

# 深圳市天联凌科技有限公司

Shenzhen SKYLink Technology Co.,Ltd

## 天线规格书

编号: SLS0A20211130ZCH02

客户名称: 普宙

项目名称: S400 遥控端双频天线

产品描述: 定制调试 高增益双频天线 2.4G/5.8G 增益6db 设计壳料 TNC 内螺纹内针

客户料号:

我司料号: SKS400SPDXD6B01A. TNCMM

板 本: V1.0 (第一次发行)

日 期: 2021-11-30

**此承认书严禁修改**

客户

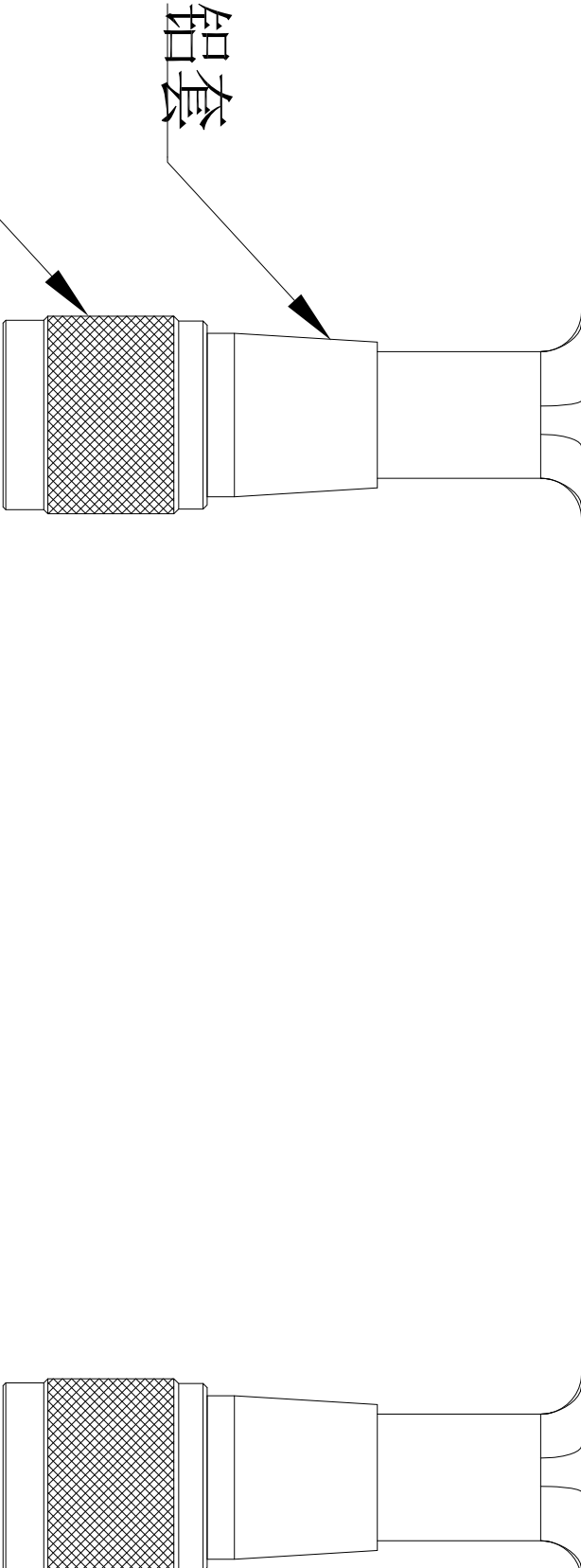
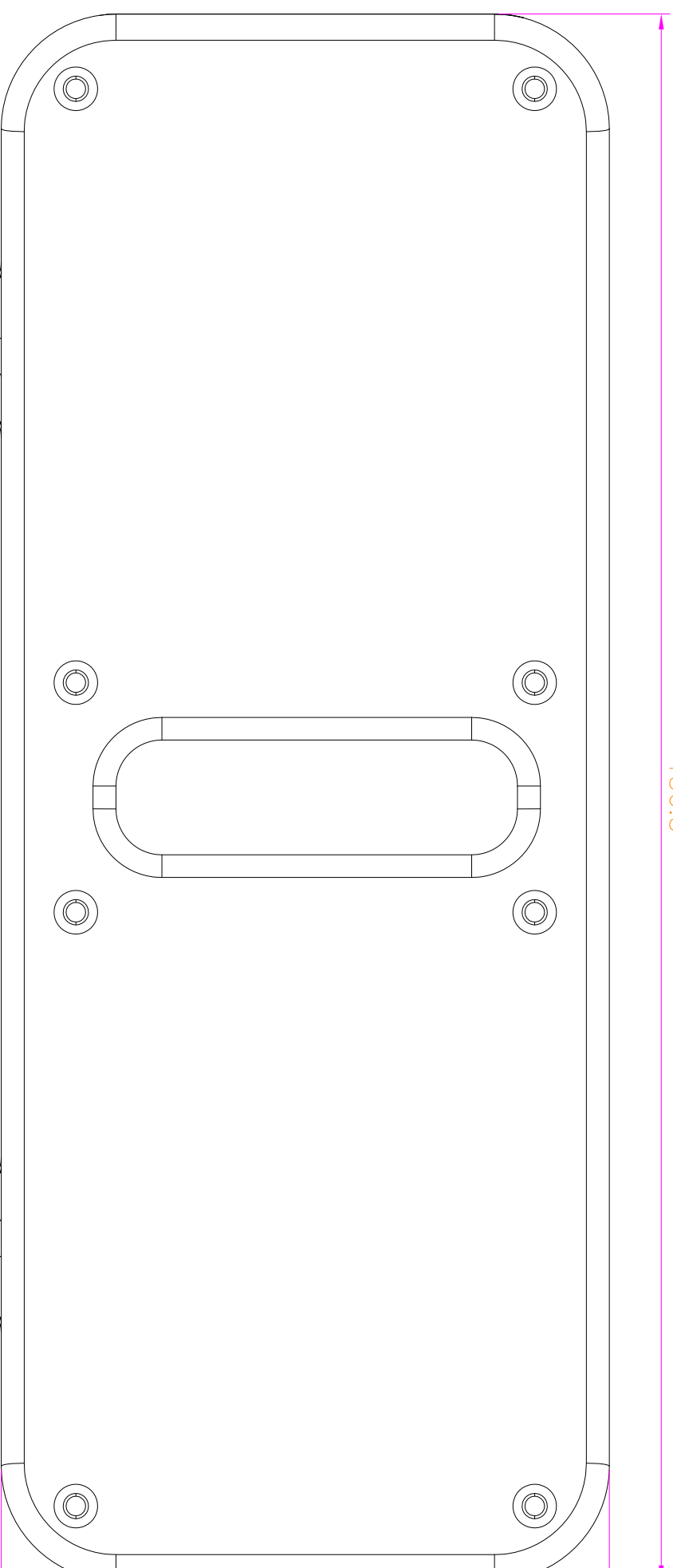
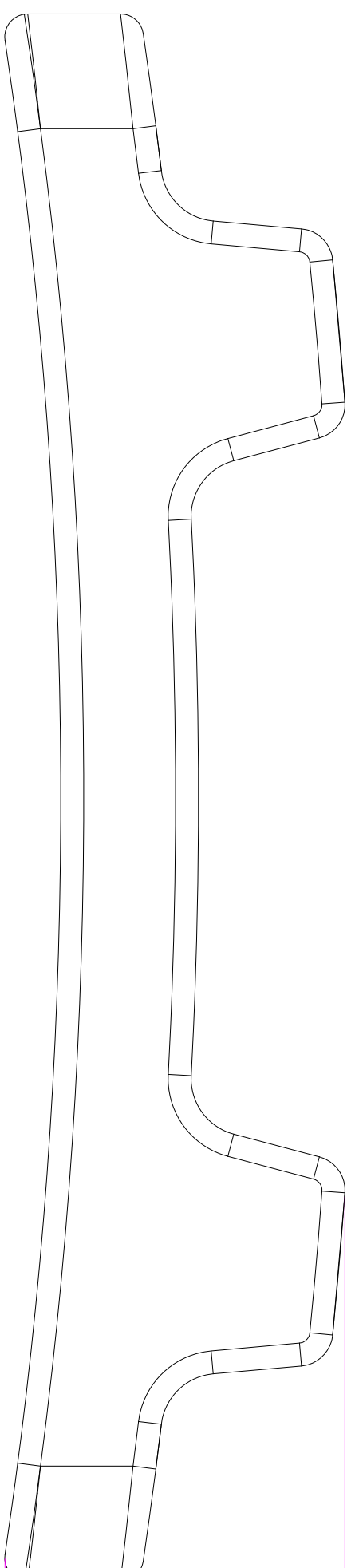
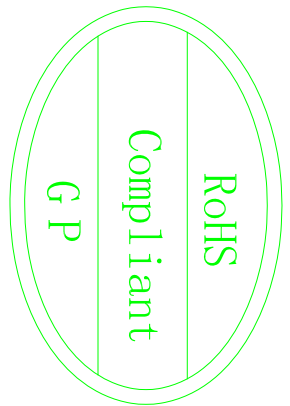
工程	采购	承认

天联凌

研发	工程	审核

## ● Specification Summary

A. Electrical Characteristics	
Frequency	2400MHz ~2500MHz      5150~5850MHZ
VSWR	<2.0
Efficiency	>40%
Peak Gain	6dbi @2400MHz ~2500MHz      4dbi @5150MHz ~5850MH
Impedance	50 Ohm
Polarization	Line
B. Material & Mechanical Characteristics	
Material of Radiator	Cu
Cable Type	086      Black
Connector Type	TNC
Dimension	At Attachment
Heat-durability	280±5°C, 10sec.
C. Environmental Characteristics	
Operation Temperature	- 20 °C ~ + 80 °C
Storage Temperature	- 30 °C ~ + 85 °C



TNC内螺纹内针

铝套

深圳天联凌科技术有限公司  
SHEN ZHEN SKYLink CO., LTD

Third Angle	0.02	Project	Date		2021-11-29
0~10	±0.05	Part Name	Designed by		
10~18	±0.10	Part No.	SKS400SPDXD6B01A.TNCMM	MD	
18~30	±0.12	Material	Checked by	RF	
30~40	±0.15		Approved by		
40~	±0.20	DWG No.	Unit	mm	Scale 1:1
Location	Angle ±0.5°		Rev	A	

Rev	Description	Date	Remark
1	New drawing		

## ● Test Equipment & Conditions

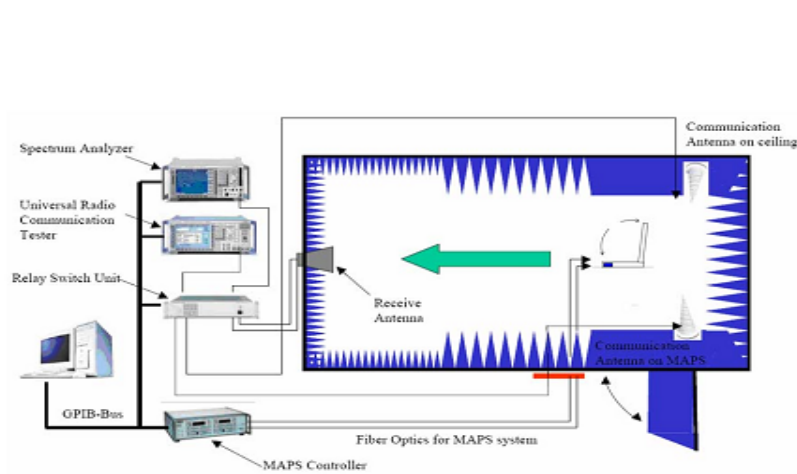
### 1. Network Analyzers :

Agilent 8753D 5071B

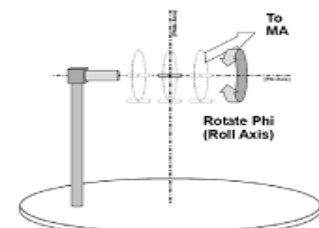
### Communications Test Set:

Agilent E5515C CMW500

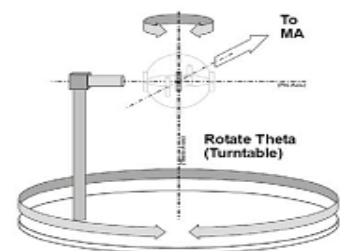
### 2. 3D Chamber Test System



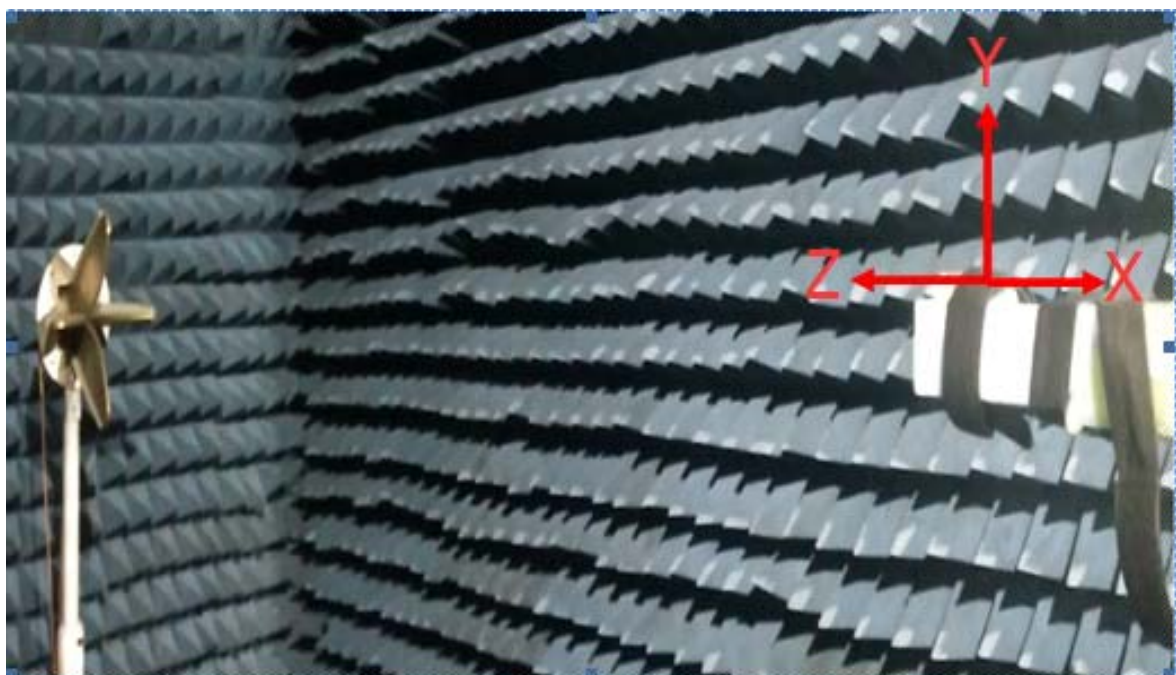
(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test



◆ Gain & Efficiency

Freq (MHz)	Effi (%)	Gain (dBi)
2400	63.13	5.6
2410	61.58	5.52
2420	61.84	5.56
2430	60.14	5.49
2440	64.58	5.88
2450	62.2	5.82
2460	64.55	6.08
2470	63.83	6.07
2480	67.74	6.3
2490	72.45	6.54
2500	74.79	6.61

Freq (MHz)	Effi (%)	Gain (dBi)
5000	42.41	2.72
5100	40.17	2.77
5200	41.88	2.4
5300	46.15	2.09
5400	40.24	2.06
5500	43.75	2.21
5600	41.26	3.57
5700	49.01	3.57
5800	53.35	4.21
5900	58.41	4.62

## ◆ Radiation Pattern

