

# SPECIFICATION FOR APPROVAL

(Version: A01)

CUSTOMER NAME: 东莞精恒电子有限公司

PRODUCT NAME: 天線-RS

PRODUCT MODEL: 2.4GHz (Φ2×70mm)

CUSTOMER P/N: HF00161

KTECH P/N:

VERSION DATE: 2022/11/25

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Sign( ): \_\_\_\_\_

SHENZHEN KTECH TELECOM TECH. CO., LTD			
LISTER	ME CHECKED	RF CHECKED	MANAGER CHECKED
	武 勇	林建文	



SHENZHEN KTECH TELECOM TECH. CO., LTD

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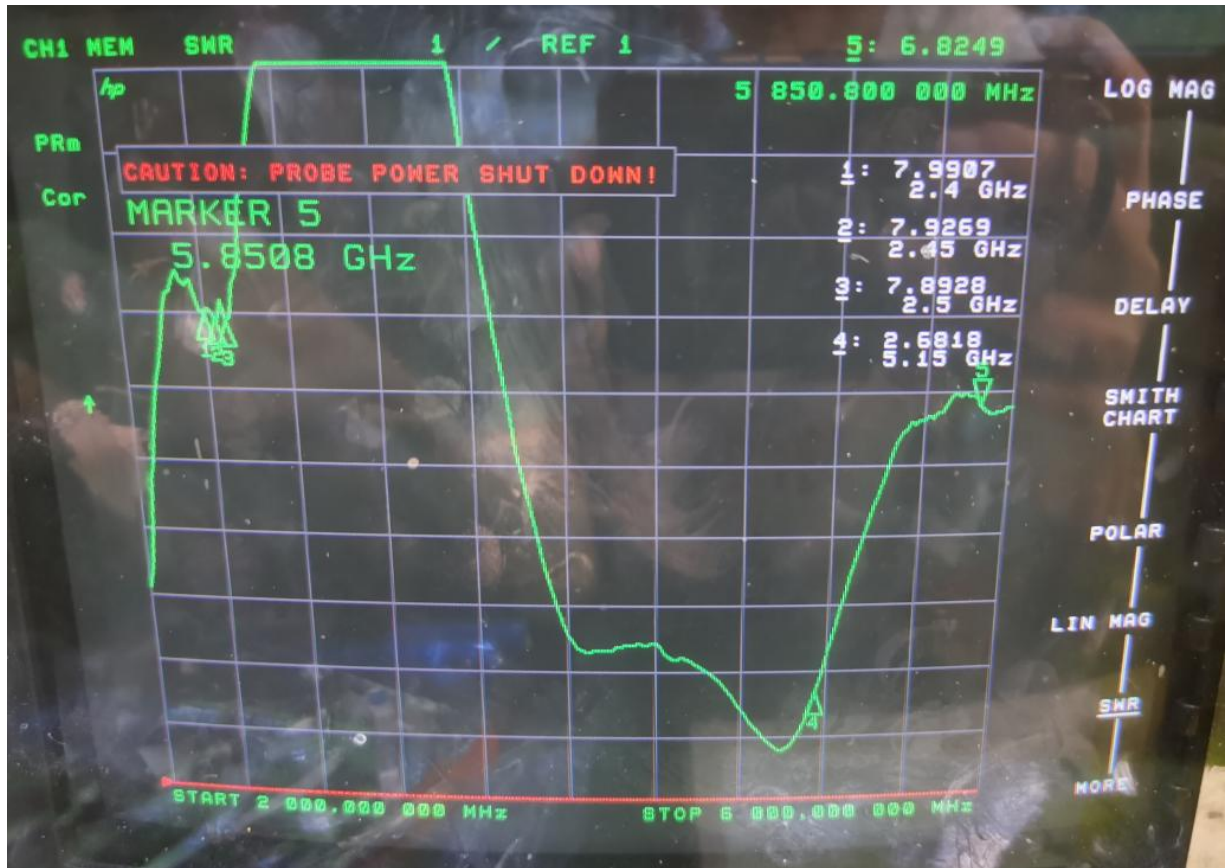
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## Electrical Performance Index

	2.4GHz (Φ2×70mm)	Model	2.4GHz (Φ2×70mm)
		Main Technical Specifications	
频率范围 (MHz)	2400-2500	Frequency Range (MHz)	2400-2500
频带宽度 (MHz)	100	Bandwidth (MHz)	100
电压驻波比	对比波形	VSWR	Contrast waveform
增益 (dB)	0.9	Gain (dB)	0.9
输入阻抗 (Ω)	50	Input Impedance (Ω)	50
极化形式	/	Polarization	/
长度 (mm)	70±2	Length (mm)	70±2
接口形式	/	Connector Type	/
工作温度	-30~60C°	Operation temperature	-30~60C°
储藏温度	-30~75C°	Store temperature	-30~75C°

### Reliability test report

### Standing Wave Diagram



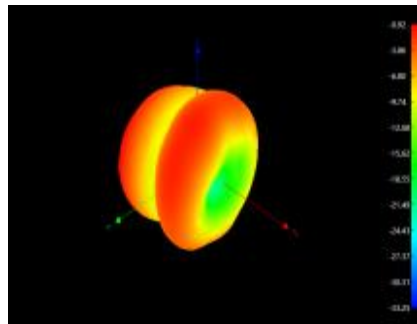
Return loss figure



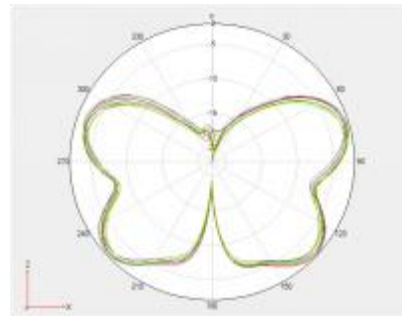
Microwave Anechoic Chamber Test Project-Gain、Efficiency、 Directions

Frequency ( MHz)	Directivity ( dBi)	Efficiency ( dB)	Efficiency ( %)	Gain ( dB)
2400	6.53	-4.85	32.73	-0.92
2450	6.72	-4.47	35.73	-0.39
2500	6.81	-5.24	29.92	-1.27

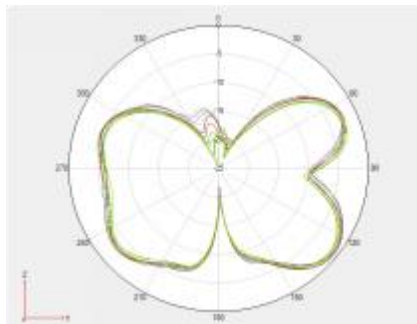
2400MHz



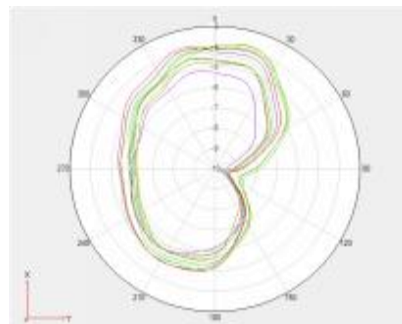
2400MHz Phi 0



2400MHz Phi 90

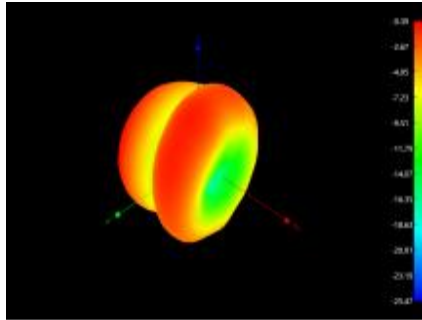


2400MHz Theta 90

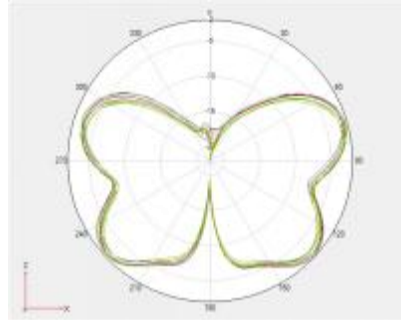


Radiation Pattern @2400mhZ

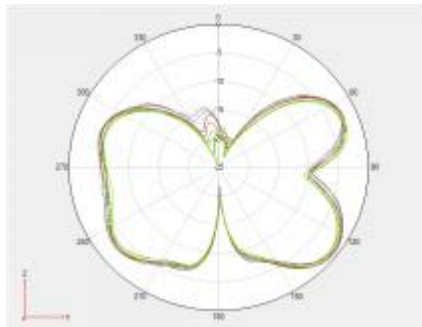
2450MHz



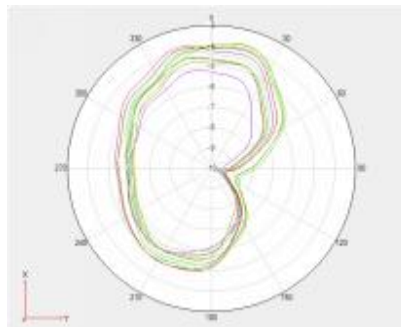
2450MHz Phi 0



2450MHz Phi 90

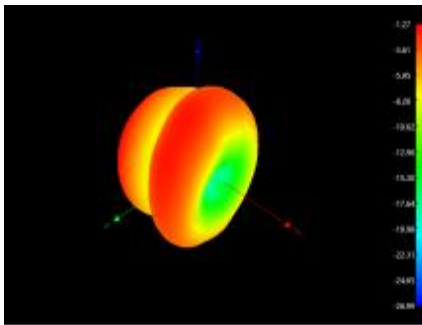


2450MHz Theta 90

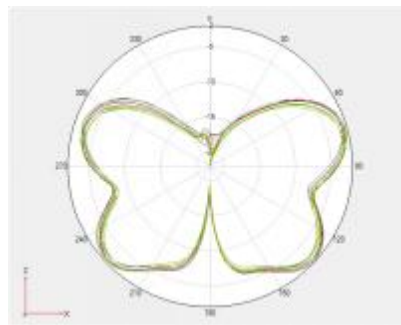


Radiation Pattern @2450mhZ

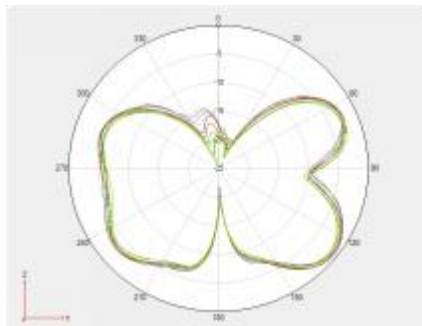
2500MHz



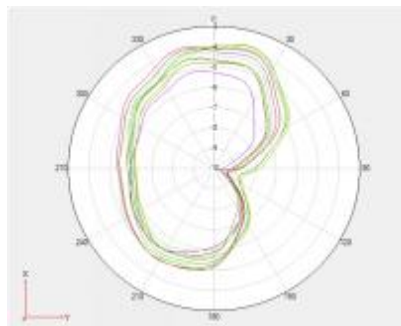
2500MHz Phi 0



2500MHz Phi 90



2500MHz Theta 90



Radiation Pattern @2500mhZ



## 6.4 天线测试环境及设备

### Antenna test environment and equipment

