

On-board antenna on the circuit board

Product specification

Manufacturer: JIN DE TOYS FACTORY

Manufacturer add. : Lianxia Town, Chenghai District, SHANTOU, China

1 Internal material of the antenna

Main materials	Scope of use	Remarks
Copper sheet thickness	12mil	Environmental protection

2 Product performance

Specification and size

Product name	Scope of application	Line specification	Antenna color	Appearance
On-board antenna on the circuit board	Wires on the circuit board	See the PCB antenna specification drawing	----	The surface has no defects such as damage, scratches or oil stains

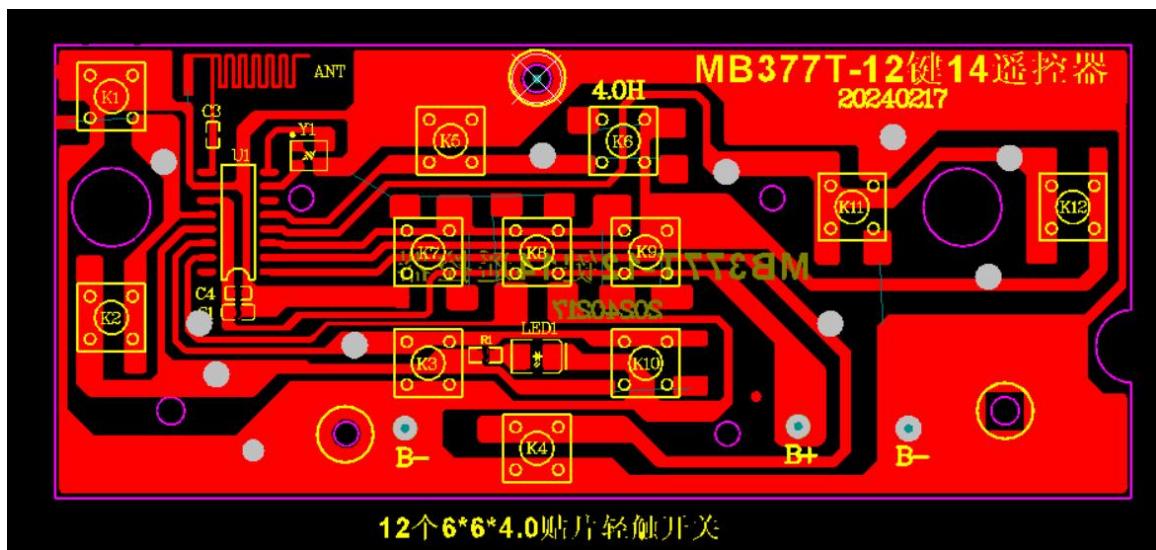
3 Wire performance

Serial number	Project	Standard
1	Temperature resistance	200 ° C

3 Antenna frequency range: 2.4GHz - 2.8GHz

Antenna gain value : 0.59dBi

Screenshot of the transmitting board PCB



This PCB antenna specification diagram and its parameters

The antenna is a PCB-mounted antenna

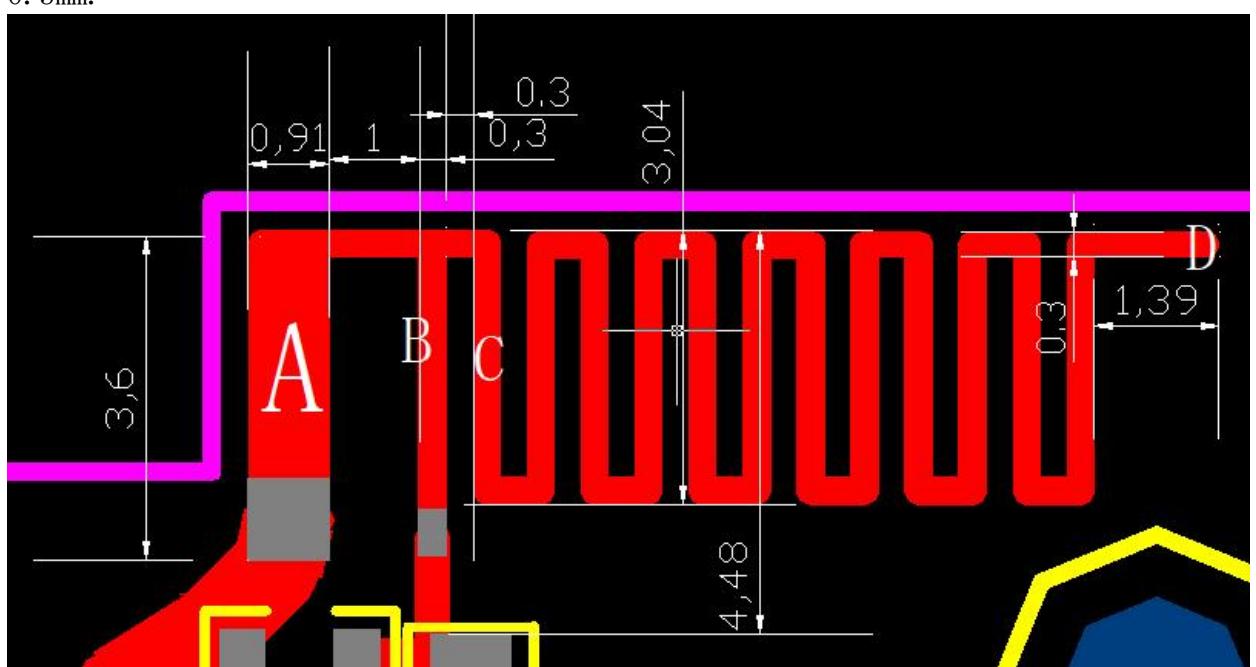
Among them

A: The length is 3.6mm and the width is 0.91mm

B: The length is 4.48mm, and the distance between A and B is 1mm

C: The length is 3.04mm and the width is 0.3mm; The distance between B and C is 0.3mm, and the other distances are also 0.3mm

D: The length is 1.39mm and the width is 0.3mm.

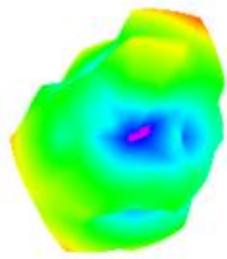


Efficiency & Gain

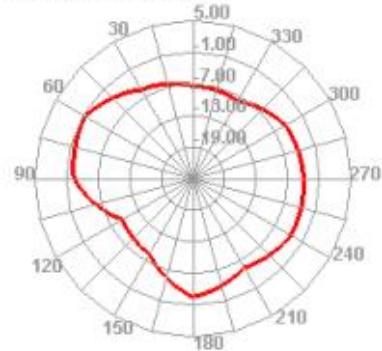
Freq (MHz)	Effi (%)	Gain (dBi)
2400	23. 66	0. 47
2410	23. 19	0. 38
2420	23. 03	0. 49
2430	22. 41	0. 42
2440	21. 67	0. 45
2450	20. 24	0. 52
2460	20. 61	0. 51
2470	21. 41	0. 59
2480	23. 89	0. 56
2490	26. 46	0. 53
2500	25. 73	0. 46

Radiation Pattern

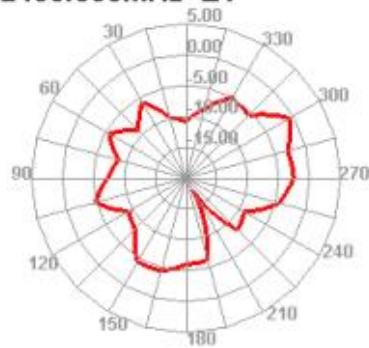
2400.000MHz



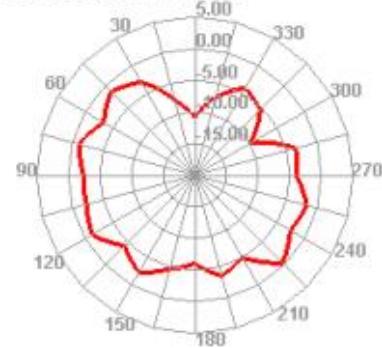
2400.000MHz H



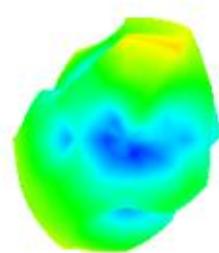
2400.000MHz E1



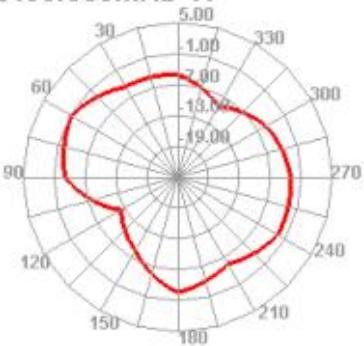
2400.000MHz E2



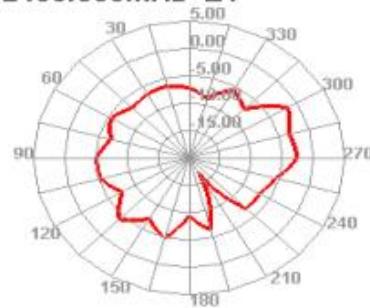
2450.000MHz



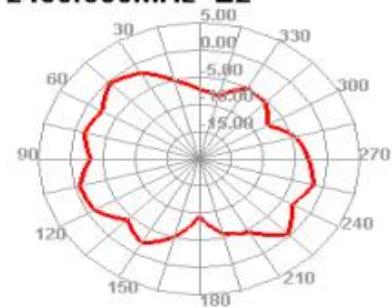
2450.000MHz H



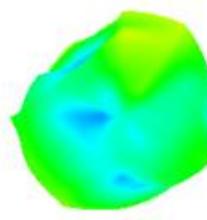
2450.000MHz E1



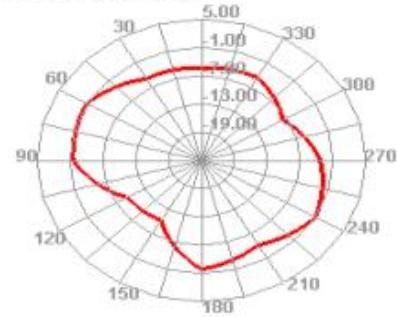
2450.000MHz E2



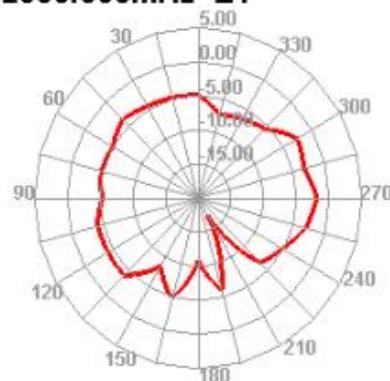
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

