

SPECIFICATION

Shenzhen Guandetong Electronic Limited
<http://www.szgdtrf.com>



深圳市冠得通电子有限公司

Shenzhen Guandetong Electronic
Limited

2.4G 2DB white ultrasonic antenna ,1.13 gray color, coaxial line ,line length 68mm, first generation terminal

Product specification book

client	Shenzhen Dayunlinks Co.,ltd	Frequency paragraph	2400-2500MHz
project name		Version	A1
Customer material number		Part No.	
Number			
R F design	Xiaobing	RF manager	LIU LIANG
Structural design	Wangdong	Structural manager	WANG HUA
technical director	ANDY	date	2022-10-25

Whether the assembly meets ☐NG
the requirements of your
company: ☐OK

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Product Image

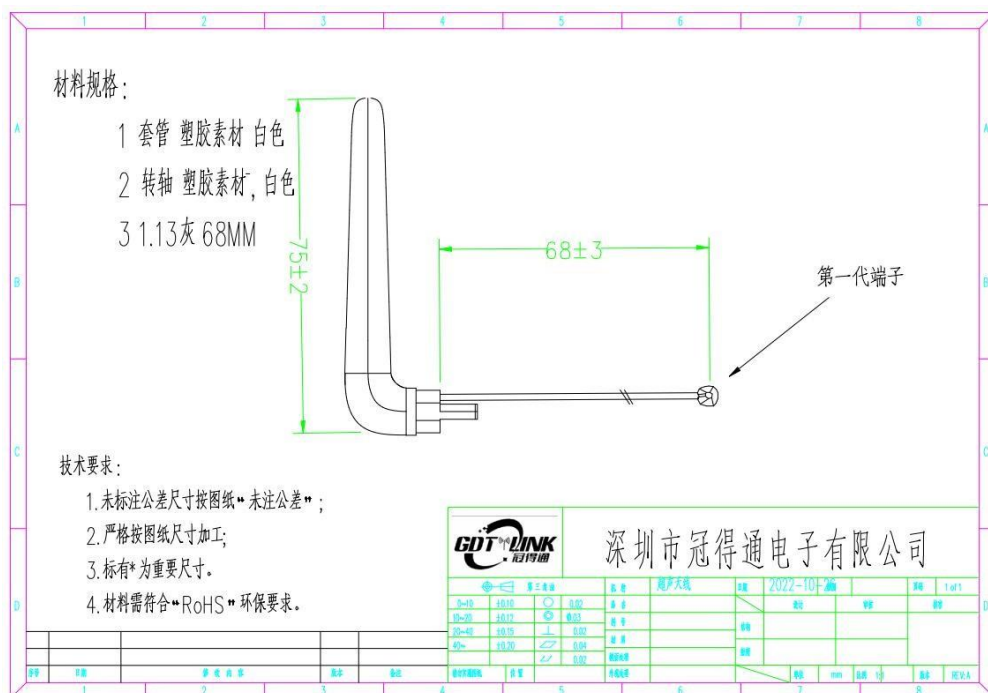
Product parameters

Product test parameters			
产品名称(Name)	2.4G FPC 天线	产品型号(Model Type)	GDT-SL-113-68
电 性 能 指 标 (Electrical Specifications)			
频率范围 (Frenquency Range)	2400-2500MHz	极化方式 (Polarization)	垂直
输入阻抗(Impedance)	50 Ω	辐射方向	全向
驻波比 (VSWR)	≤ 2	功率容量(Power)	50W
增益(Gain)	2.16dBi	带宽 (Bandwidth)	100MHz
机 械 指 标 (Mechanical Specifications)			
尺寸 (Dimensions)	75 $\pm$ 2mm	天线颜色(Chassis Color)	白色
连接器型号 (Connector)	IPEX(1 代)	引线长度(Cable Length)	68MM $\pm$ 3
天线材料 (Chassis Material)	ABS	线材型号	1.13 灰色
工作温度 (Working Temperature)	-40 $^{\circ}$ C-+85 $^{\circ}$ C	存放温度 (Limit Temperature)	-40 $^{\circ}$ C-+85 $^{\circ}$ C

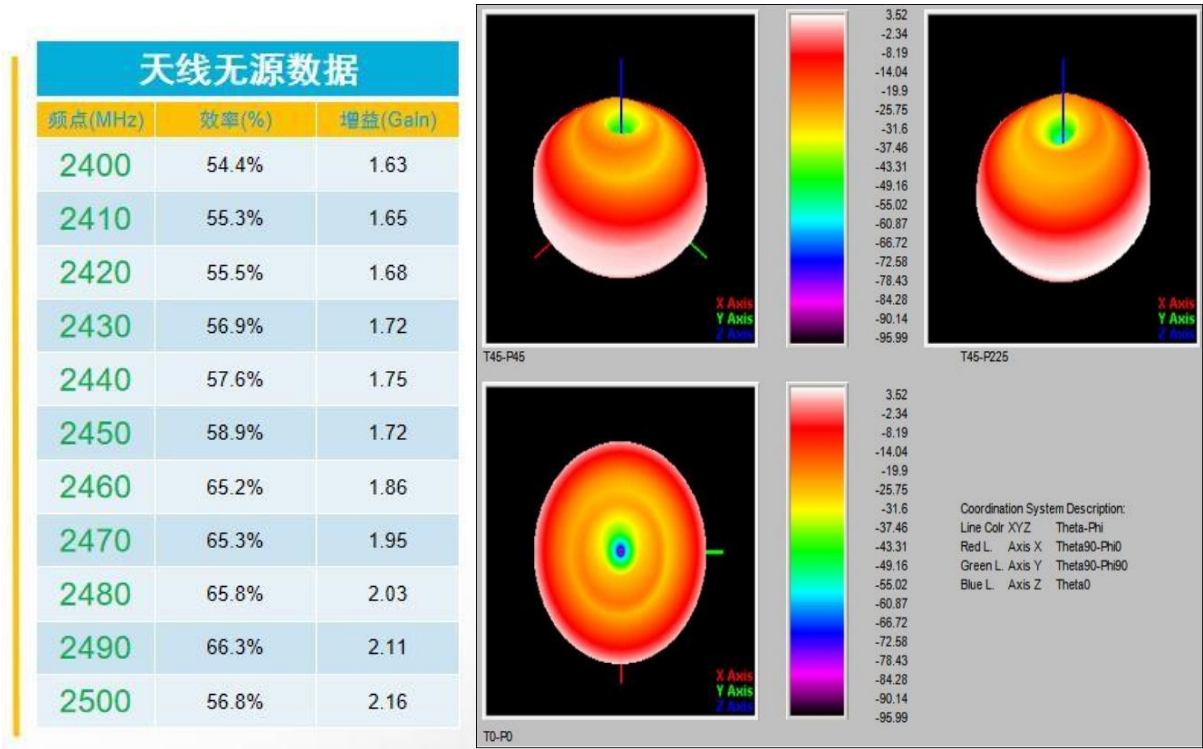
三、S11 (VSWR 、 Return loss 、 Smith) 数据



Structural drawing



天线无源测试和3D报告 Anti -spectacular test and 3D report



Environmental performance test

project	Test Conditions	Specifica tion
Storage environme nt	Test temperature, humidity, and air pressure as follows: 1. The temperature is -30 °C ~+80 °C 2. The relative humidity is 45% -85% 3. The air pressure is 86kPa-106kPa	Electrical mechanical performance is normal
High and low temperatur e test	Make 5 cycles between 70 ° C and 40 ° C, and then 1-2 hours under normal conditions to check the appearance quality.	The size should meet the regulations and meet the satisfaction For mechanical and electrical performance

Evergrande damp heat test	The relative humidity is $95 \pm 3\%$, the test temperature: 40°C . After 2H, the electrical performance is determined within 5 minutes after the test product is taken out. 1-2 hours under the piece, check the appearance quality	The size should meet the regulations and meet the satisfaction For mechanical and electrical performance
Vibration test	The frequency frequency range is 10-55Hz. , Sitering amplitude: 0.35mm, acceleration amplitude: 50.0m/s, frequency scan loop: 30 times	Electrical mechanical performance is normal
Drop test	1M high altitude fell freely 3 times in the direction of the perpendicular axis	Electrical mechanical performance is normal