

Antenna Specification

Manufacturer: Shenzhen Shida Micro Technology Co., Ltd.

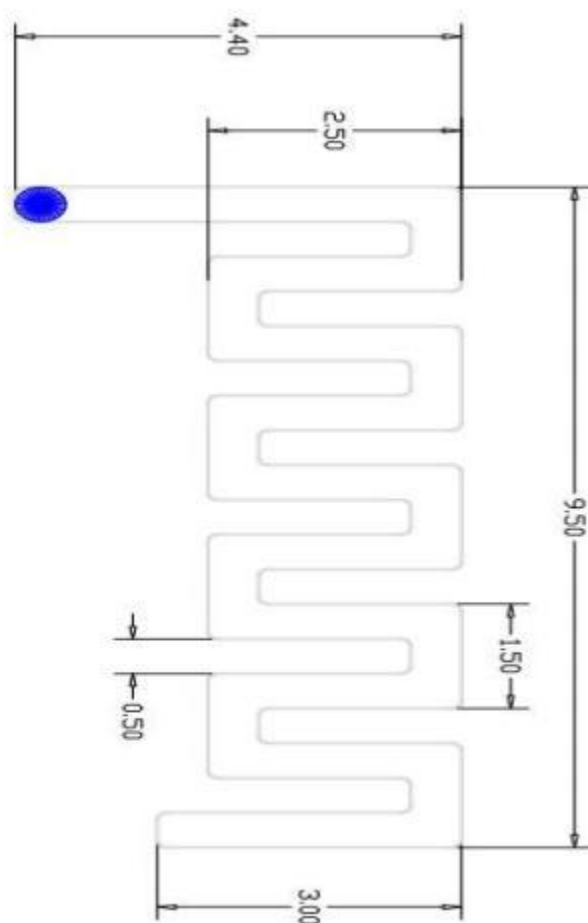
Address: No. 18, Zhonghang Road, Huahang Community,

Huaqiangbei Subdistrict, Futian District, Shenzhen City

1 The integrated antenna of requires a suitable grounding plane for effective radiation. The area below and extending out of the module antenna part should be kept clean, avoiding copper and other metals. The module should be placed at the edge of the PCB, with the edge of the antenna facing outward. The RF layout and grounding plane dimensions for the antenna test are as follows.

1-1

Unit: mm



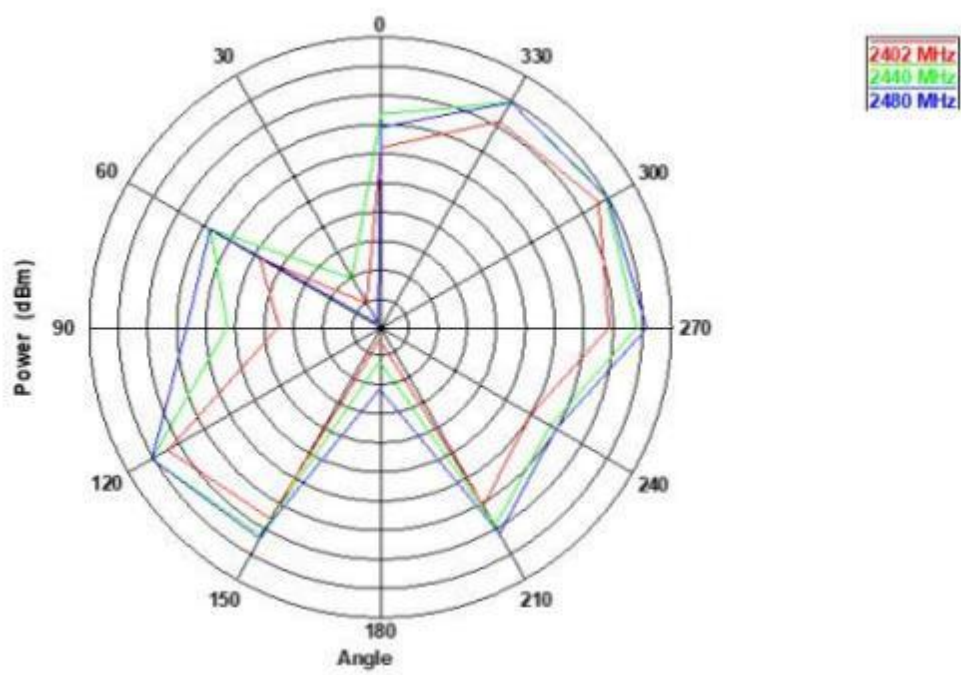
2. Test results

Test / Position	Gain / Free Space		
Frequency (MHz)	2402	2440	2480
Avg Gain	-1.8	-1.3	-1.0
Peak Gain	2.6	2.6	3.1
Directivity	4.4	3.9	4.1
Efficiency	-1.8	-1.3	-1.0
Efficiency (%)	66.1	73.7	79.5

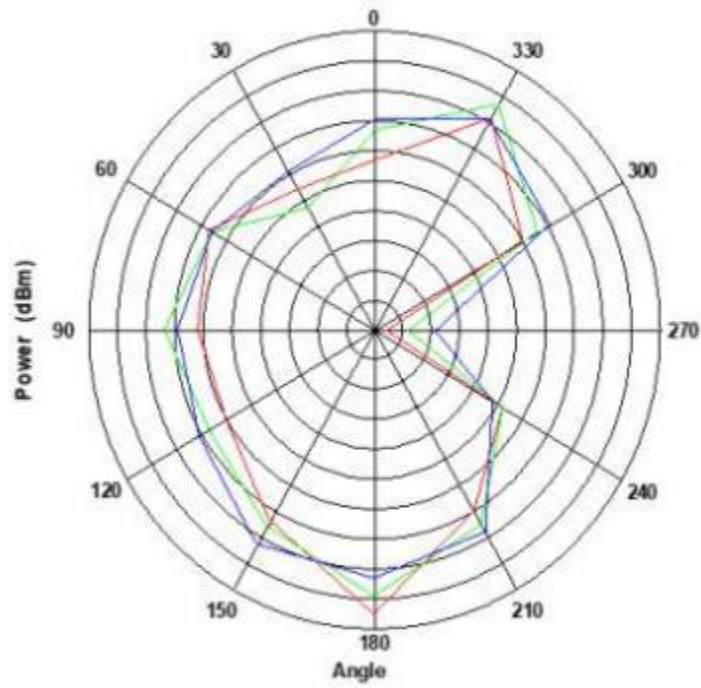
2.2 Antenna pattern

X-Y-Z Directional pattern

2-2 X-Y

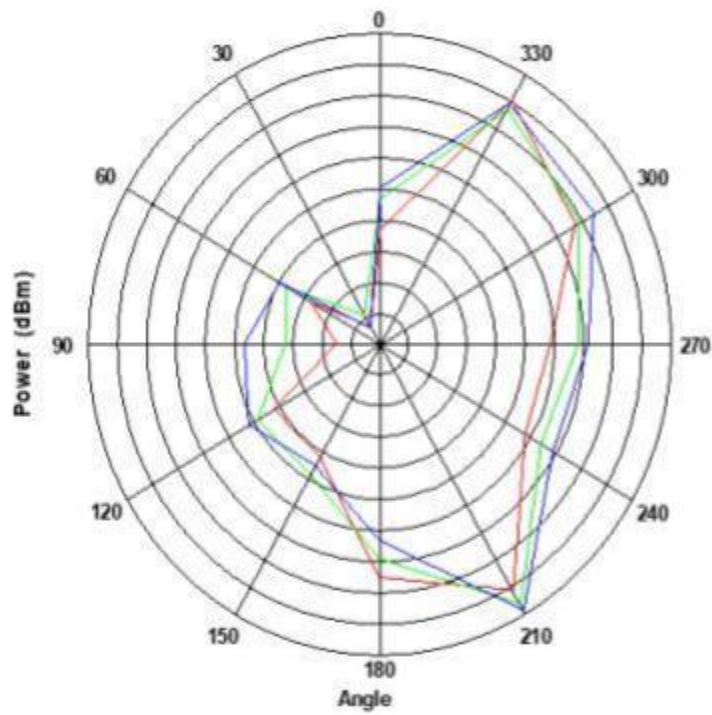


2-3 X-Z



2402 MHz
2440 MHz
2480 MHz

2-4 Y-Z



2402 MHz
2440 MHz
2480 MHz