

东莞市思博通讯有限公司

Dongguan Sibocommunication Co., Ltd

规格承认书

SPECIFICATION FOR APPROVAL

日期 2025/11/10
Date

编号 25111001
File No

版本 3.0
Revision

客户
CUSTOMER:

深圳市金葵花科技有限公司

客户料号

天线Antenna

品名
PART NAME:

5.8G铜管天线 Copper tube antenna

供方料号

SUPPLIER NO:

S-JKH250912

送样日期Date:2025-06-04

送样数量Q “TY:50PCS

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR
供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
Zhang	Zhang	Wei

承认书项目表

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11	-	-	-
12	-	-	-

RoHS

Compatible

CUSTOMER 深圳市金葵花科技有限公司

PART NO

REV.

A

DESCRIPTION

首次发行

DATE

2025-09-12

100.0±3.0

78.0±3.0

1

2

3

4

SIGBRO

东莞市思博通讯有限公司
Dongguan Sibo Communication Co., Ltd

PART NAME:5.8GHz Copper Tube Antenna

PART NO.: S-JKH250912

DATE: 2025-09-12

APPROVED BY

CHECKED BY

DESIGNED BY

UNITS: mm

SCALE: 1/1

REVISION: A

Wei

Tolerance
X.X ±3.0
X.XX±0.50
X° ±3°

4	Hot Shrink Tube	L29.0mm/Ø4.0mm,Black	EVA	1
3	Copper Tube	Ø4.4*10.5*1.4mm	Cu	1
2	Coaxial Cable	O.D 1.13,Black	O.D 1.13	1
1	IPEX-1	IPEX 1代 Cu Au Plated	Cu	1
NO	PART NAME	DESCRIPTION	Material	Q.TY

天线规格

Antenna Specification

Electrical Properties	
Frequency	5150MHz~5850MHz
Impedance	50 Ohm Nominal
V.S.W.R	≤1.5(Max)
Return Loss	≤-10(Max)
Radiation	Omnidirectional
Gain (Peak)	3.98dBi(Max)
Polarization	Linear
Connector	IPEX-1
Physical Properties	
Antenna Material	Cu
Cable Type	O.D 1.13
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	black

Antenna Performance Test

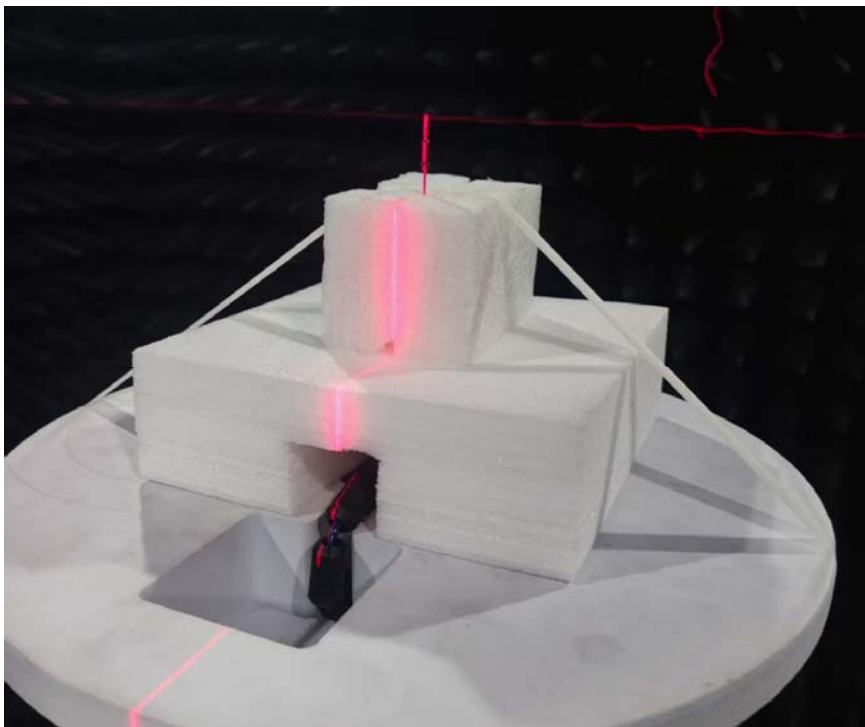
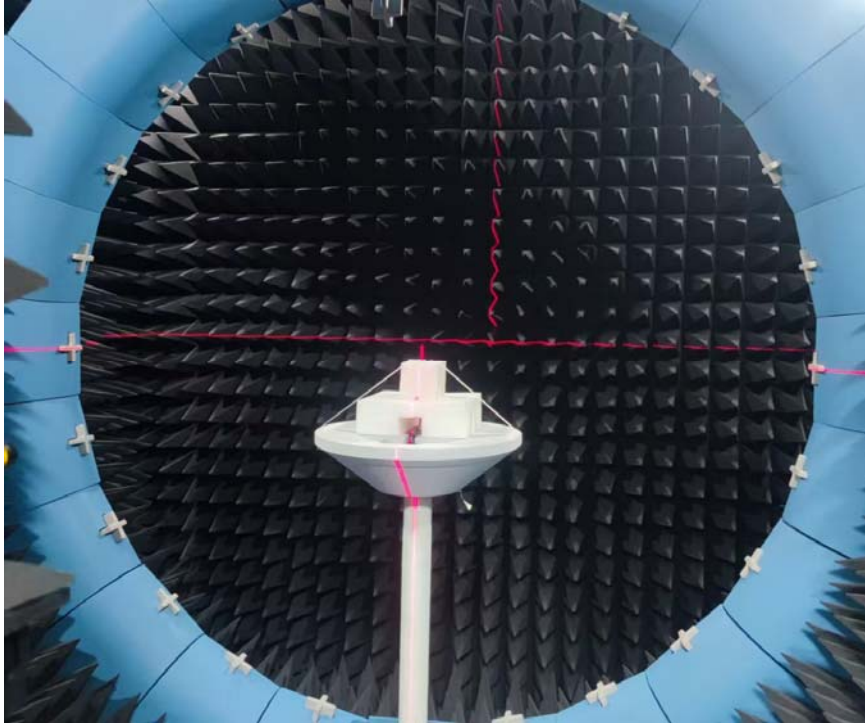
Agilent E5071C



S Parameter Test // WIFI



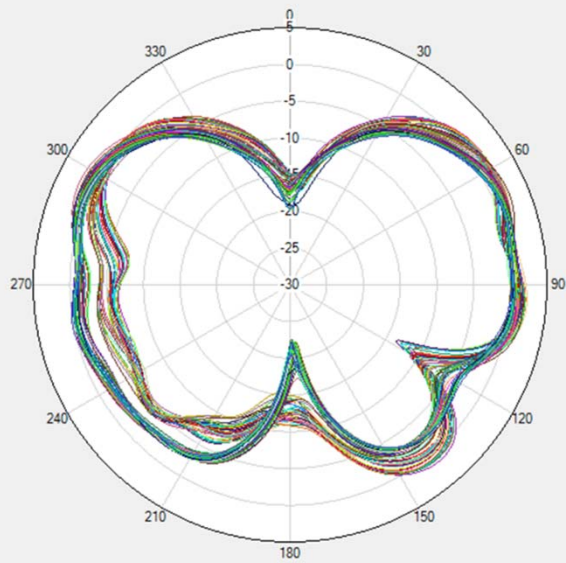
Antenna Passive Test



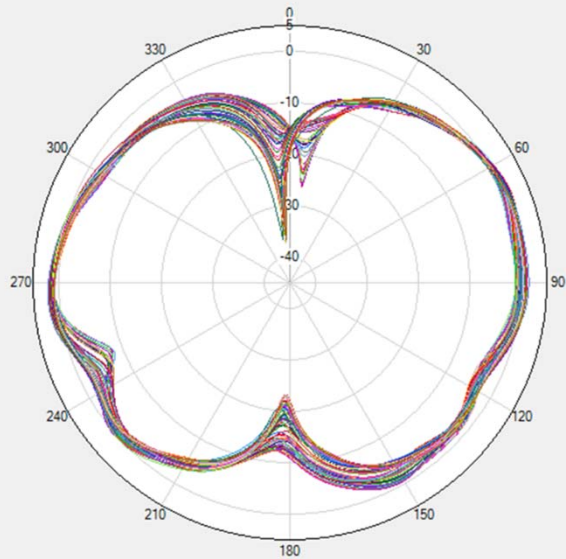
Passive Test For Antenna(5150/5850Mhz)			
Freq (MHz)	Gain (dBi)	Effi (dB)	Effi (%)
5150	2.86	-1.07	78.16
5180	3.4	-1.12	77.27
5200	3.53	-1.1	77.62
5220	3.68	-1.11	77.45
5240	3.98	-0.96	80.17
5250	3.98	-0.87	81.85
5300	3.53	-1.12	77.27
5350	3.53	-1.15	76.74
5400	3.7	-0.92	80.91
5450	3.54	-1.14	76.91
5500	2.92	-0.78	83.56
5550	2.43	-1.1	77.62
5600	2.48	-0.81	82.99
5650	2.1	-1.04	78.7
5700	2.09	-1	79.43
5750	1.65	-1.05	78.52
5800	1.44	-1.04	78.7
5850	1.66	-1.08	77.98

Antenna Radiation Pattern

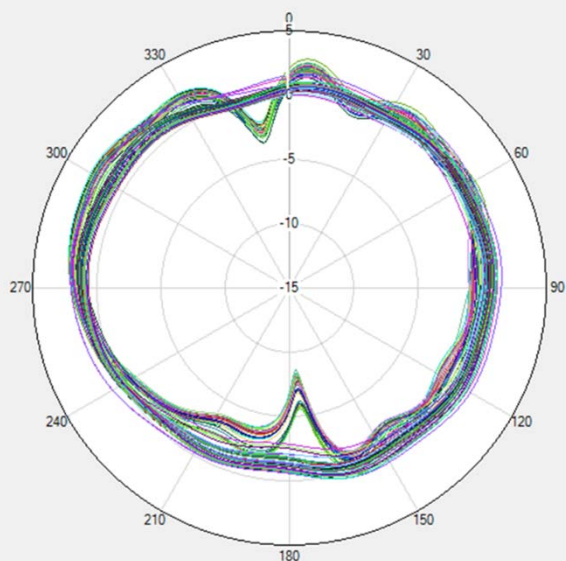
Phi 0 2D



Phi 90 2D

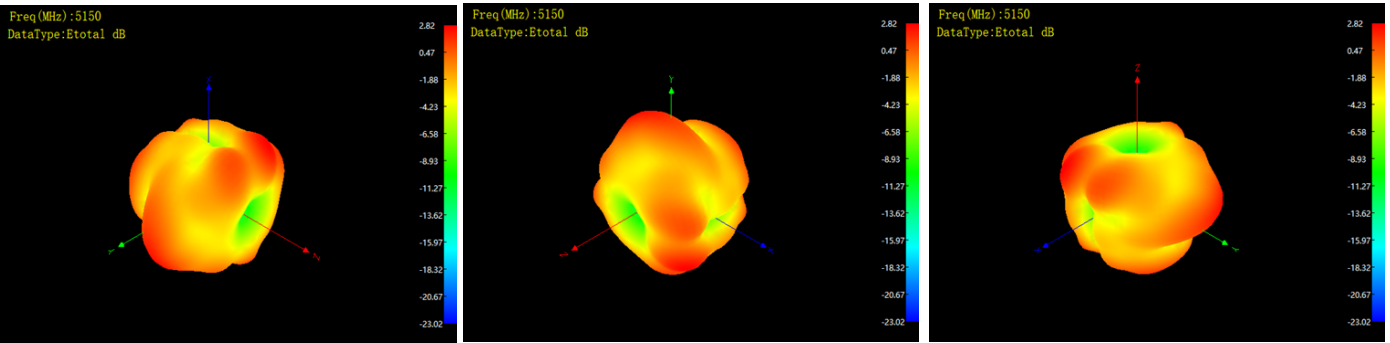


Theta 90 2D

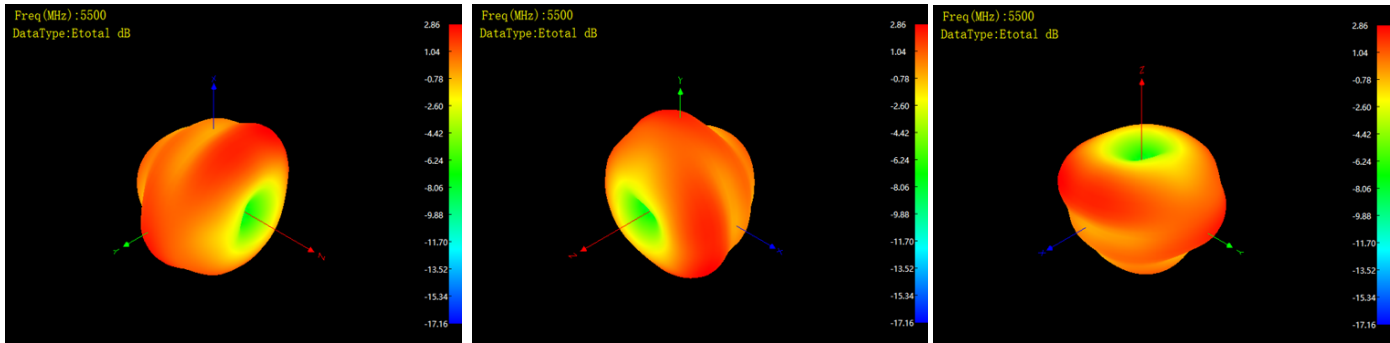


Antenna Radiation Pattern

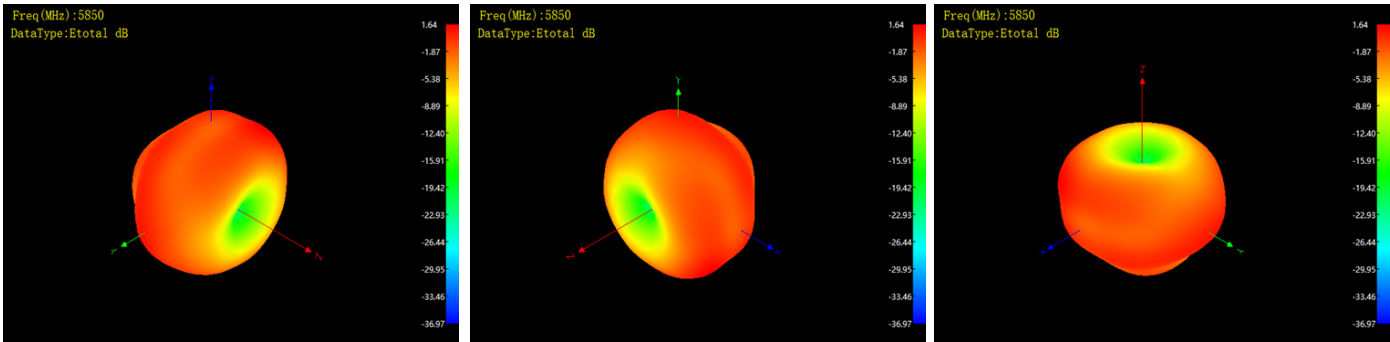
3D 5150:



3D 5500:



3D 5850:



Antenna Photo

