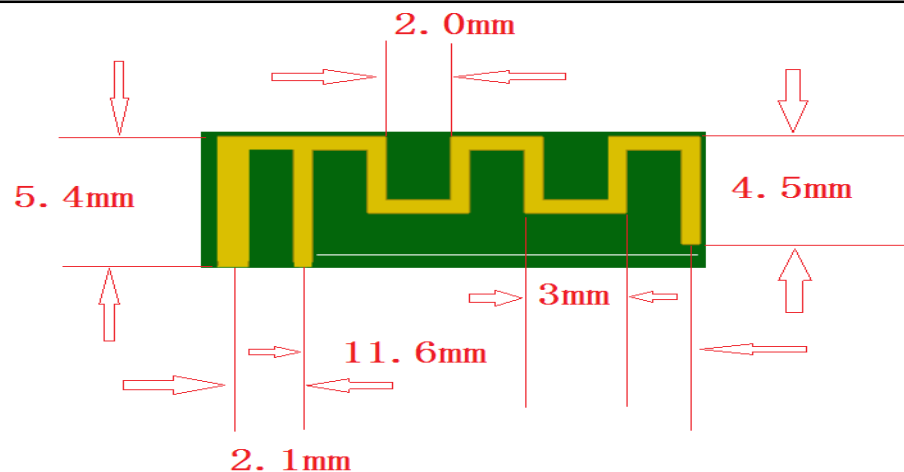


Shenzhen Atno Communication Equipment Co., Ltd.

Antenna test report

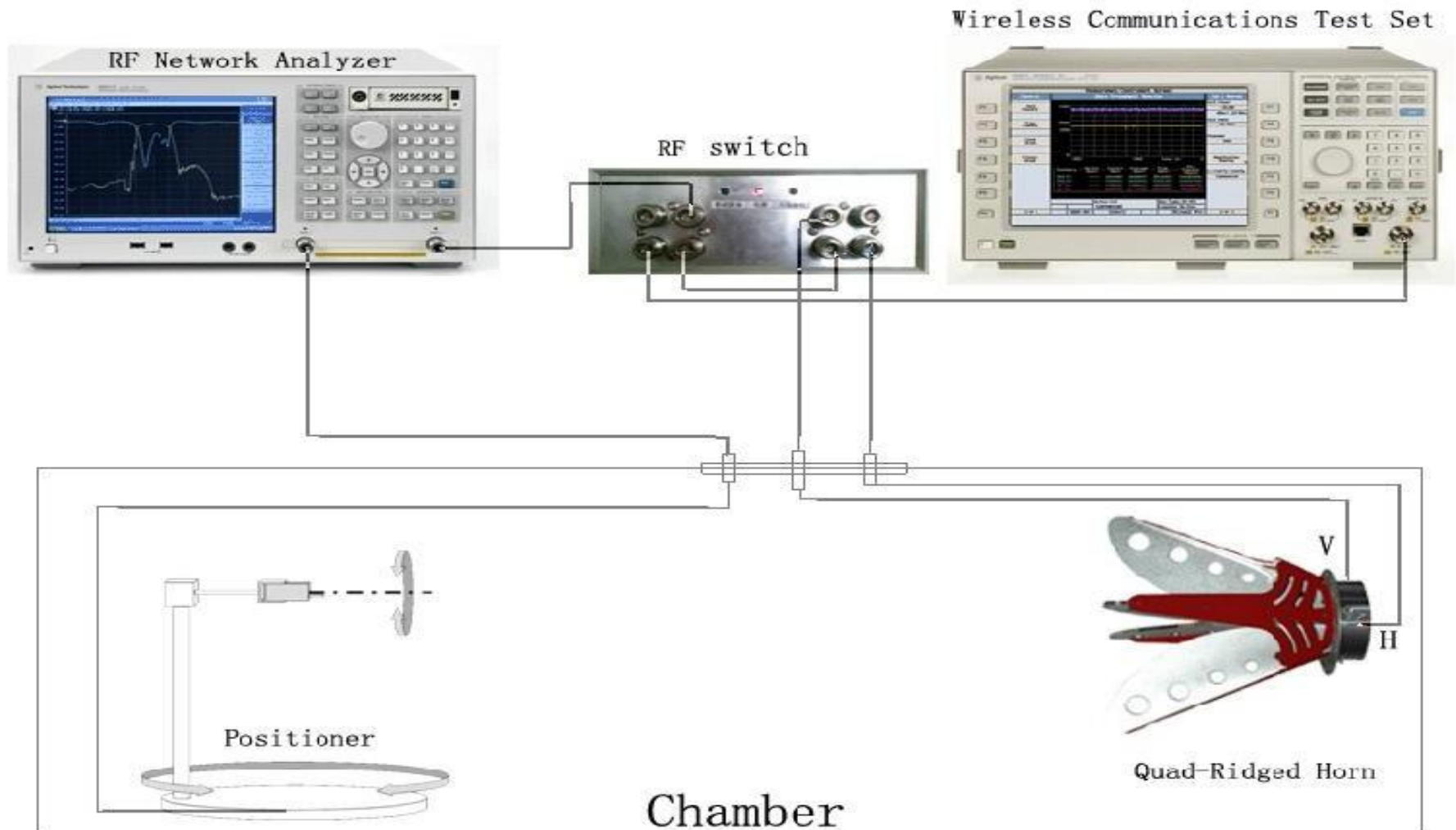
Client:		project	Bowie	Date	2024.05.13
frequency band	2.4G-2.48G				
version	V1.0				
Antenna type	PCB Antenna				



Address: Room 504-505, Summer Valley, Meisheng Chuanggu, Longchang Road, Xinan Street, Baoan

District, Shenzhen City TEL:0755-29308863 Fax:0755-29308861

# Test system



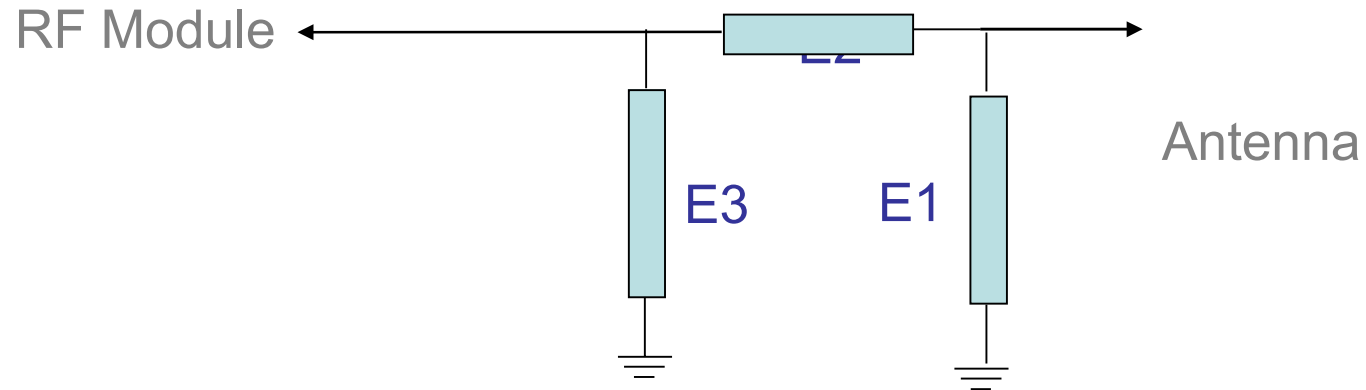
# contents

- 1、 Matching circuit
- 2、 Passive test data

## ATN antenna

1、Mctchincircuit

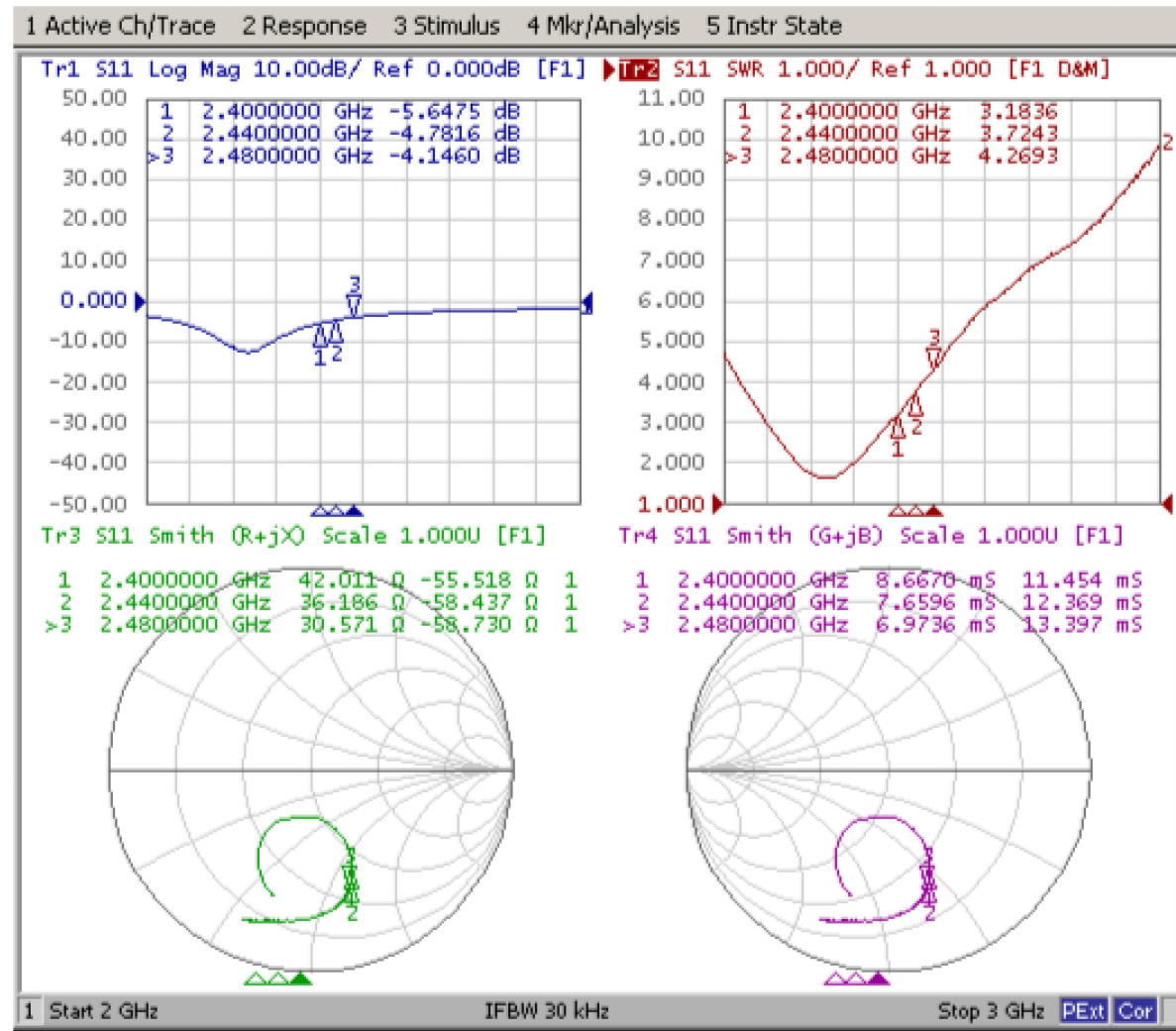
2、launcher



Element	Value
E1(0201)	NC
E2(0201)	0R
E3(0201)	NC

## 2、Passive data

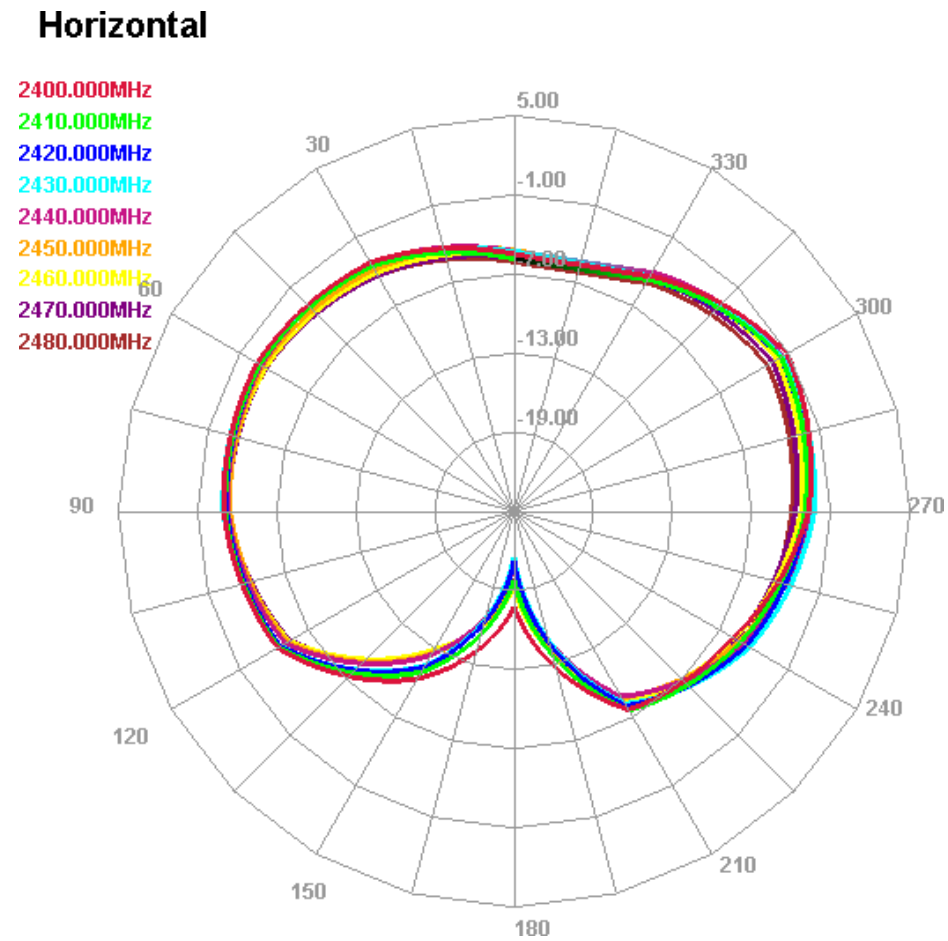
### 2.1 S11 Parameter



## 2.2 Gain & Efficiency

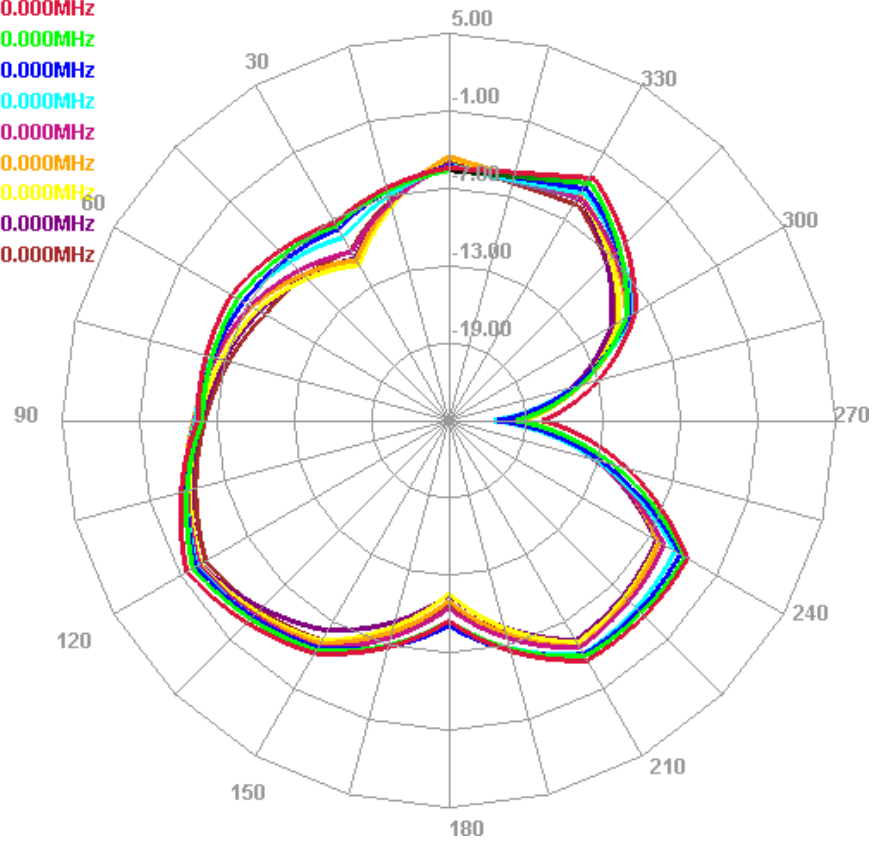
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	50.39	-2.98	1.78
2410	46.02	-3.37	1.25
2420	43.55	-3.61	0.74
2430	43.5	-3.62	0.48
2440	40.01	-3.98	-0.15
2450	39.26	-4.06	-0.17
2460	37.18	-4.3	-0.3
2470	35.83	-4.46	-0.2
2480	34.69	-4.6	-0.72

## 2.3 Radiation pattern (dBi)



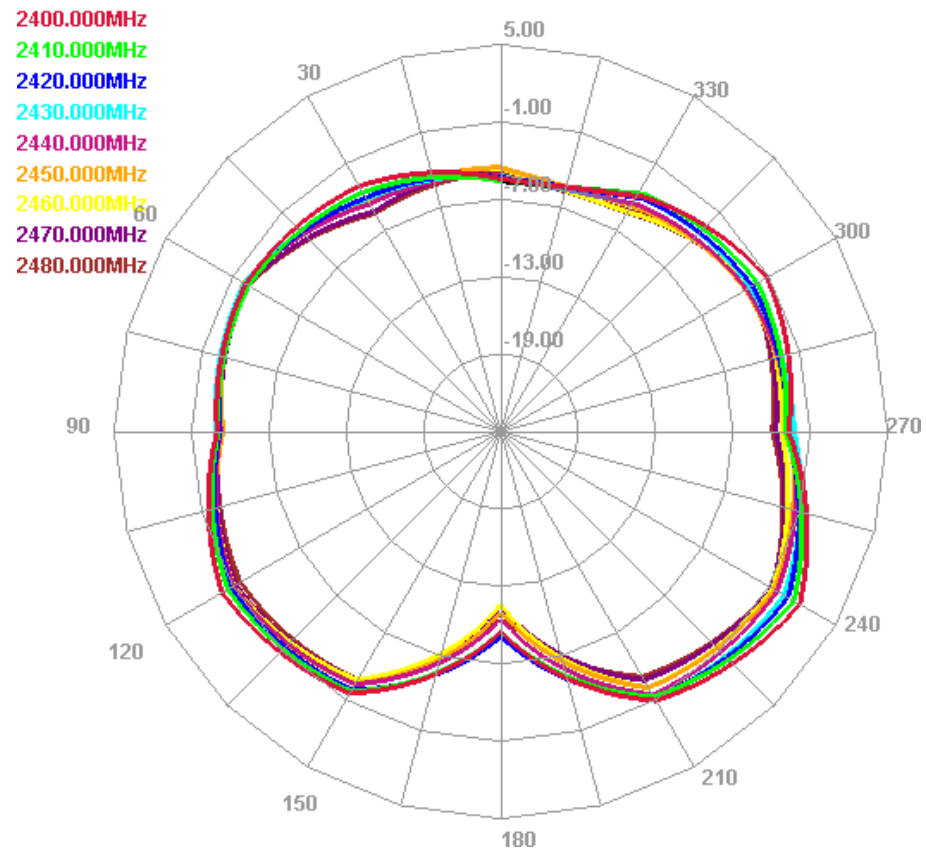
**E1 Face**

- 2400.000MHz
- 2410.000MHz
- 2420.000MHz
- 2430.000MHz
- 2440.000MHz
- 2450.000MHz
- 2460.000MHz
- 2470.000MHz
- 2480.000MHz



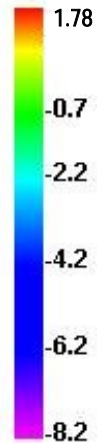
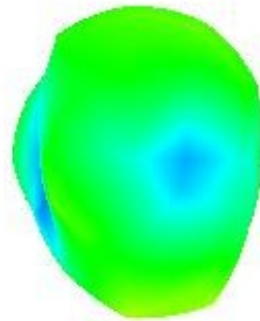


## E2 Face

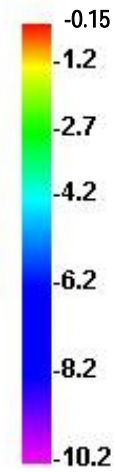
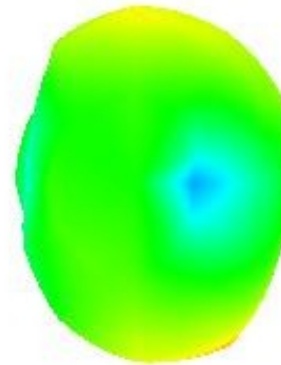


(dBi)

2400.000MHz



2440.000MHz



2480.000MHz

