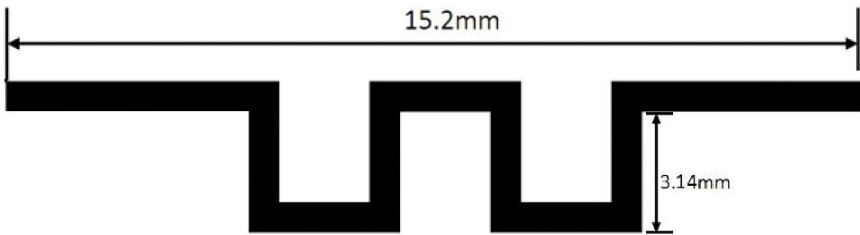


Antenna Specification

1. Antenna describe:

Antenna gain	0 dBi
Bluetooth solution	PAN2416
Frequency range	2.4GHZ-2.5GHZ
Connector type	Direct
Model Name	2.4G F ANT
Impdance	50 Ohm
Antenna type	PCB ANT
Manufacture	DONGGUAN HOGNYUANWEI Technology Co.,LTD 155 East Central Road, Xiansha Second Industrial Zone, GaoBu Town, Dongguan City, Guangdong Province

PCB Antenna size:

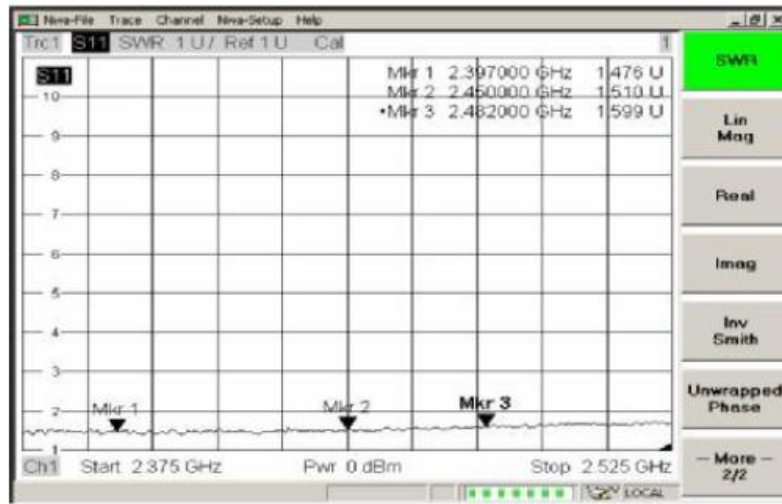


2. Antenna Radiation Pattern

2. Antenna Radiation Pattern

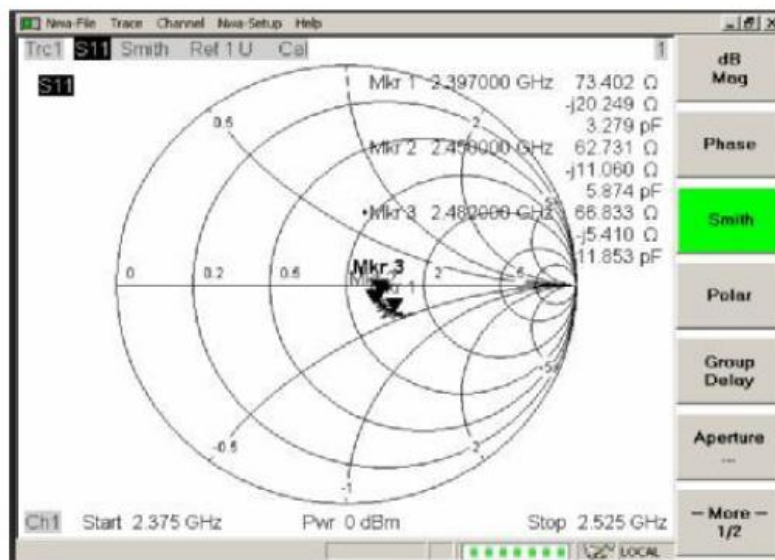
① VSWR

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



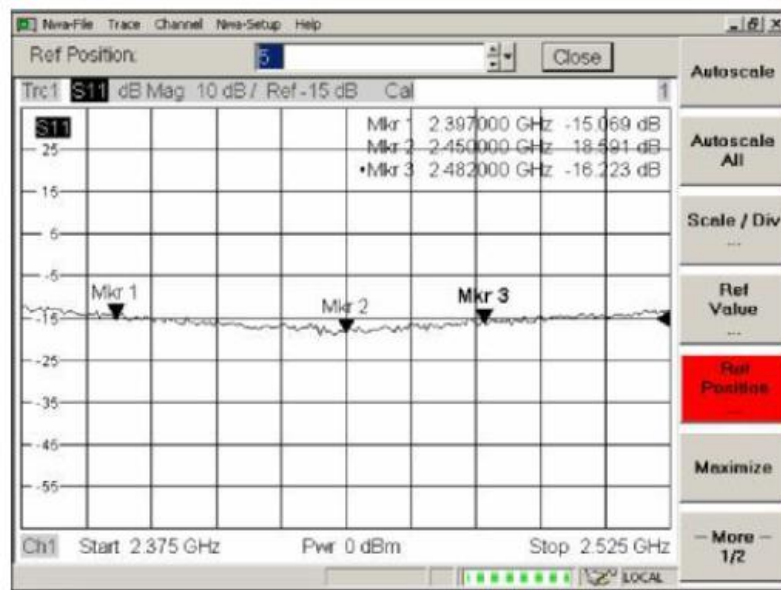
② Smith Char

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



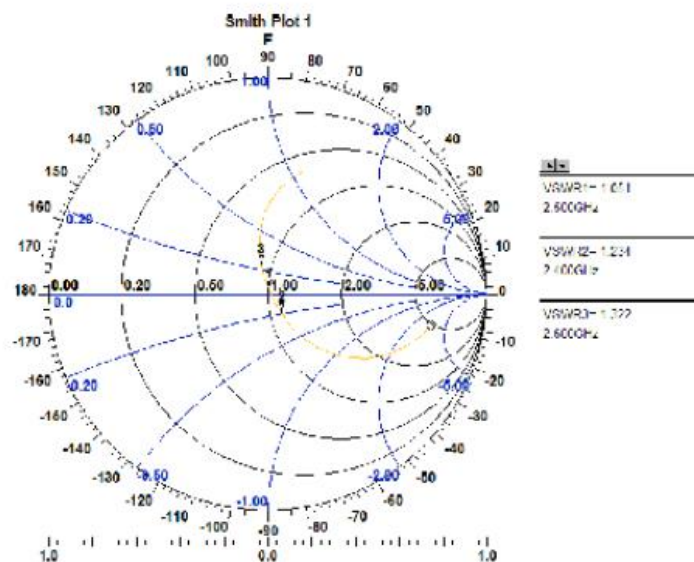
③Return Loss

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



④Smith Char 仿真

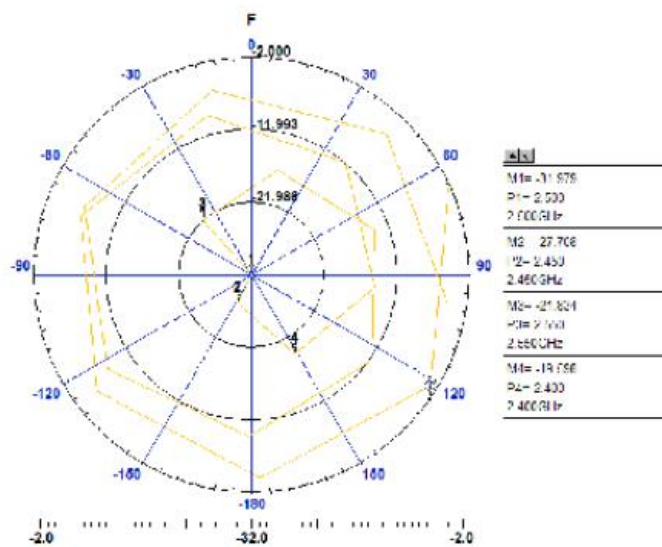
Mkr1: 2400MHz 1.234 Mkr2: 2500MHz 1.051 Mkr3: 2600MHz 1.322



⑤Return Loss 仿真

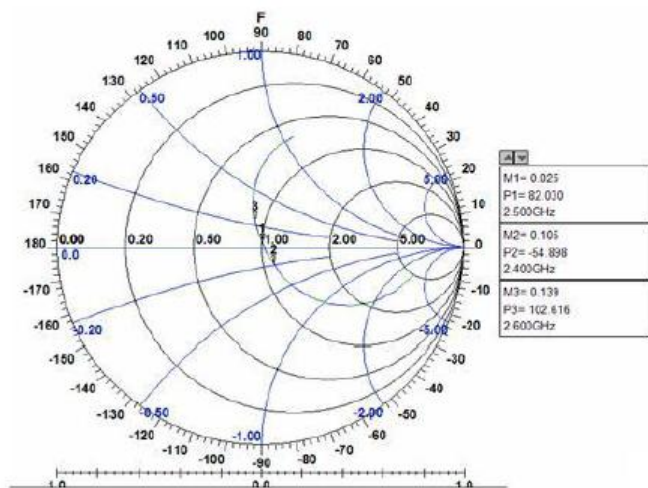
Mkr1: 2400MHz -19.59 Mkr2: 2450MHz -27.70 Mkr3: 2500MHz -31.97

Mkr4: 2550MHz -21.83

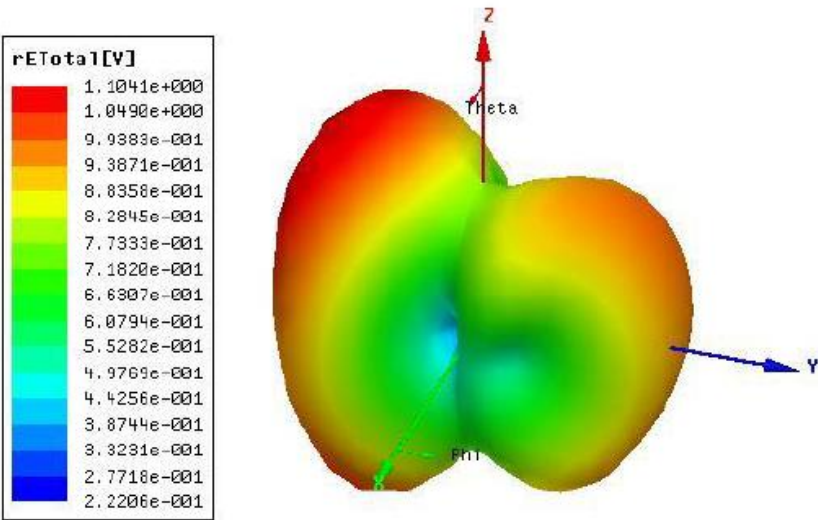


⑥Phase 仿真

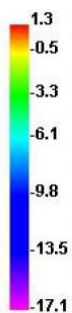
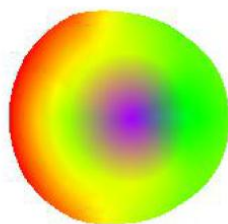
Mkr1: 2400MHz -54.89 Mkr2: 2500MHz -82.03 Mkr3: 2600MHz -102.6



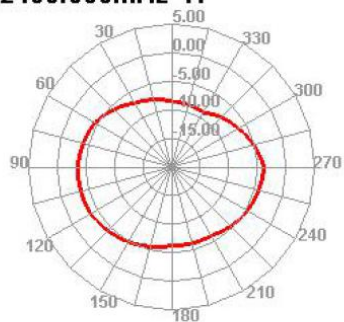
3D 辐射场型图



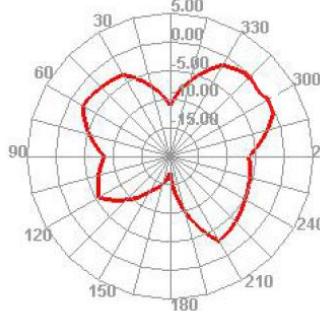
2400.000MHz



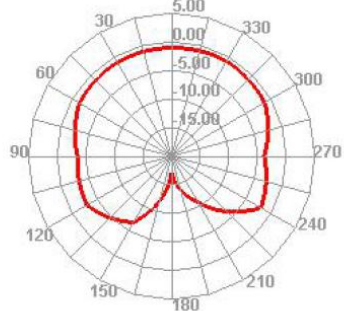
2400.000MHz H



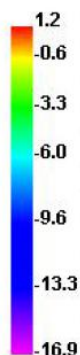
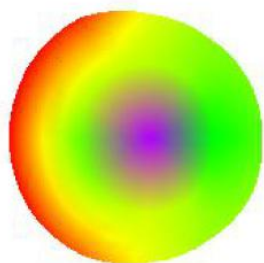
2400.000MHz E1



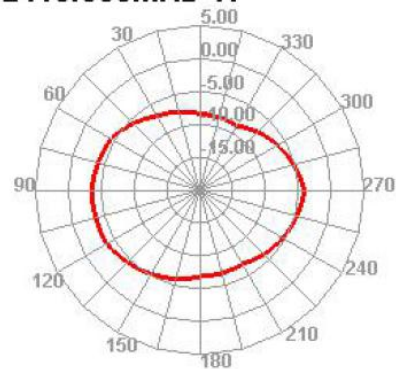
2400.000MHz E2



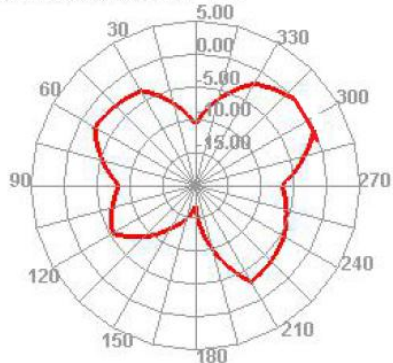
2410.000MHz



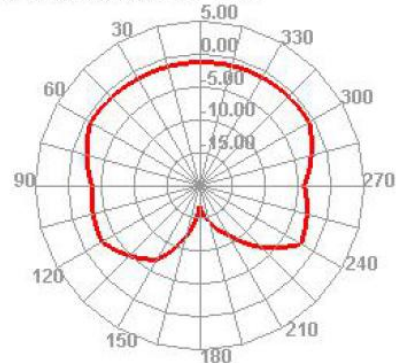
2410.000MHz H



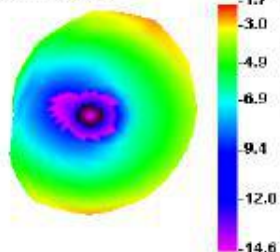
2410.000MHz E1



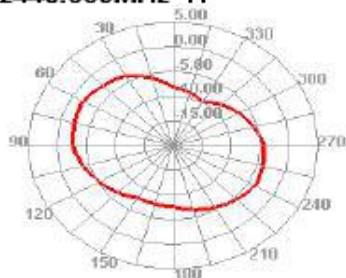
2410.000MHz E2



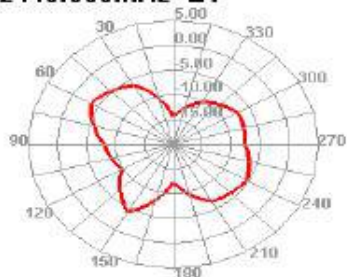
2440.000MHz



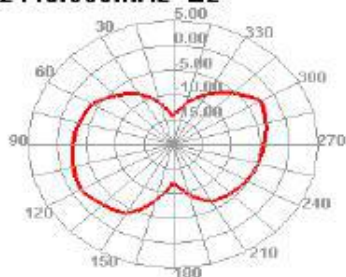
2440.000MHz H



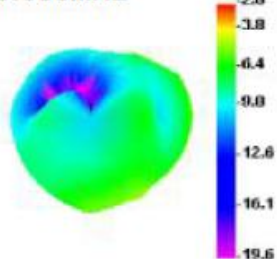
2440.000MHz E1



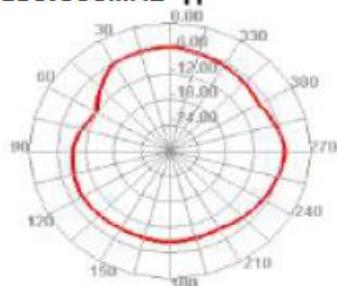
2440.000MHz E2



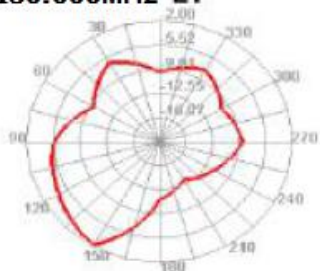
2480.000MHz



2480.000MHz H



2480.000MHz E1



2480.000MHz E2

