

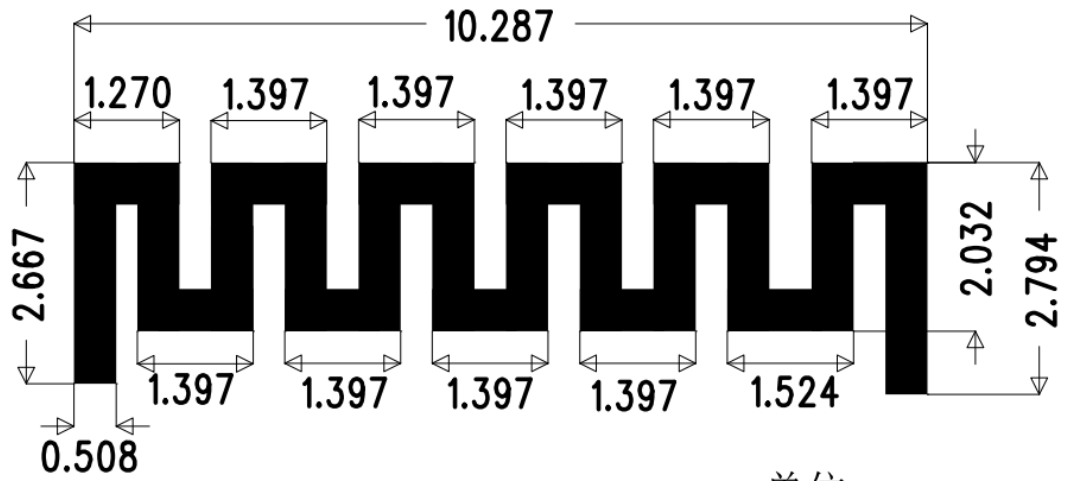
Antenna Testing Report OF RF-BM-S02A

Applications

※Bluetooth Home RF

※ISM band 2.4GHz applications

1. Dimension



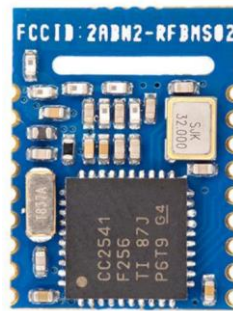
单位: mm

2. Specifications

Number	Item	Specifications
1	Working central frequency	2440 MHz
2	Band width	(2402-2480)MHz
3	Gain	0.71dbi
4	VSWR	≤2.0
5	Antenna type	PCB antenna

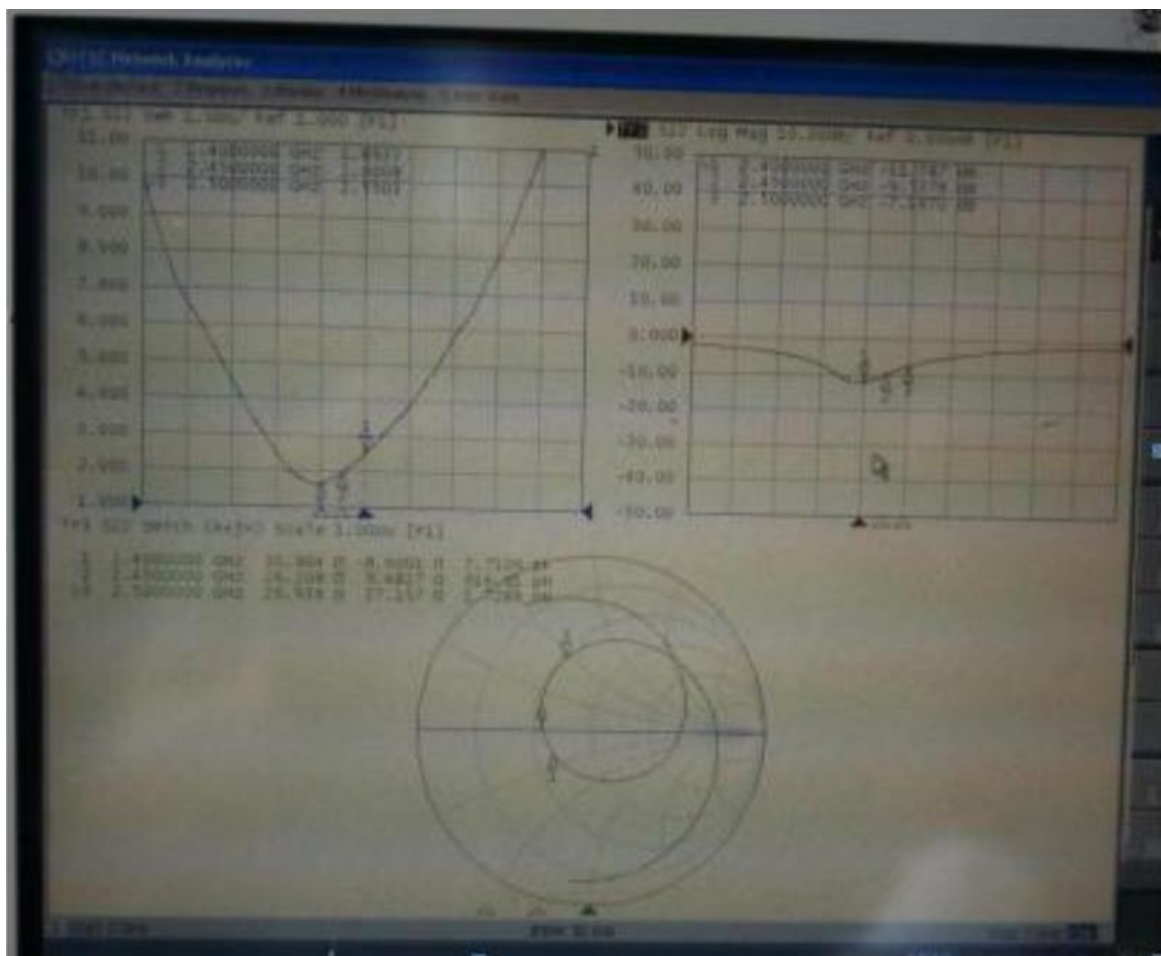
3. Antenna Information

Antenna Type: PCB antenna



4. Antenna Return Loss

4.1 Antenna S11



4.2 SWR DATA

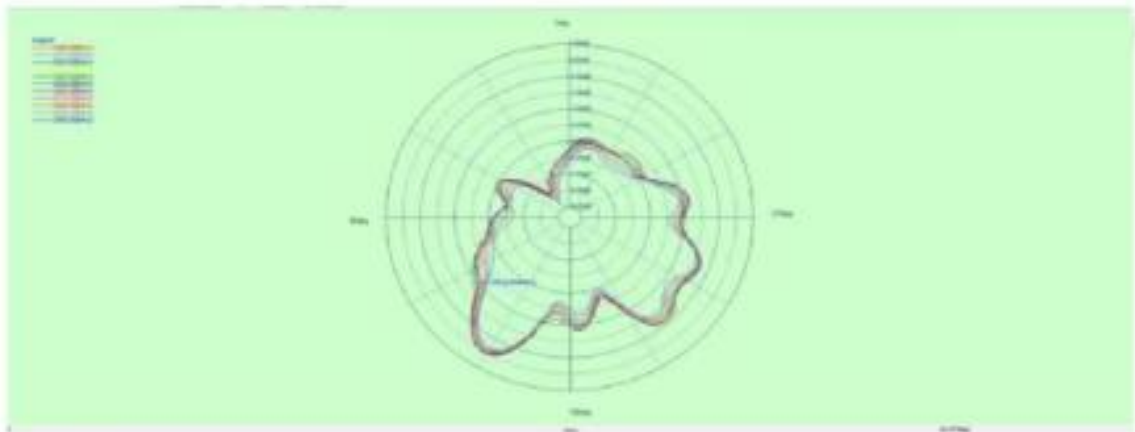
Freq/GHz	2.4	2.45	2.5
VSWR	1.69	2.0	2.55
LOG	-11.8	-9.1	-7.2

4.3 Antenna DATA

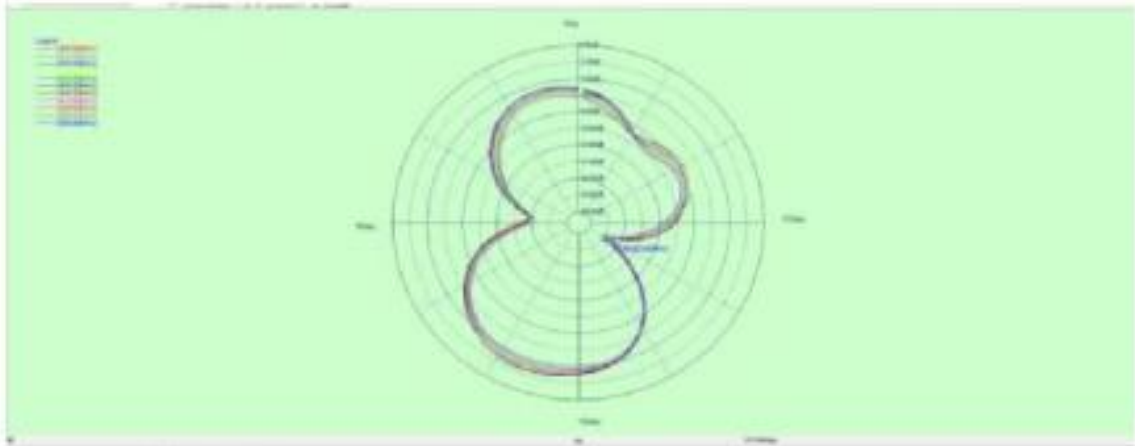
频率/MHz	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
增益/dBi	0.38	0.51	0.61	0.71	0.60	0.63	0.64	0.51	0.49	0.50	0.43
效率/%	28%	29%	29%	30%	29%	29%	29%	28%	27%	27%	26%

4.4 方向图

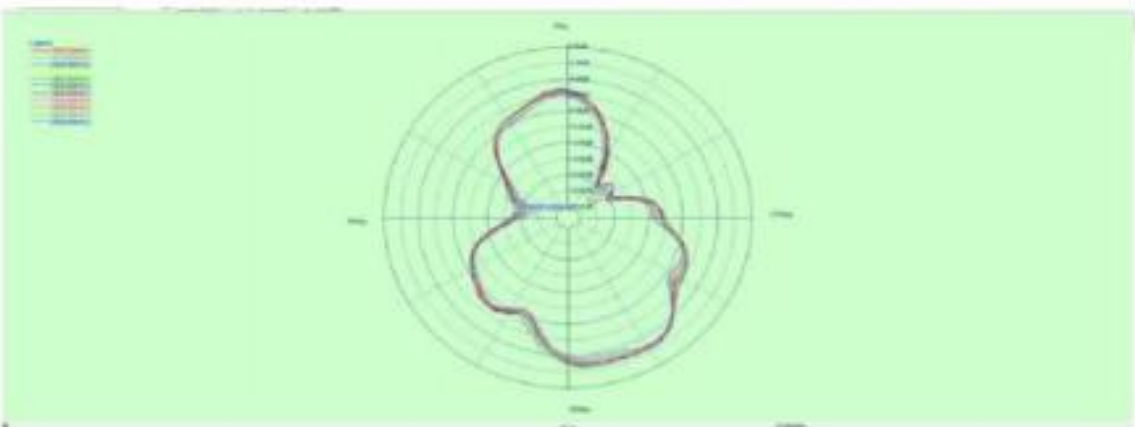
E1 面



E2 面



H 面



(4) 2450MHz的3D方向图

2450MHz

