

Antenna performance test specification

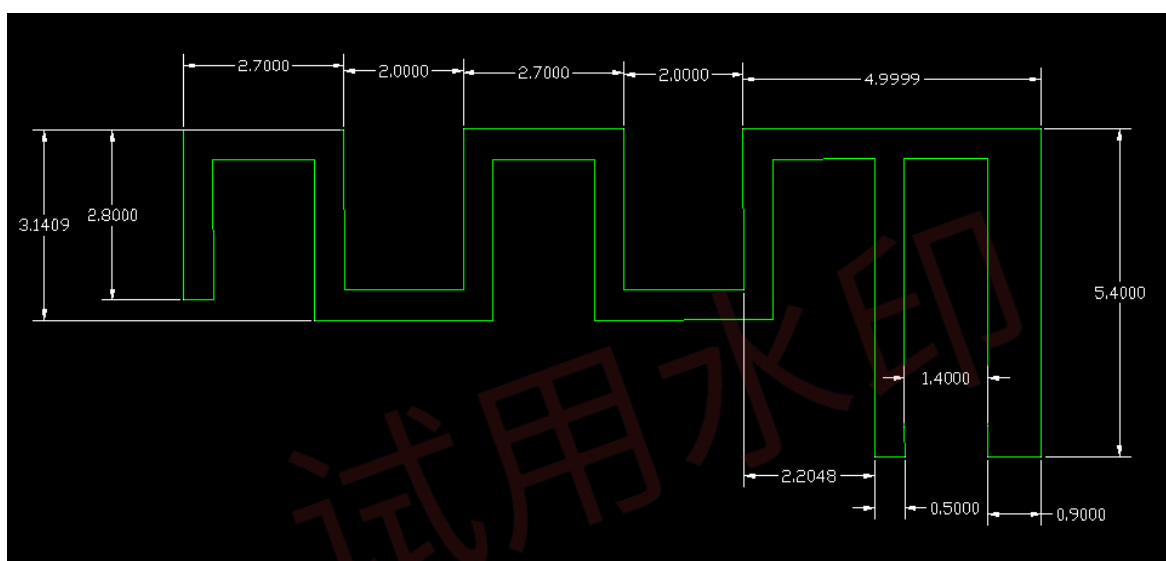
APPlications

- ※Bluetooth Home RF
- ※ISM band 2.4GHz applications

1. Dimensions

Picture of antenna

unit:mm



2. Specifications

number	Item	Specifications
1	Working Central Frequency	2441 MHz
2	Band Width	(2402-2480)MHz
3	Gain	0dBi
4	VSWR	≤2.0
5	Antenna type	PCB antenna
6	Azimuth Beam width	Omni - directional
7	Impedance	50 Ω

Manufacturer:Shenzhen Divoom Technology Co.,Ltd.
Address:Unit 1203-06,Building 6B,Convention Bay Zhonggang Plaza,No.83,Zhanjing
Zhancheng Community,Fuhai Street,Bao An District,Shenzhen,Guangdong, China

3. Instrument testing, software simulation parameters

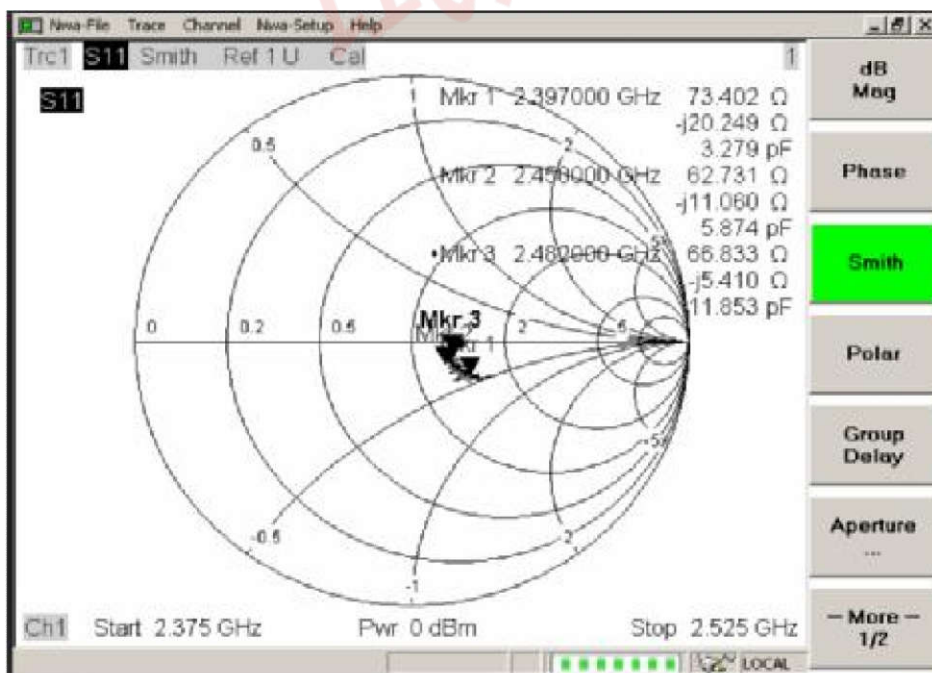
① VSWR

Mkr1: 2397MHz 1.47 Mkr2: 2450MHz 1.51 Mkr3: 2482 MHz 1.59



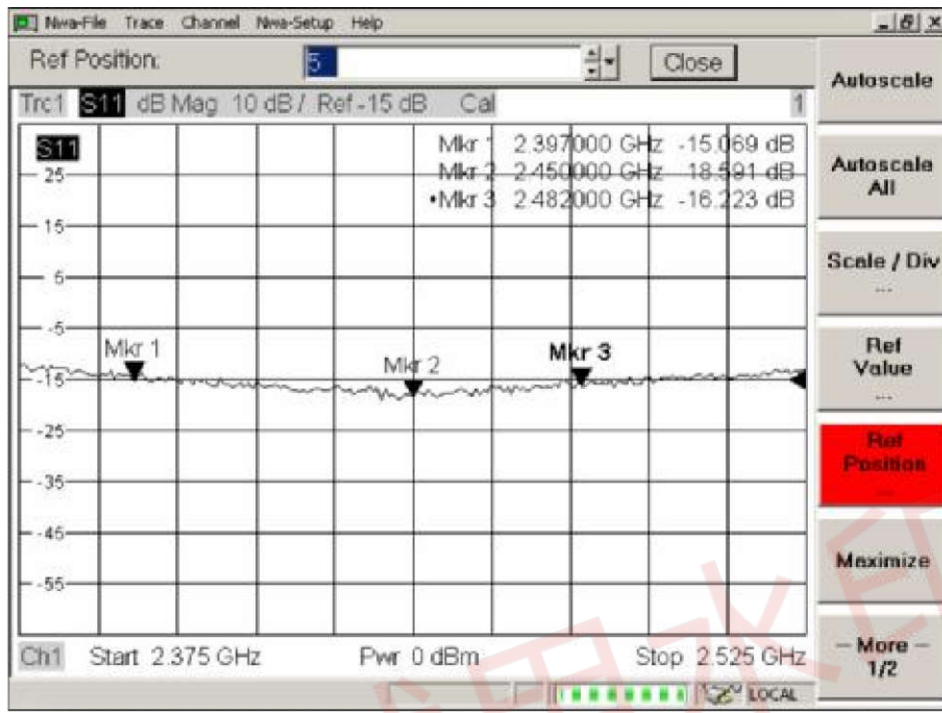
② Smith Char

Mkr1: 2397MHz 73.4 Mkr2: 2450MHz 62.7 Mkr3: 2482MHz 66.8



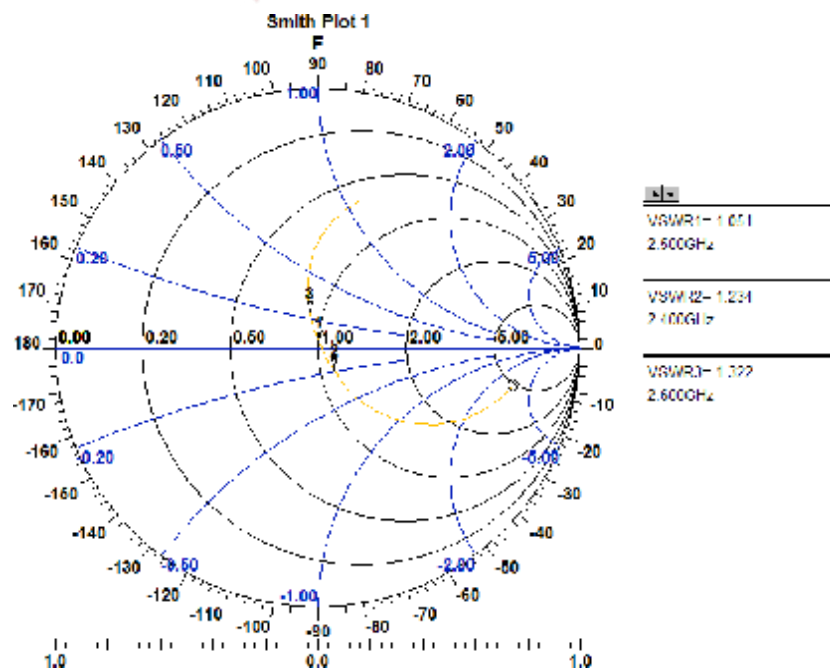
③Return Loss

Mkr1: 2397MHz -15 Mkr2: 2450MHz -18 Mkr3: 2482 MHz -16

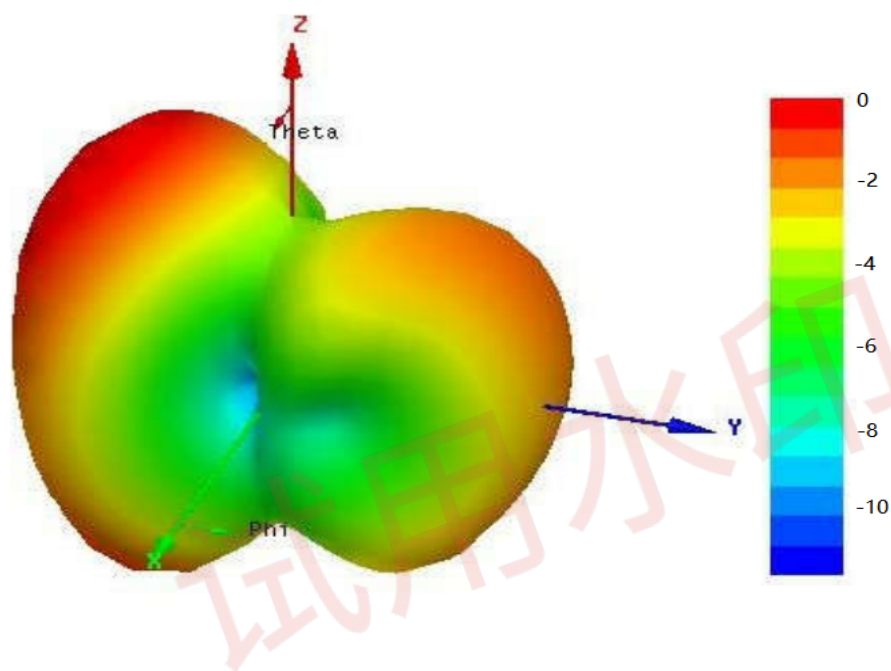


④Smith Char simulation

Mkr1: 2400MHz 1.234 Mkr2: 2500MHz 1.051 Mkr3: 2600MHz 1.322



3D Radiation Field 2441MHz



Frequency/MHz	2402	2441	2480
Gain/dbi	-1.02	0	-0.45