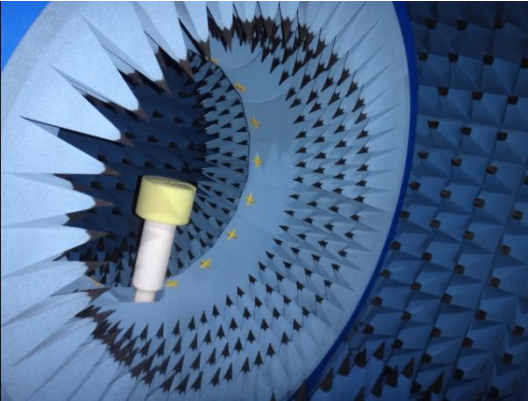
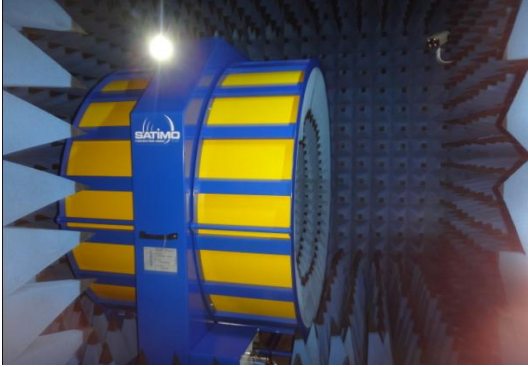


## Antenna specification



Customer name	金泰谊	Model	KP36H
Frequency range	Bluetooth/WIFI 2400-2500MHz 5150-5850MHz	Structure	PIFA Antenna
		Date	2024/4/11



Testing environment

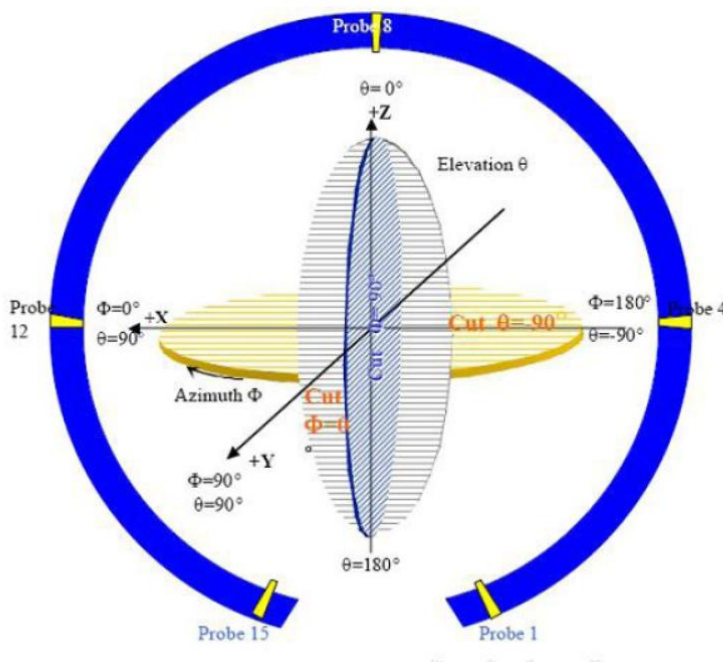
**Antenna Test Equipment Introduction**

Test of antenna input characteristics using Agilent E5071C

network analyzer; The radiation pattern of the antenna are tested using the Satimo starlab

3D near field Anechoic Chamber , and the instrument is used to CMW500

The test coordinates of the darkroom are as follows:



### Electrical Specification

#### 1) Frequency Requirements

.Antenna working band at **2400-2500MHz&5150-5850MHz**

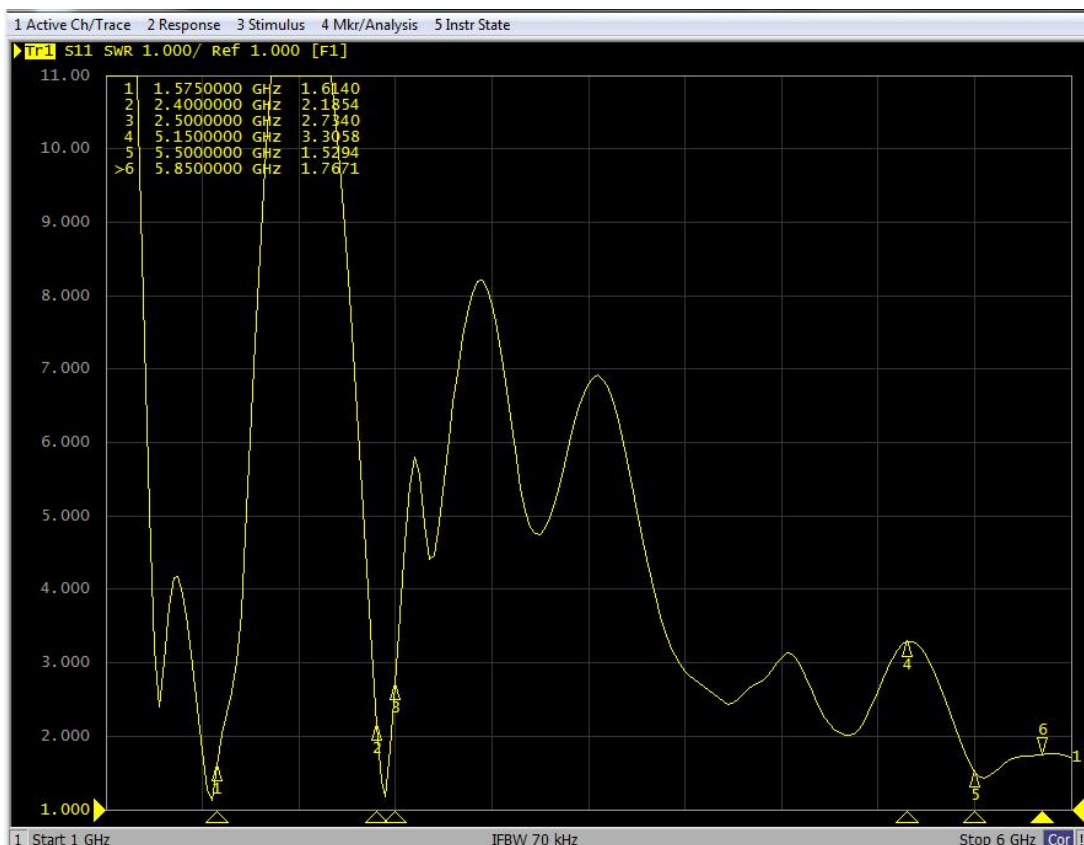
Resonate in this frequency band.

#### 2 ) Passive S11 parameter

Measuring Method is a 50Ωcoaxial cable is connected to the antenna.

Then this cable is connected to a network analyzer to measure the S11 parameter, Keeping this fixture away from metal

at least 20cm



#### VSWR Result

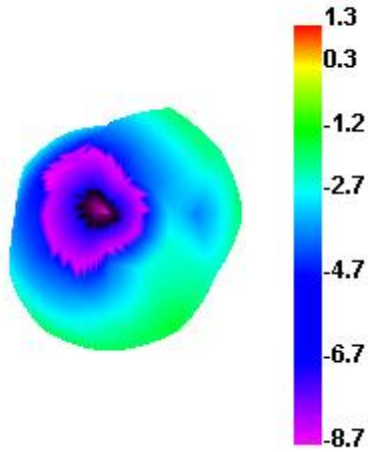
Frequency	2400	2500	5150	5850
VSWR	2.1	2.7	3.3	1.7

**Efficiency and Gain Value Result:**

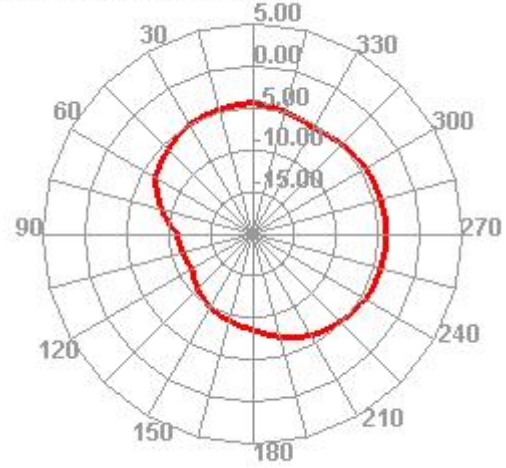
			Freq (MHz)	Effi (%)	Gain (dBi)
			5150	38.44	0.81
			5200	37.3	0.96
			5250	40.44	1.36
			5300	32.38	0.44
			5350	32.4	0.14
			5400	34.96	-0.07
			5450	41.47	1.08
			5500	41.04	1.14
			5550	40.13	1.52
			5600	31.18	1
			5650	30.38	0.77
Freq (MHz)	Effi (%)	Gain (dBi)	5700	34.41	0.89
			5750	41.16	1.34
2400	30.15	0.57	5800	37.64	0.73
2410	31.03	1.26	5850	37.08	0.72
2420	36.86	1.89			
2430	42.77	2.44			
2440	49.3	2.96			
2450	53.26	3.25			
2460	56.85	3.5			
2470	55.17	3.36			
2480	57.51	3.58			
2490	48.1	2.82			
2500	45.52	2.66			

## 2D Pattern

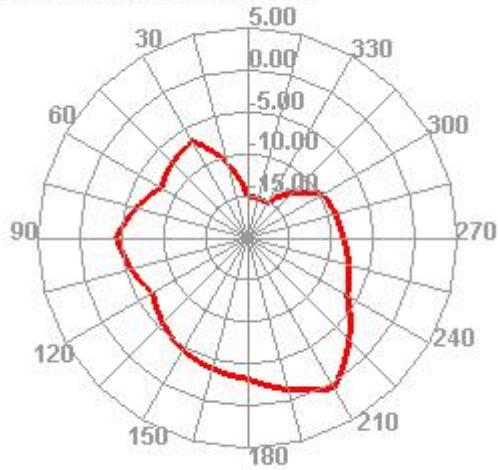
2410.000MHz



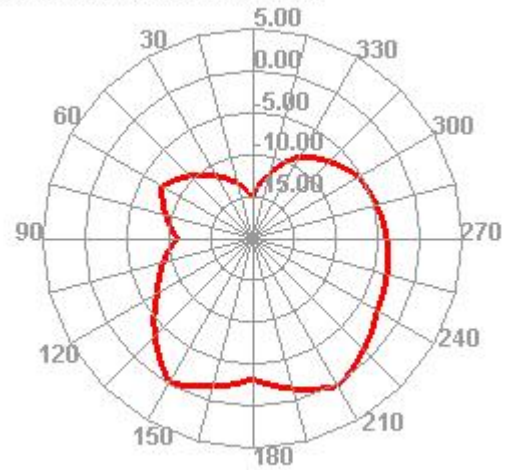
2410.000MHz H



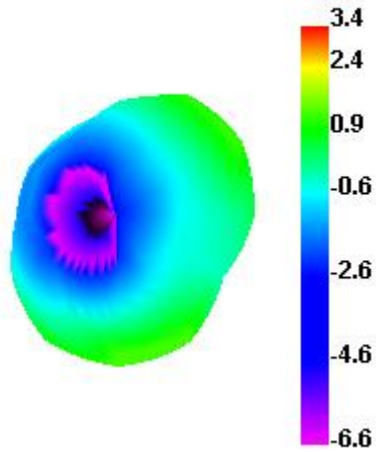
2410.000MHz E1



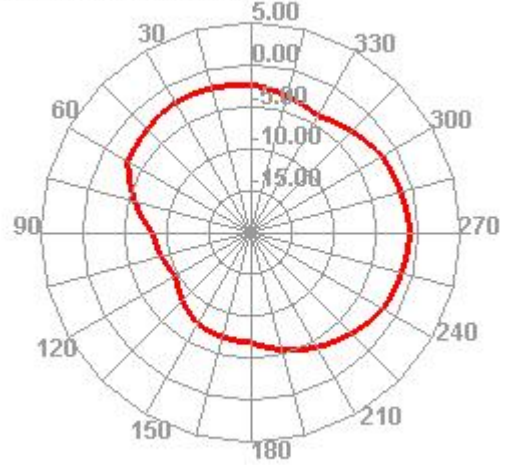
2410.000MHz E2



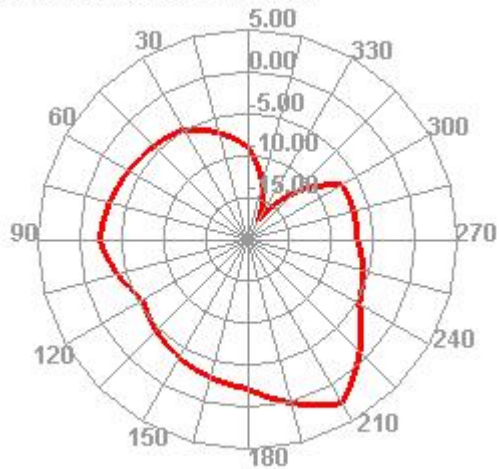
2470.000MHz



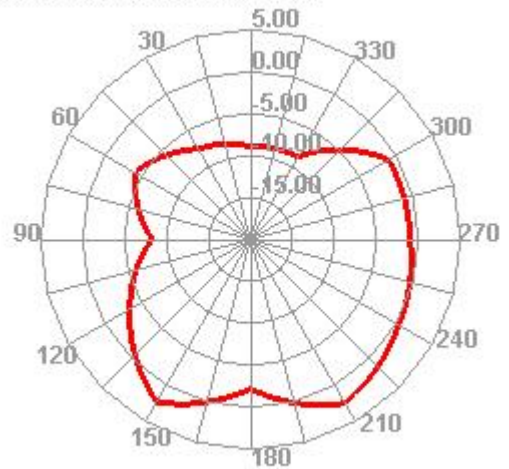
2470.000MHz H



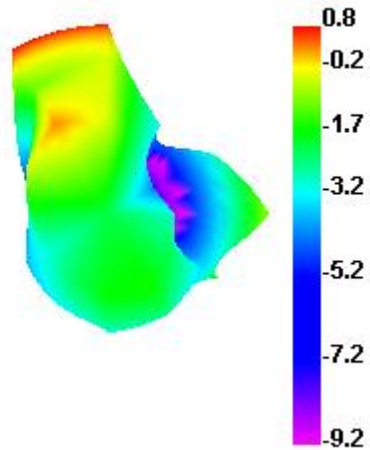
2470.000MHz E1



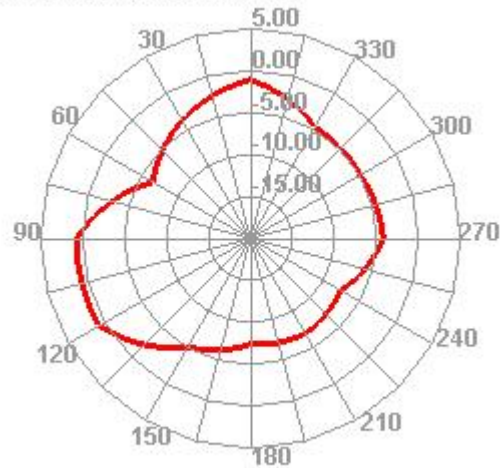
2470.000MHz E2



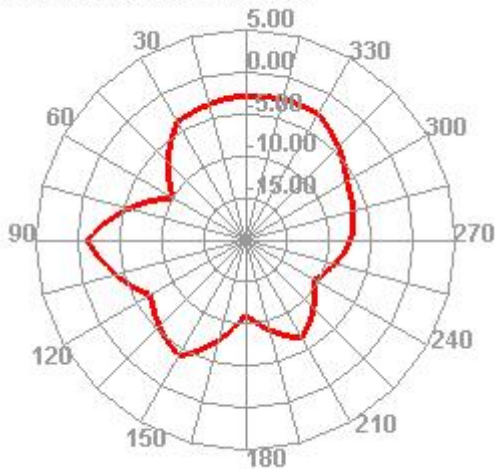
5150.000MHz



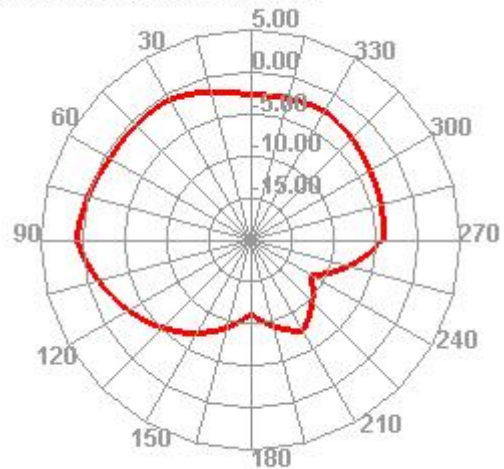
5150.000MHz H



5150.000MHz E1

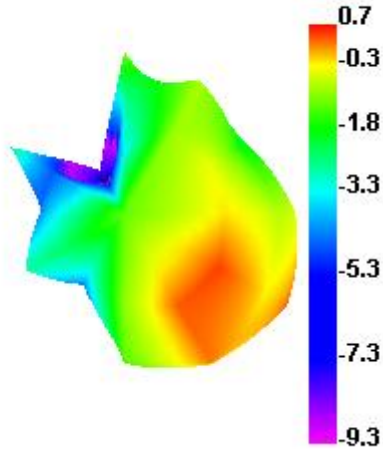


5150.000MHz E2

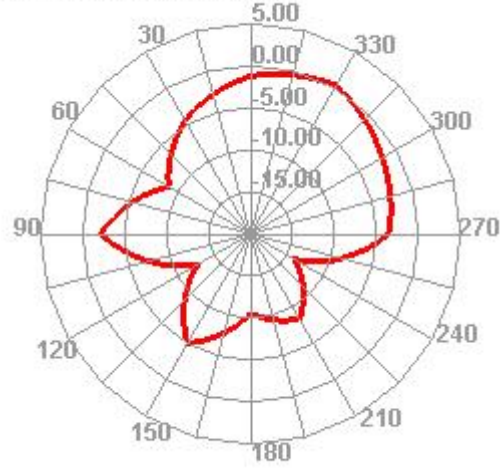




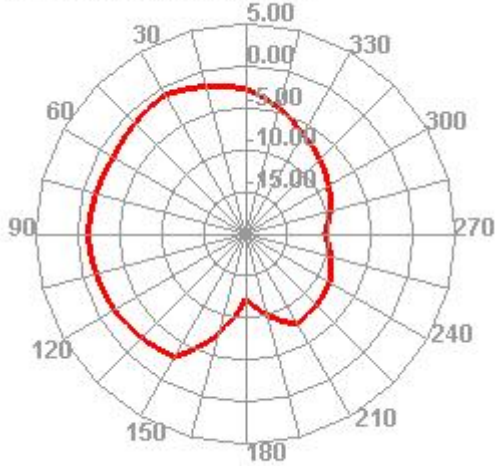
5850.000MHz



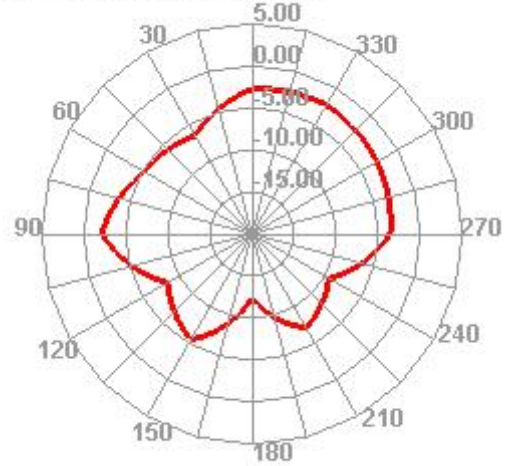
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



Antenna Picture Size:

