



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





目 录 Index

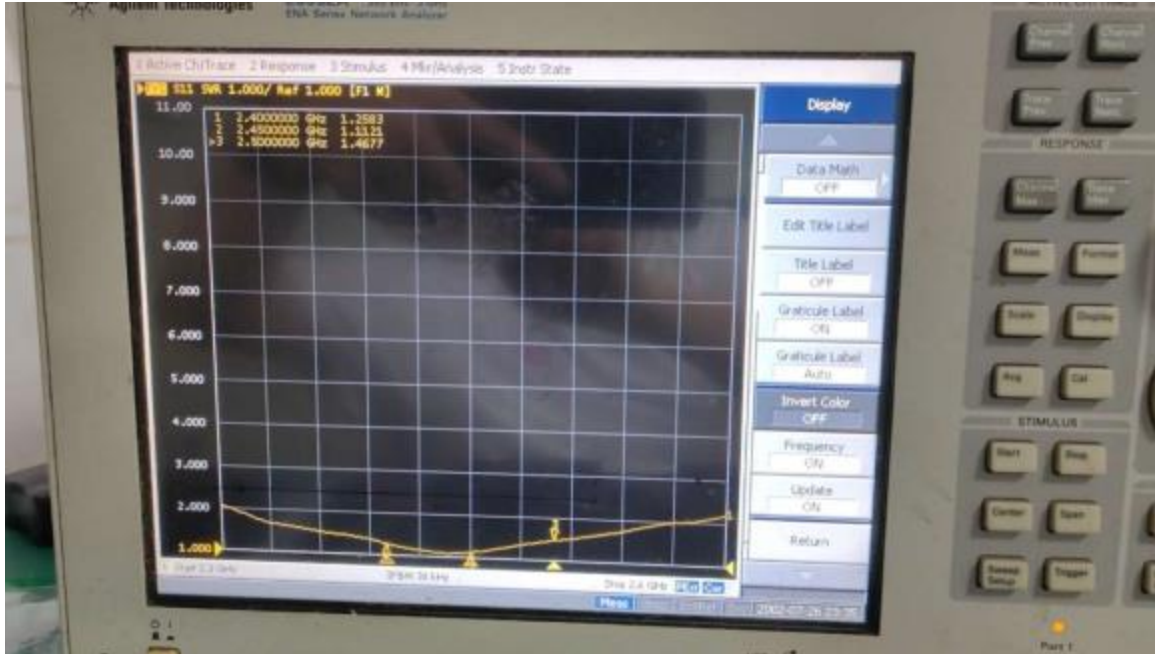
一、封面 Cover	-----1
二、目录 Index	-----2
三、电性能指标 Electrical Performance Index	----3
四、测试报告 Test report	-----4-5
五、测试设备及原理 Testing Equipment&Principle	--6
六、工程图纸 Product Drawing	-----7

三、电性能指标 Electrical Performance Index

Sample Photo	
	
A. Electrical Characteristics	
Frequency	2400 ~ 2500 MHz
S.W.R.	≤ 2.0 @ 2400~2500 MHz
Peak Gain	$< 3.79\text{dBi}$
Polarization	Linear Impedance 50 Ohm
B. Material & Mechanical Characteristics	
Material of Radiator	Cu
Cable Type	OD1.13mm
Connector Type	Mini Connector
C. Environmental	
Operation Temperature	- 40 °C ~ + 65 °C
Storage Temperature	- 40 °C ~ + 80 °C

四、测试报告 Test report

1. 天线驻波图VSWR

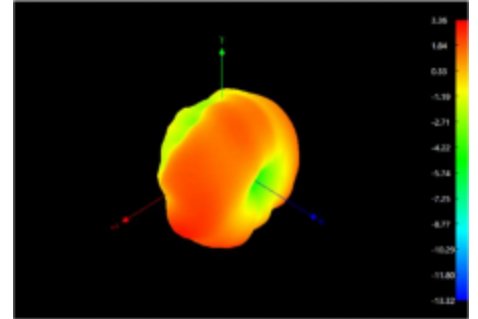
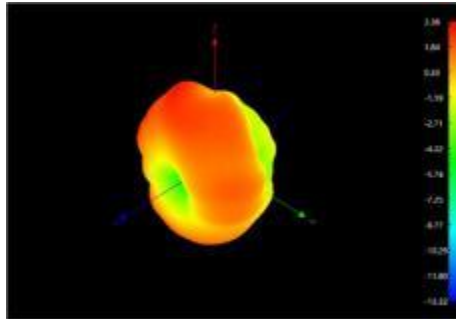
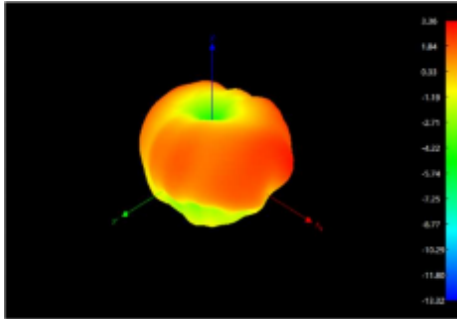


2. 天线效率及增益 Antenna efficiency and gain

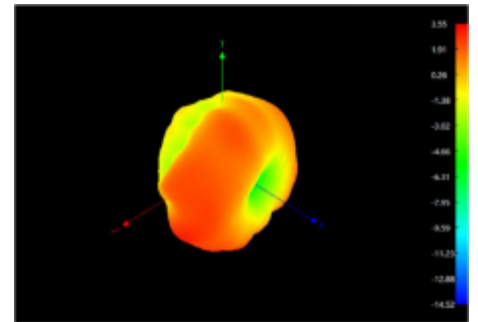
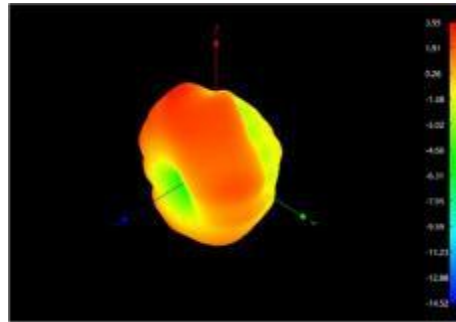
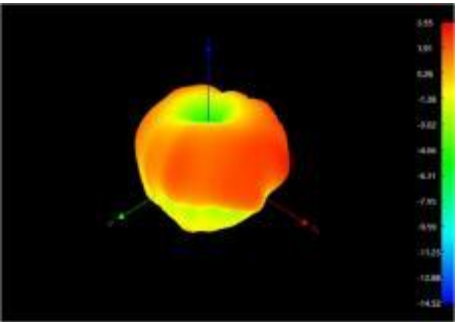
Frequency/Mhz	Efficiency / dB	Efficiency / %	Frequency/MHz	MaxGain/dBi	AvgGain/dBi
2400	-1.24	75.16	2400	3.36	-1.24
2410	-1.31	73.96	2410	3.38	-1.31
2420	-1.14	76.91	2420	3.34	-1.14
2430	-1.19	76.03	2430	3.28	-1.19
2440	-0.97	79.98	2440	3.33	-0.97
2450	-0.94	80.54	2450	3.55	-0.94
2460	-0.82	82.79	2460	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

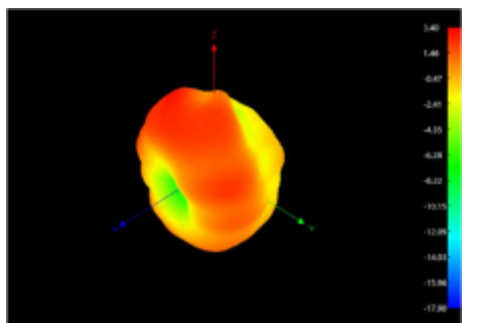
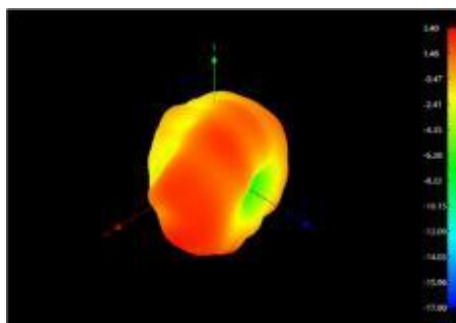
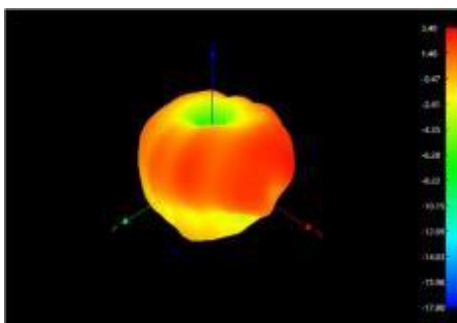
2400MHz



2450MHz



2500MHz



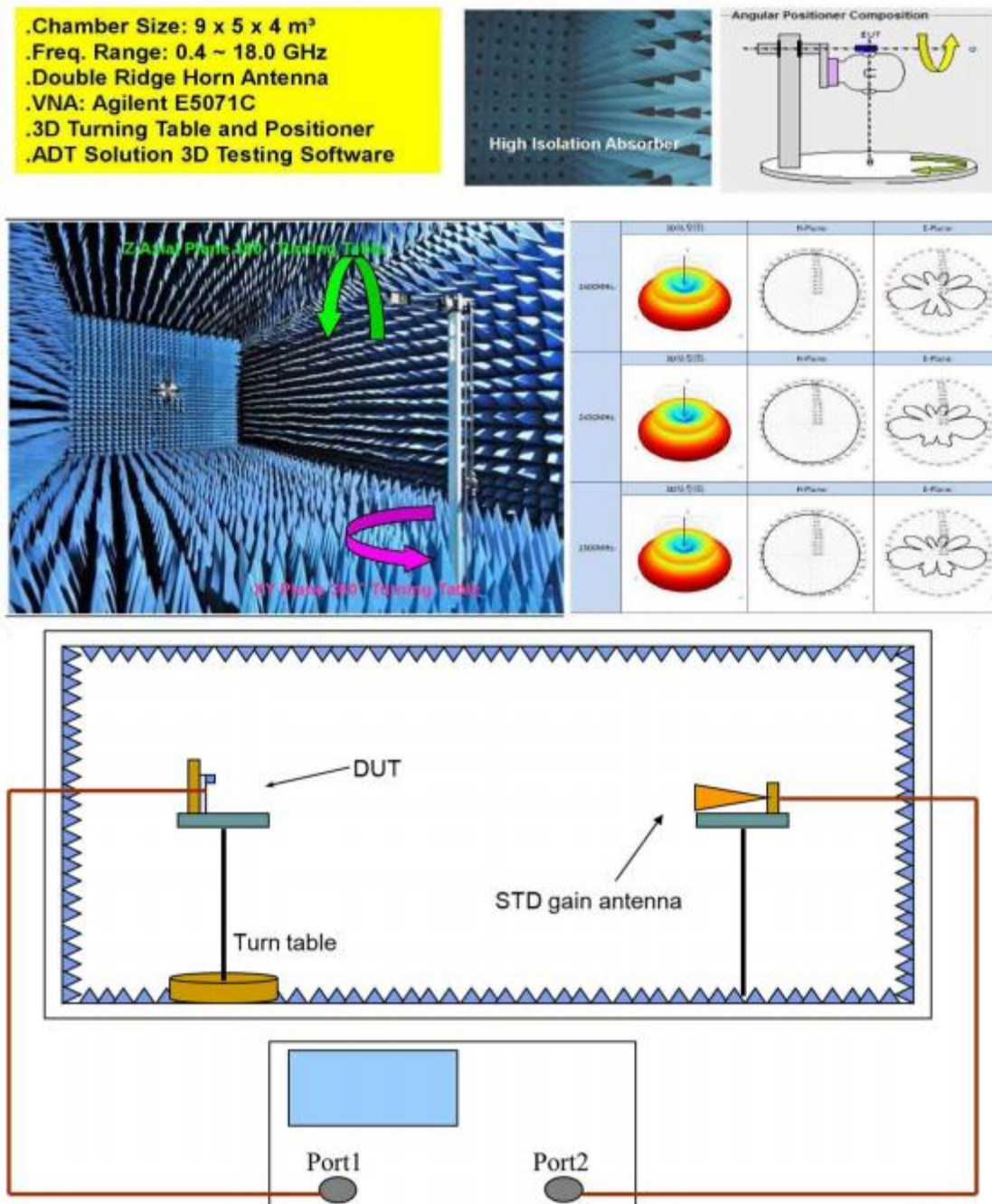
五、测试设备及原理 Testing Equipment and Principle

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:

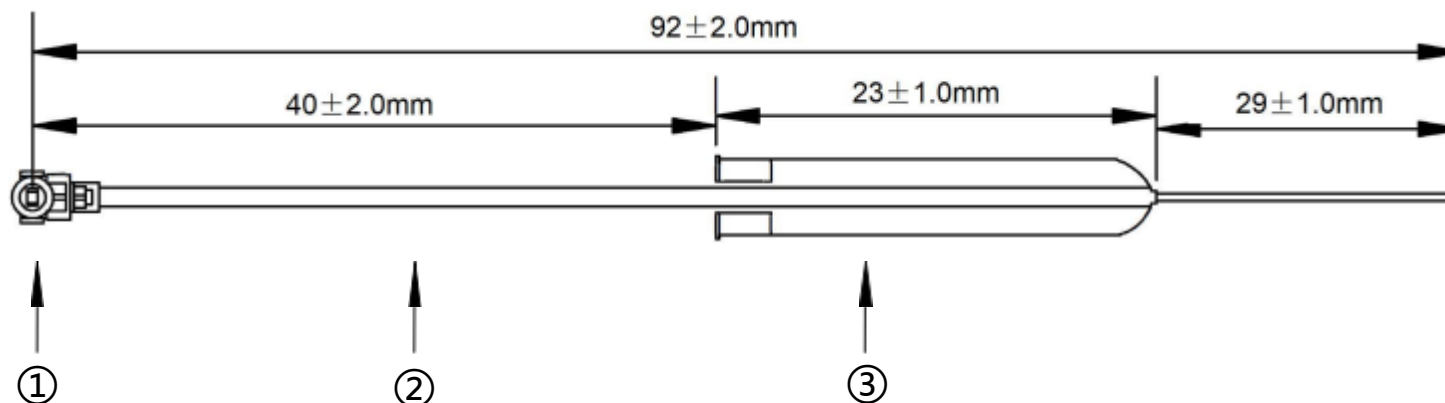


六、工程图纸 Product Drawing

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.

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

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°