

卡德克斯技术（深圳）有限公司

规格承认书

SPECIFICATION FOR APPROVAL

日期 2025/09/11
Date
编号 25091101
File No
版本 2.0
Revision

客 户 /
CUSTOMER:

客户料号
WT01-T0140

品 名
PART NAME: 5.8G左旋圆极化天线 1.37黑色线 总长度140mm mmcX弯头 无丝印

供方料号
SUPPLIER NO: KD250819A-MG01

送样日期Date:2025-9-10 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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10	N/A	N/A	N/A
11	-	-	-
12	-	-	-

RoHS
Compatible

CUSTOMER
PART NO

REV.

A

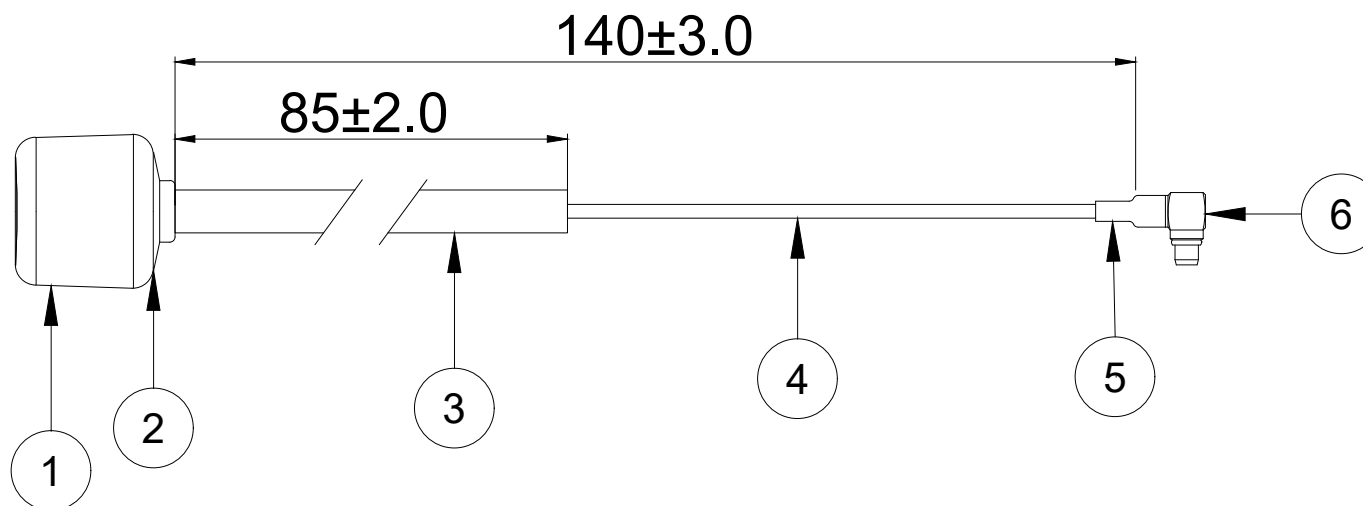
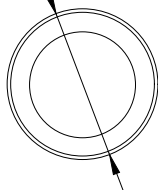
DESCRIPTION

首次发行

DATE

2025-09-11

Ø15.2



6	MMCX 90°	Cu,Au Plated	Cu	1
5	Hot Shrink Tube	L7.0mm/Ø2.5mm Black	PE	1
4	Coaxial Cable	RG-137 低损Black	RG-137低损	1
3	Support Tube	PP, black	PP	1
2	Bottom Base	ABS+PC, black	ABS+PC	1
1	Upper Base	ABS+PC, black	ABS+PC	1
NO	PART NAME	DESCRIPTION	Material	Q.TY

SIGBRO

PART NAME: 5.8GHz Air-Unit Antenna (single) MMCX90° NO LOGO

PART NO.:KD250819A-MG01

DATE: 2025-09-11

APPROVED BY

CHECKED BY

DESIGNED BY

Wei

UNITS: mm

SCALE: 1/1

REVISION: A

Tolerance

X.X ±0.50

X.XX±0.15

X ±3.0

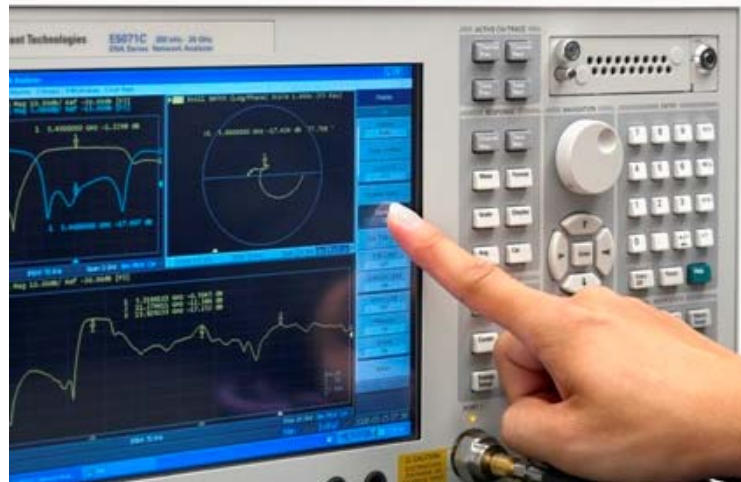
天线规格

Antenna Specification

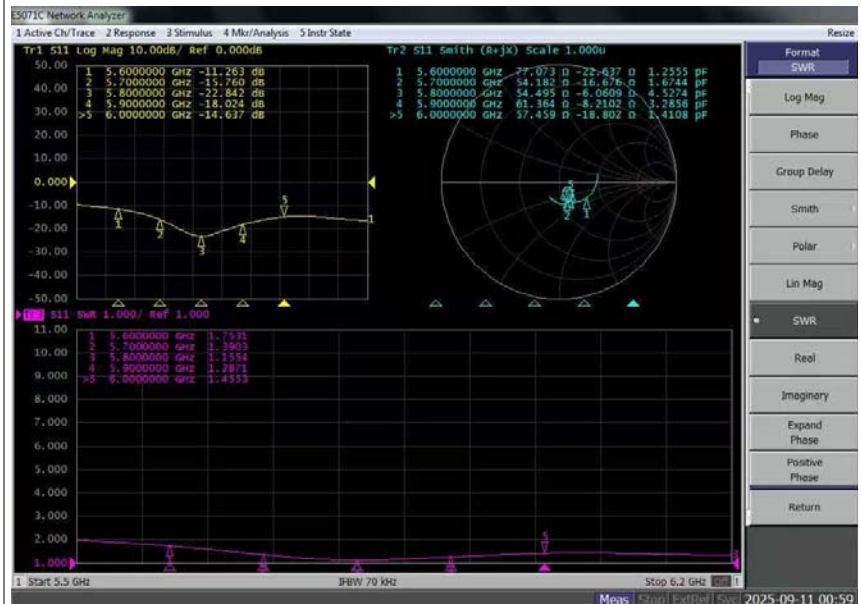
Electrical Properties	
Frequency（频率）	5600MHz-6000MHz
Impedance（输入阻抗）	50 Ohm Nominal
V.S.W.R（驻波比）	≤1.75(Max)
Return Loss（回波损耗）	See S Parameter（详见S参数测试）
Radiation（辐射方式）	Omnidirectional（全指向性）
Gain (Peak)（增益）	≤1.56dBi(Max)
Polarization（极化方式）	LCHP（左旋极化）
Physical Properties	
Antenna Material（天线材质）	Copper（黄铜）
Cover material（外壳材质）	PC/ABS
Cable（同轴线缆）	RG-137黑色低损线
Connector（连接器）	MMCX 90°
Size（尺寸）	详见工程图
Weight（重量）	3.2g
Packing（包装）	袋装（工程包装）

Antenna Performance Test

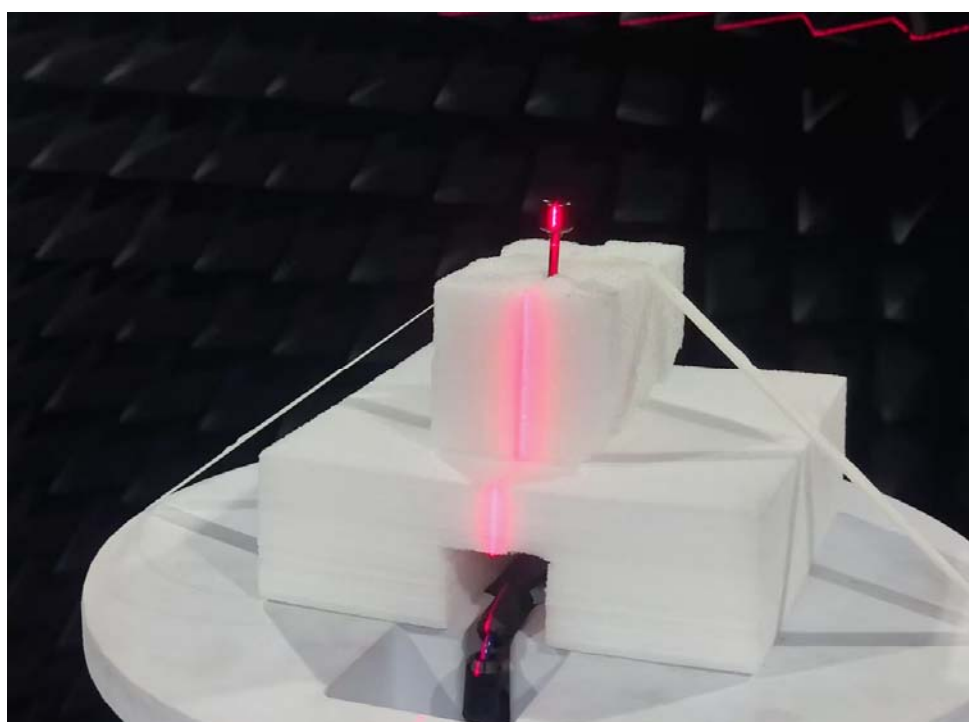
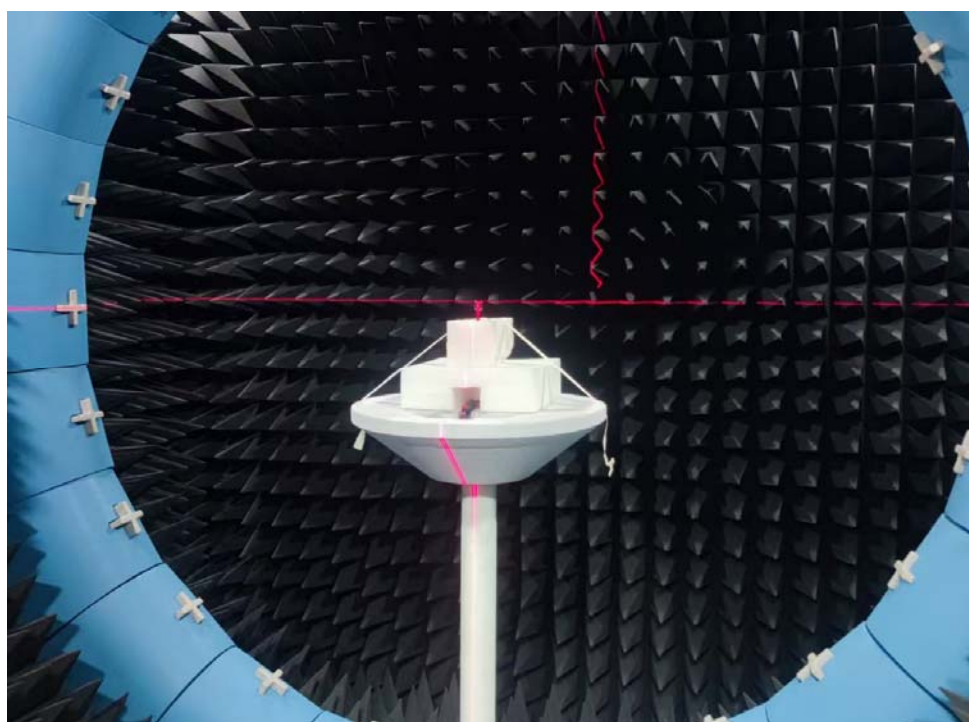
**Agilent
E5071C**



**S
Parameter
Test //
WIFI**



Antenna Passive Test

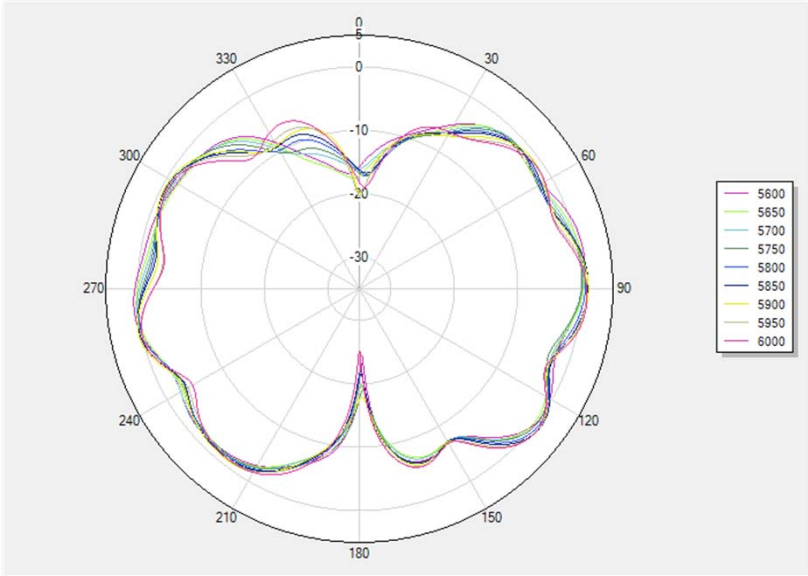


Passive Test For Antenna(5600/6000Mhz)

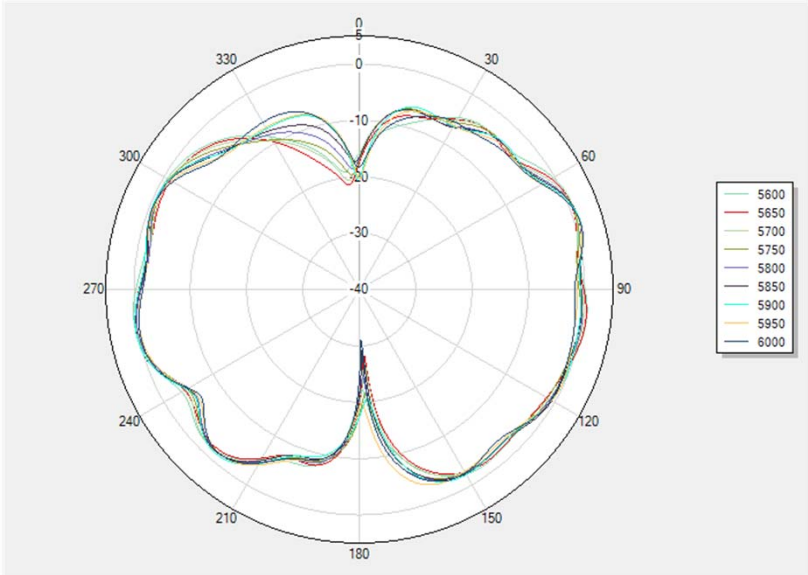
Freq (MHz)	Gain (dBi)	Effi (dB)	Effi (%)
5600	1.32	-1.52	70.47
5650	1.1	-1.73	67.14
5700	0.83	-1.67	68.08
5750	0.81	-1.85	65.31
5800	1.16	-1.68	67.92
5850	1.54	-1.62	68.87
5900	1.46	-1.55	69.98
5950	1.56	-1.86	65.16
6000	1.37	-1.86	65.16

Antenna Radiation Pattern

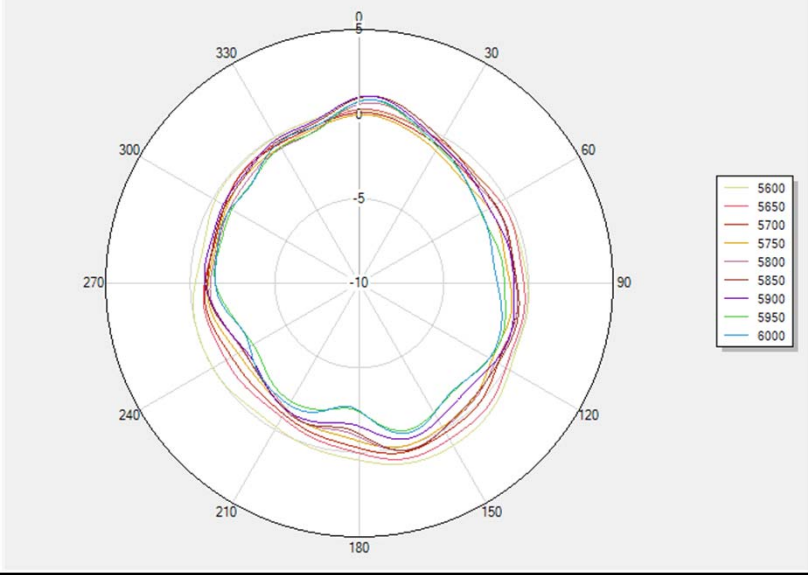
Phi 0 2D



Phi 90 2D

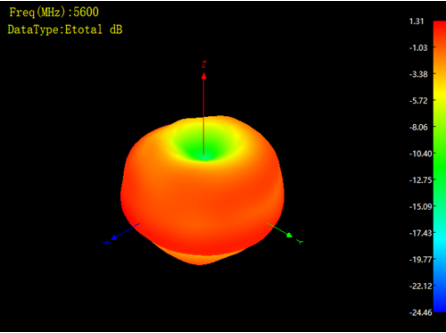
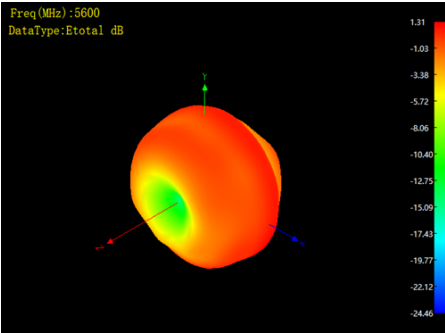
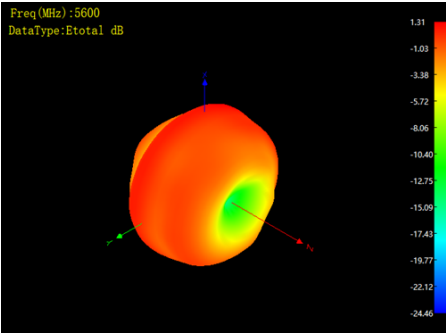


Theta 90 2D

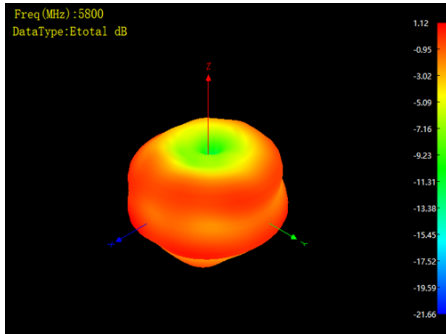
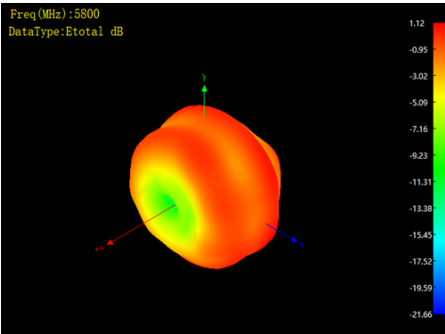
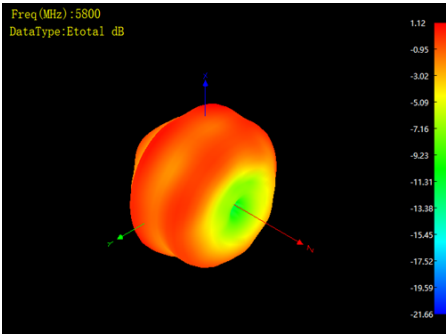


Antenna Radiation Pattern

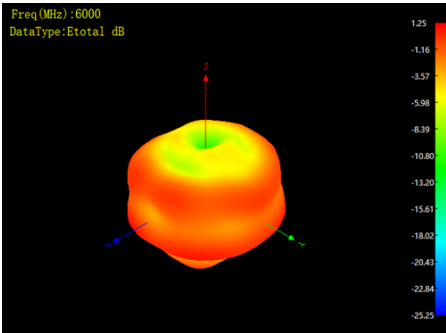
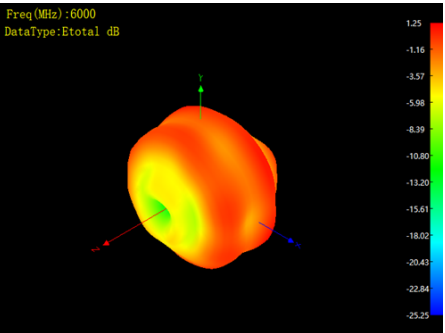
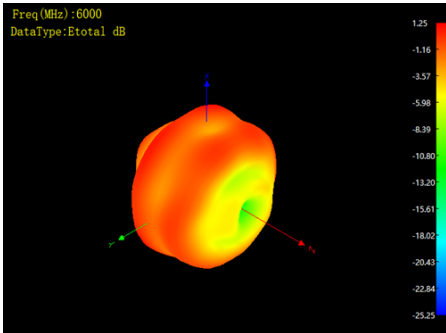
3D 5600:



3D 5800:



3D 6000:



Antenna Photo

