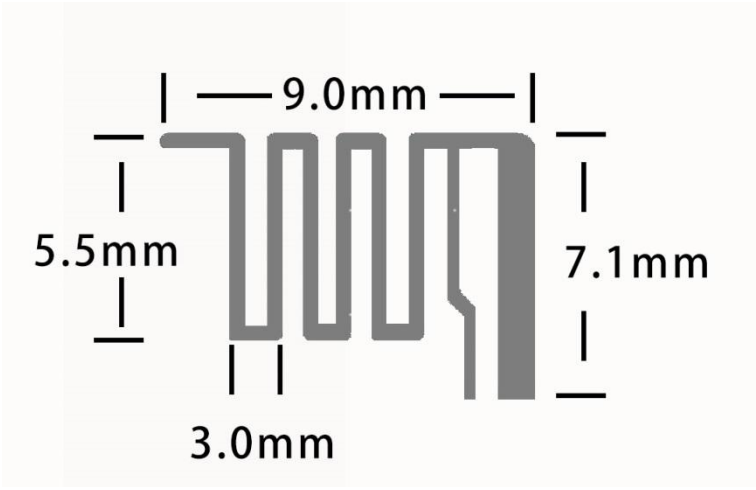
Shenzhen lingchengxin Electronics Co., Ltd

Wireless module Ling-TR2

specification



515, block D, Huayuan science and Technology Innovation Park,
Baoyuan Road, Xixiangstreet, Bao'an District, Shenzhen, Guangdong

1、Introduction

Ling-TR2adopts 2.4G SOC technology, which is development-free; module communication is about 100 m, serial transparent transmission and high integration of the serial communication can complete the development of remote control products and data transmission products.

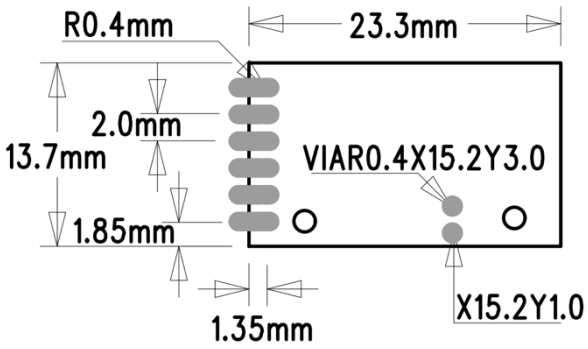
2 、Characteristics

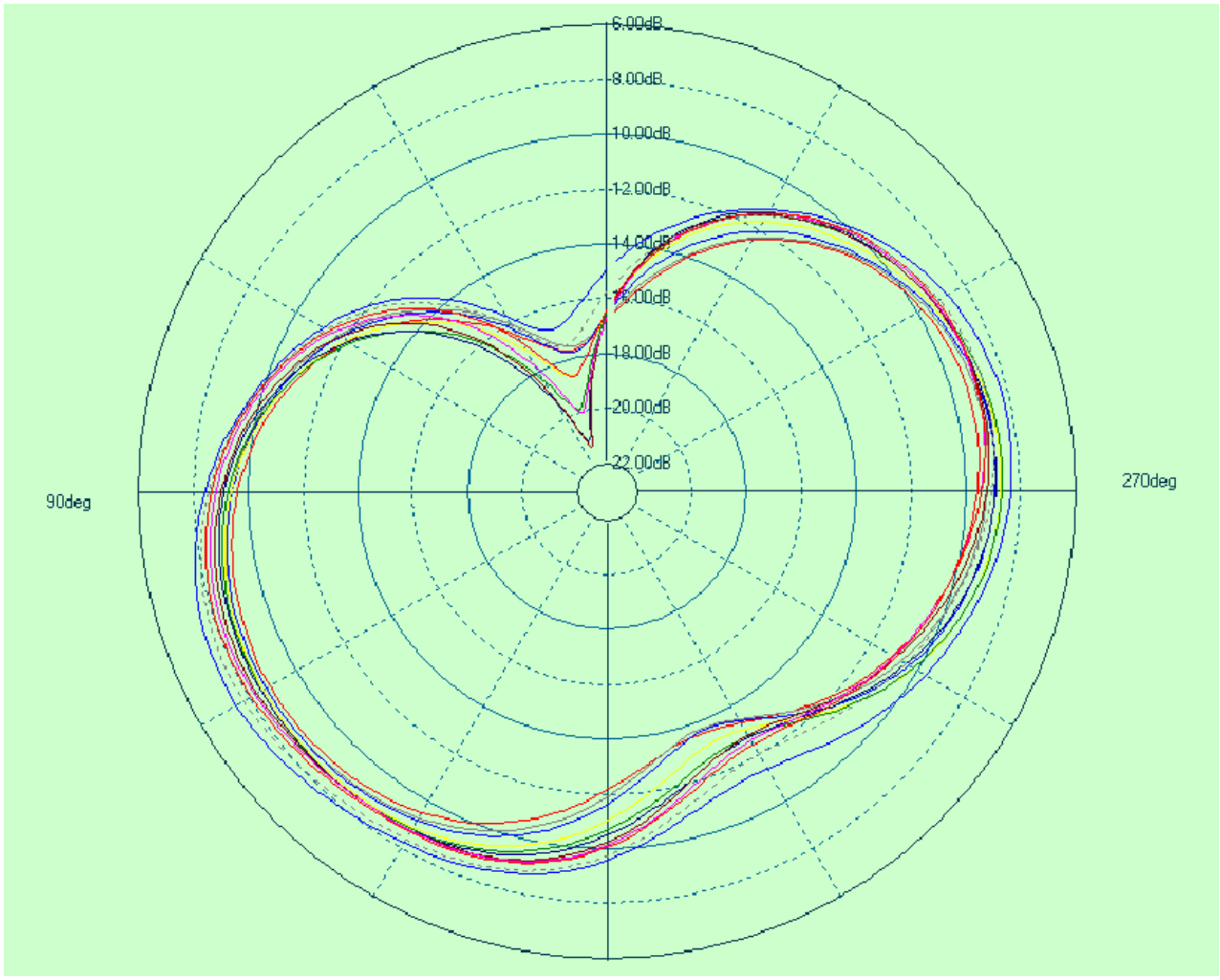
- semi-duplex communication
- 2.4GHz ISM band
- power supply voltage2.8-3.6V
- reception sensitivity-95dBm
- emission operating current 40mA
- receives an operating current 27mA
- sleep current 9.5uA
- standard TTL level UART serial port
- frequency can be set, with multiple modules without interference
- sending and receiving switching is automatically completed,
- communication rate is 0.6kbps-38.4kbps

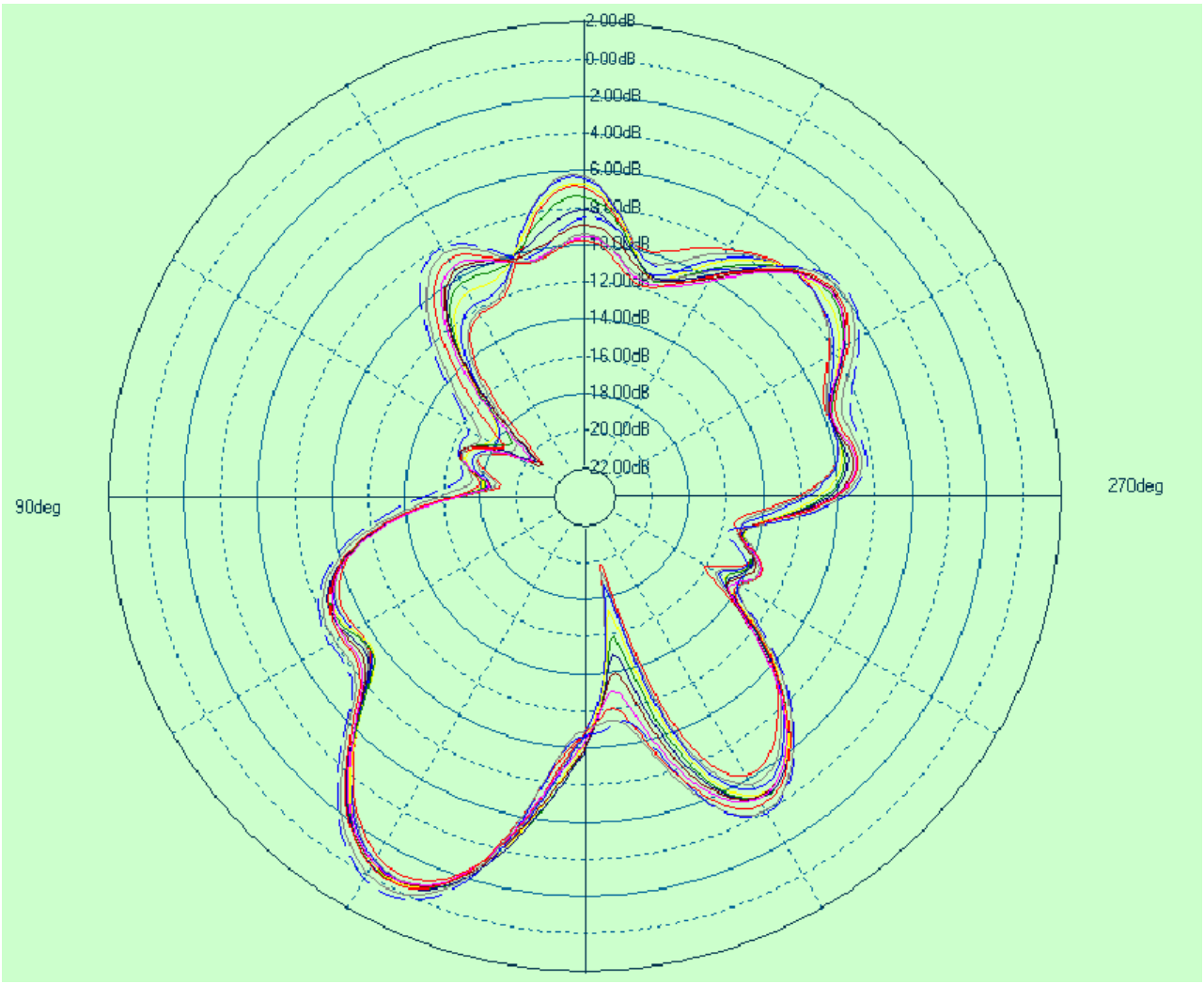
3、Pin definition

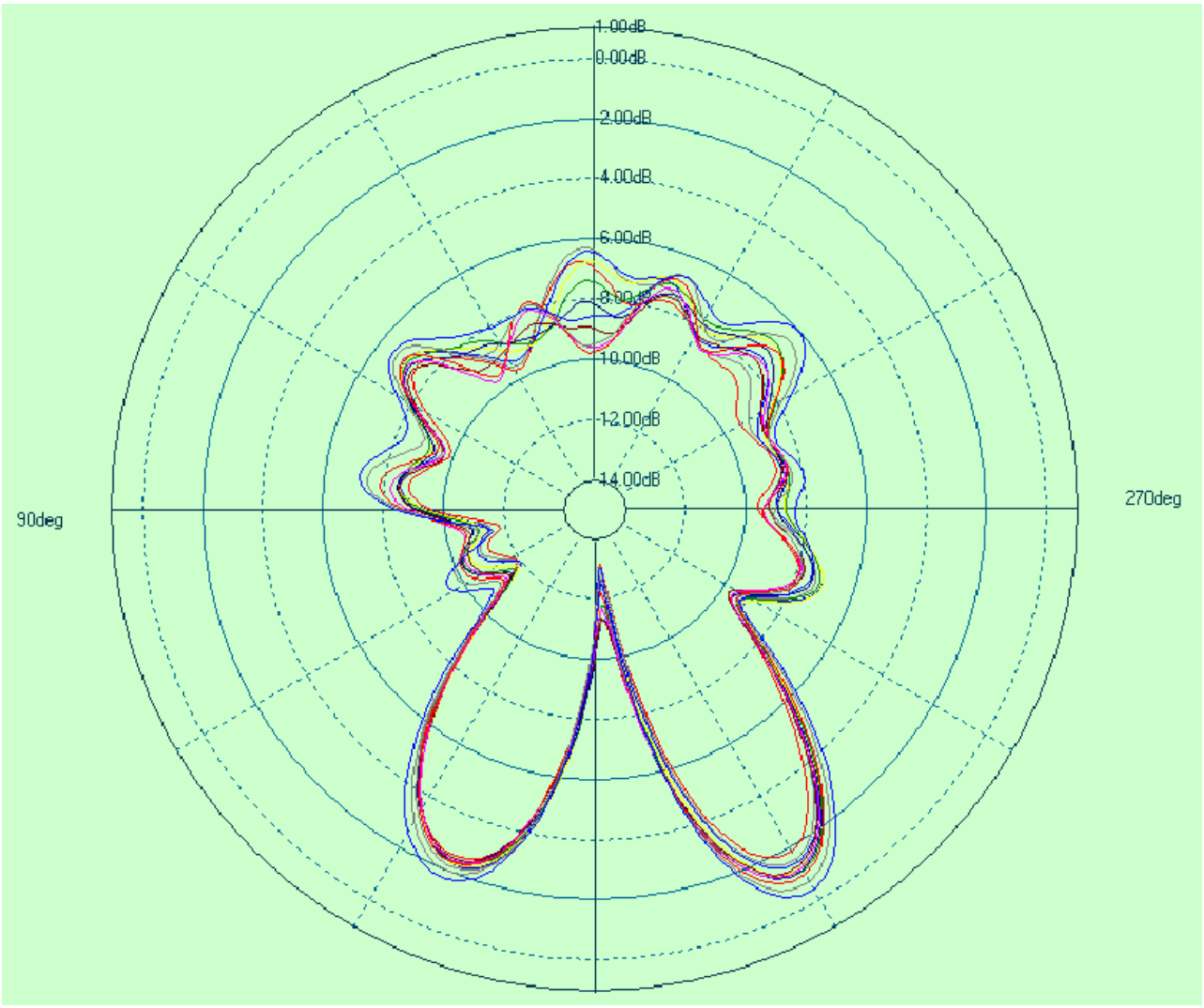
pin	Lead the foot name	Feet function	description
1	VCC	+	2.8~3.6V, Typical 3.3V
2	RXD	Module data input (TTL level)	Serial port communication data reception
3	TXD	Module data output (TTL level)	Serial port communication data transmission
4	SET	Set position	Configuration parameters enable (low level is configuration mode, suspended or high level is communication mode)
5	CS	dormancy	Pin working at low level, suspended or dormant at high level
6	GND	-	-
7	ANT	External antenna interface	When connecting with the external antenna, the resistance at the PCB antenna connection should be removed.

4、Product size




6.00dB
8.00dB
10.00dB
12.00dB
14.00dB
16.00dB
18.00dB
20.00dB
22.00dB
90deg
270deg


2.00dB
0.00dB
2.00dB
4.00dB
6.00dB
8.00dB
10.00dB
12.00dB
14.00dB
16.00dB
18.00dB
20.00dB
22.00dB
90deg
270deg



Frequency	Gain (dBi)
2400MHz	0.31
2410MHz	0.57
2420MHz	0.75
2430MHz	1.01
2440MHz	0.99
2450MHz	0.88
2460MHz	0.90
2470MHz	1.00
2480MHz	1.30
2490MHz	1.69
2500MHz	2.00