



东莞市昶蒙电子有限公司

Dongguan Chrungmung Electronics CO.,Ltd

## 产品规格书

### Product Specification

Customer Name: FN-LINK TECHNOLOGY LIMITE

Project Name: SK-Z101

Antenna supplier :Dongguan Chrungmung Electronics CO.,Ltd

Product type: Copper tube antenna

Antenna Model number: NB2400-030311340MMIX

REV: 1.0

Date: 2023/04/12

制作 drawing	审核 check	批准 approved
冯梦	朱齐亮	冯伟刚






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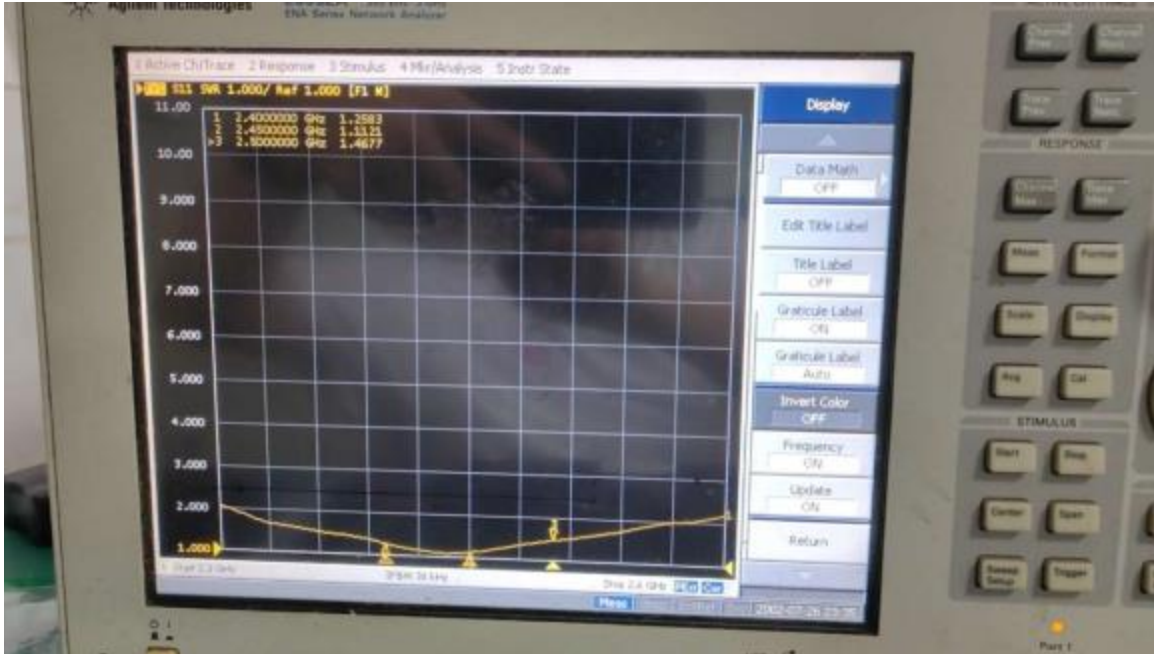
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## 三、电性能指标 Electrical Performance Index

<b>Sample Photo</b>	
	
<b>A. Electrical Characteristics</b>	
<b>Frequency</b>	<b>2400 ~ 2500 MHz</b>
<b>S.W.R.</b>	<b>&lt;=2.0 @ 2400~2500 MHz</b>
<b>Peak Gain</b>	<b>&lt;3.79dBi</b>
<b>Polarization</b>	<b>Linear Impedance 50 Ohm</b>
<b>B. Material &amp; Mechanical Characteristics</b>	
<b>Material of Radiator</b>	<b>Cu</b>
<b>Cable Type</b>	<b>OD1.13mm</b>
<b>Connector Type</b>	<b>Mini Connector</b>
<b>C. Environmental</b>	
<b>Operation Temperature</b>	<b>- 40 °C ~ + 65 °C</b>
<b>Storage Temperature</b>	<b>- 40 °C ~ + 80 °C</b>

## 四、测试报告 Test report

### 1. 天线驻波图VSWR

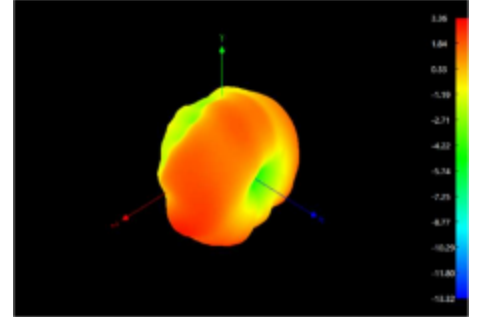
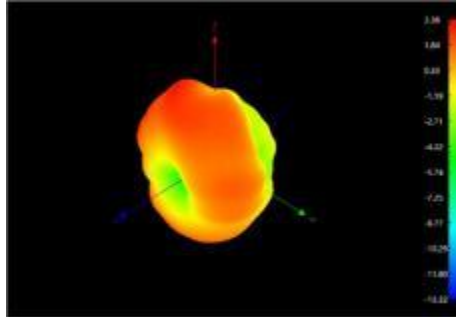
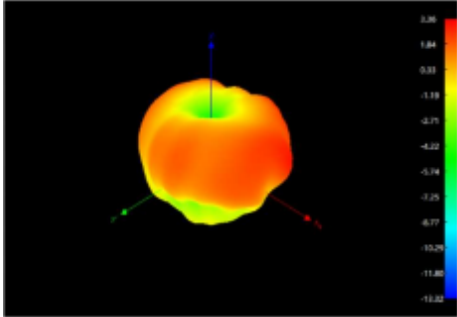


### 2. 天线效率及增益 Antenna efficiency and gain

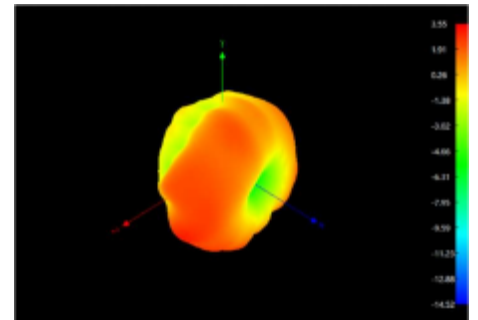
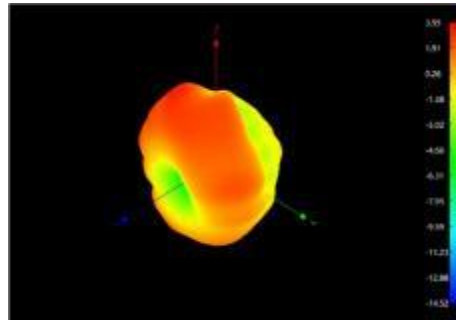
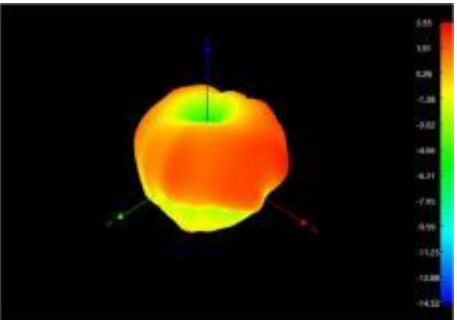
Frequency/Mhz	Efficiency / dB	Efficiency / %	Frequency/MHz	MaxGain/dBi	AvgGain/dBi
2400	-1.24	75.16	2400	3.36	-1.24
2410	-1.31	73.96	2410	3.38	-1.31
2420	-1.14	76.91	2420	3.34	-1.14
2430	-1.19	76.03	2430	3.28	-1.19
2440	-0.97	79.98	2440	3.33	-0.97
2450	-0.94	80.54	2450	3.55	-0.94
2460	-0.82	82.79	2460	3.55	-0.82
2470	-0.91	81.1	2470	3.57	-0.91
2480	-0.97	79.98	2480	3.61	-0.97
2490	-1.03	78.89	2490	3.79	-1.03
2500	-1.07	78.16	2500	3.4	-1.07

## 3. 天线方向图 Radiation pattern

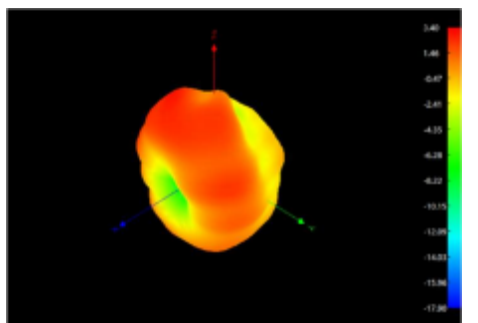
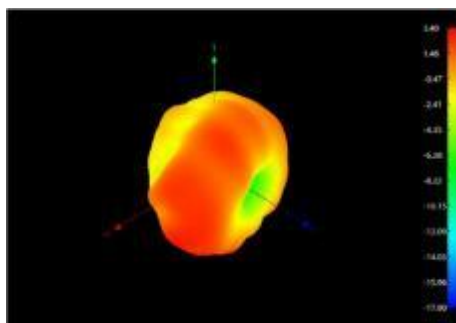
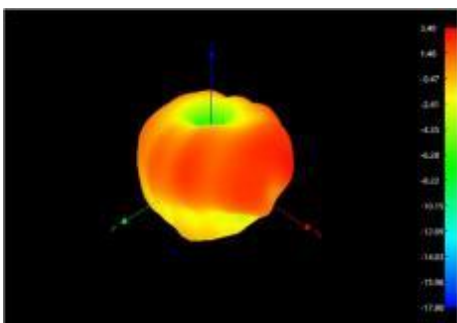
### 2400MHz



### 2450MHz



### 2500MHz



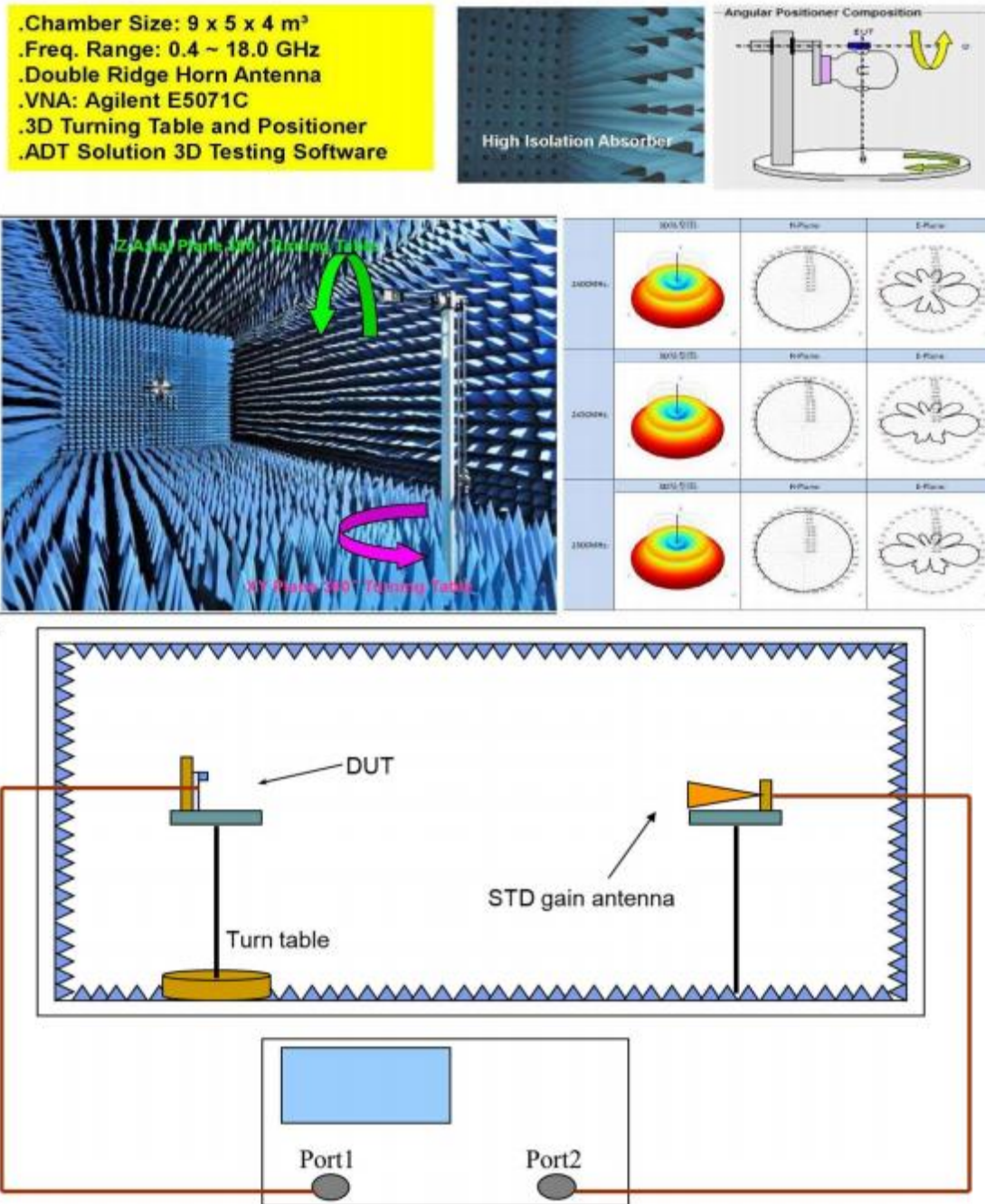
## 五、测试设备及原理 Testing Equipment and Principle

### 1. 测试设备: Testing equipment:

网络分析仪 Network Analyzers :Agilent 8753D 5071B

综合测试仪 Communications Test Set:Agilent E5515C

3D 暗室测试系统 3D Chamber Test System:

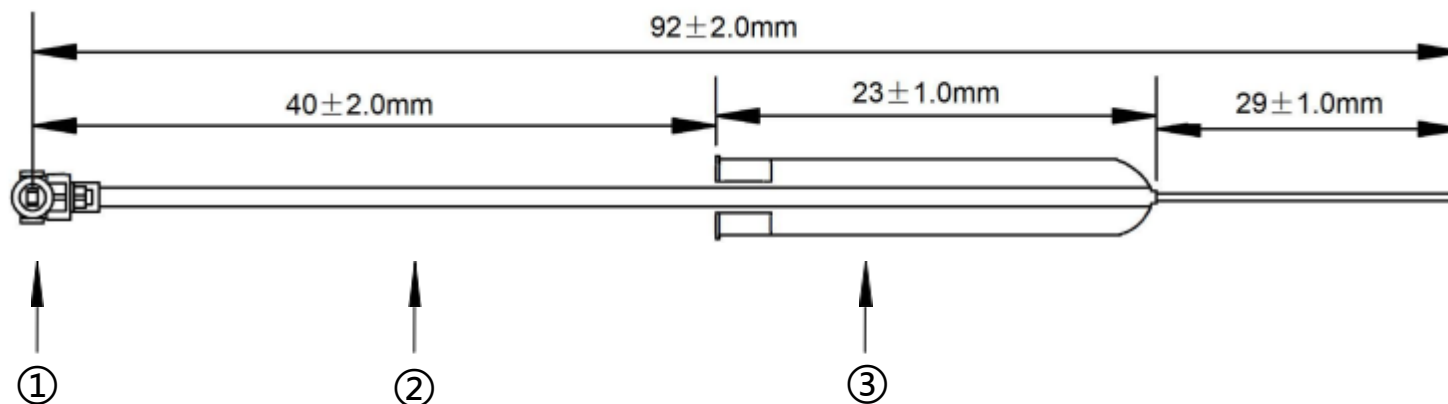


## 六、工程图纸 Product Drawing

# RoHS

## Compatible

SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			



Note:

1. Take " \* " is the important dimension.
2. Tolerance: Unmarked tolerance refer to the standard tolerance please.
3. Pull Strength of the connector must be  $\geq 1.0\text{kg}$ .
4. Note Connector orientation.

东莞市昶蒙电子有限公司

Dongguan Chungmung Electronics Co., Ltd.

TITLE: Embedded Antenna

PART NO.: NB2400-030311340MMIX

DWG NAME: NB2400-030311340MMIX.dwg

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

ZHUQL  
2023/04/06

ZHUQL  
2023/04/06

FENG  
2023/04/06

UNITS: mm

SCALE: 1/1

REVISION: A

X.X ±0.5

X.XX ±0.2

X° ±1°

3	NB2400-0305CU	Tube	$\phi 4.4 \times 23\text{mm}$	1
2	R-CB-113B	Coaxial Cable	SHOWA-O.D. 1.13mm Black	1
1	CI-113	Connector	Mini Connector	1
No.	Part Number	Name	Material	Q'ty

1

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