

# 承认书

## SPECIFICATION FOR APPROVAL

客户 (Customer) : / \_\_\_\_\_

产品 (Product) : PGD728FG25-2.4G-1.13MM -110mm

型号 (Model) : PGD728FG25

料号 (Part Number) : \_\_\_\_\_

制作人 (Written By) : \_\_\_\_\_

签发时间 (Issued Date) : 2024.10.18

### 客户 CUSTOMER:

工程部 ENGINEER R&D DEPT	品质部 QUALITY DEPT	批准 APPROVED

### SMART:

射频 R&D DEPT	批准 APPROVED

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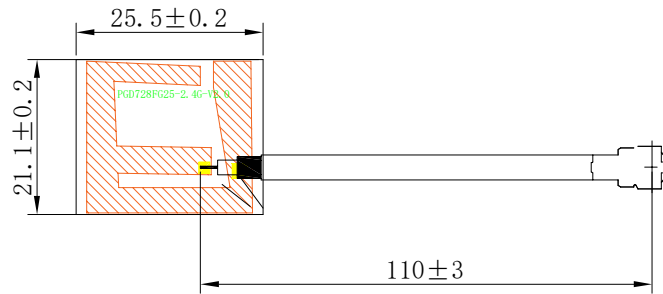
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## 基本参数 The basic parameters:

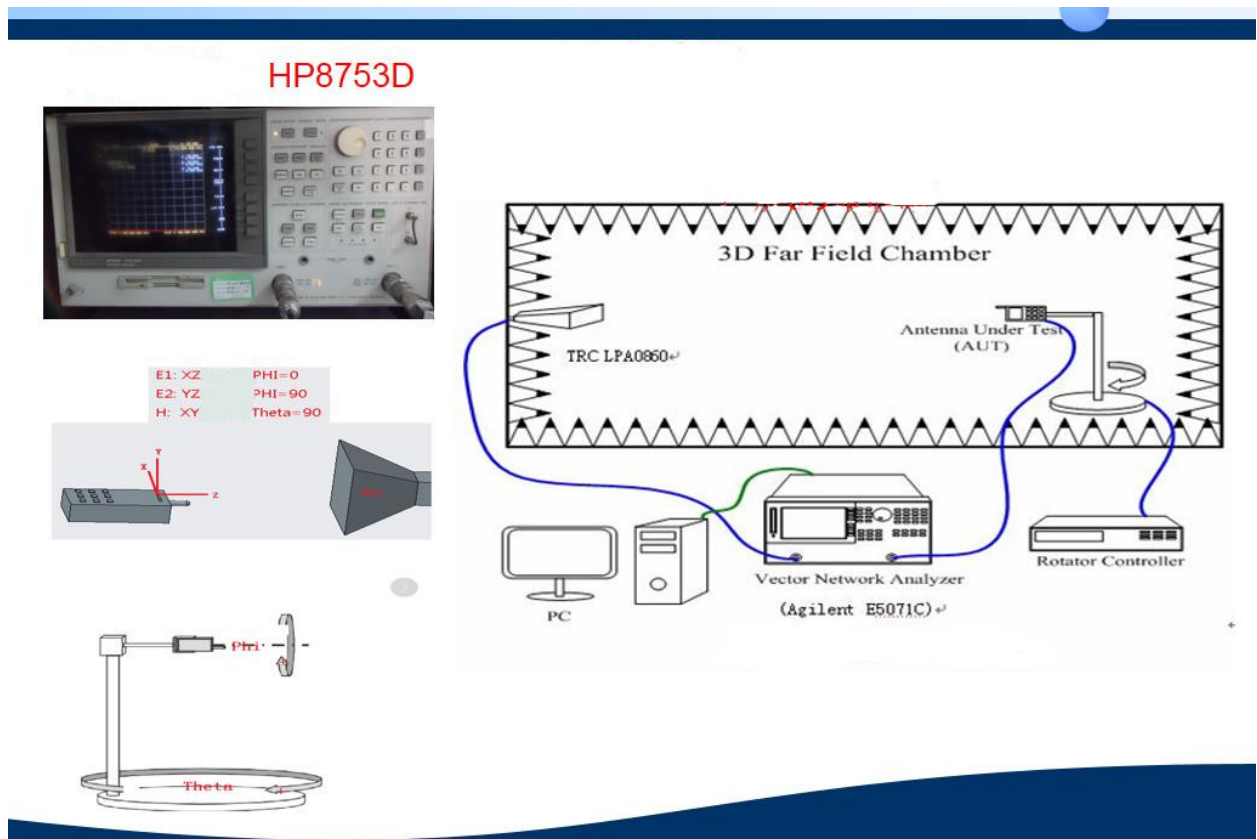
A. 电气特性 (Electrical Characteristics)		
频率 Frequency		2.4 ~2.5GHz
电压驻波比 VSWR		≤2.0
效率 Efficiency		>40%
特性阻抗 Impedance		50 Ohm
极化 Polarization		Linear
增益 Gain		1.0dbi
辐射方式 Radiation		全向
B. 机械参数 (Mechanical parameters)		
电缆类型 Cable Type		1.13mm
连接器类型 Connector Type		I-PEX
尺寸 Dimension		L=110mm
天线颜色 Antenna Colour		Black
Type of Antenna:		FPC Antenna
C. 工作/储存温度 (Operating/ Storage Temperature)		
工作温度 Operation Temperature		- 20 °C ~ + 65 °C
贮存温度 Storage Temperature		- 40 °C ~ + 80 °C



			UNLESS OTHERWISE SPECIFIED				SMART ELECTRONIC INDUSTRIAL(DONG GUAN)Co.,LTD			DRAWN BY: CHM		DATE:										
			LINEAR TOLERANCES				MATERIAL:			PROJECT:			CHECKED BY:		DATE:							
			INCHES .XXX ± 0.005 .XX ± 0.01 .X ± 0.05				MILLIMETER .XX ± 0.1 .X ± 0.25 X ± 0.5				FINISH:			TITLE: PGD728FG25-2.4G-V2.0			APPROVED BY:		DATE:			
			ANGLES ± 0.5°				THIRD ANGLE PROJECTION			SCALE: 1.000			DO NOT SCALE DRAWING			SIZE: A4		DWG. NO:		REV:		
REV. DATE			DESCRIPTION				CHANGED BY			COMMENT:			UNIT: mm			SHEET 1 OF 1						

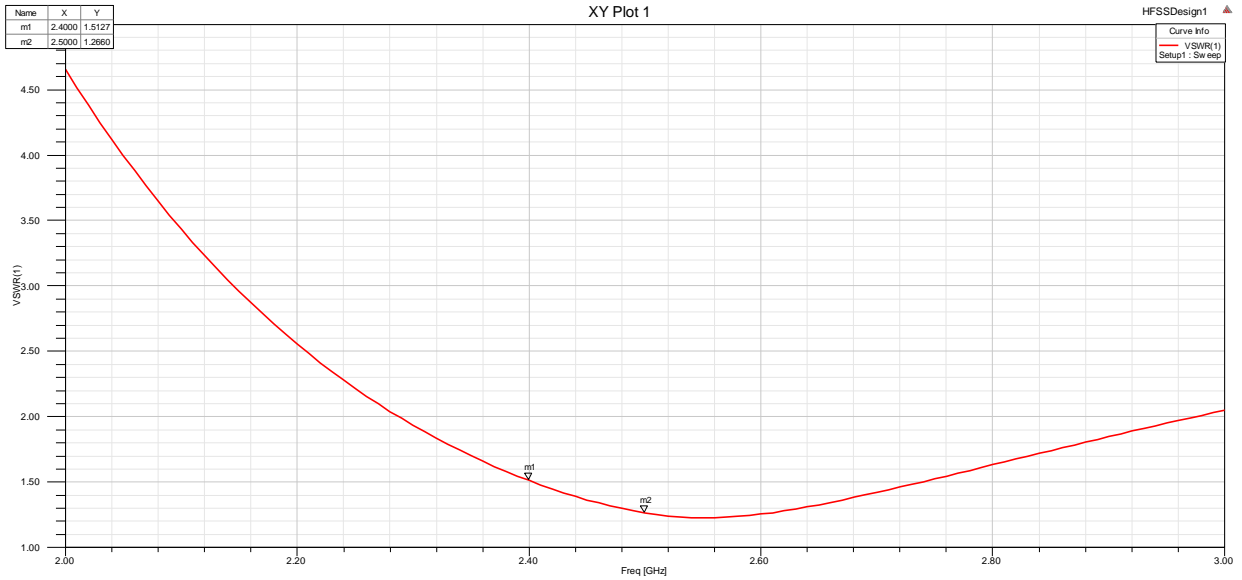
## 试验设备和条件 Test Equipment & Conditions

1. 网络分析仪 Network Analyzers :HP8753D
2. 通信测试装置 Communications Test Set:
3. 三维暗室试验系统 3D Chamber Test System:

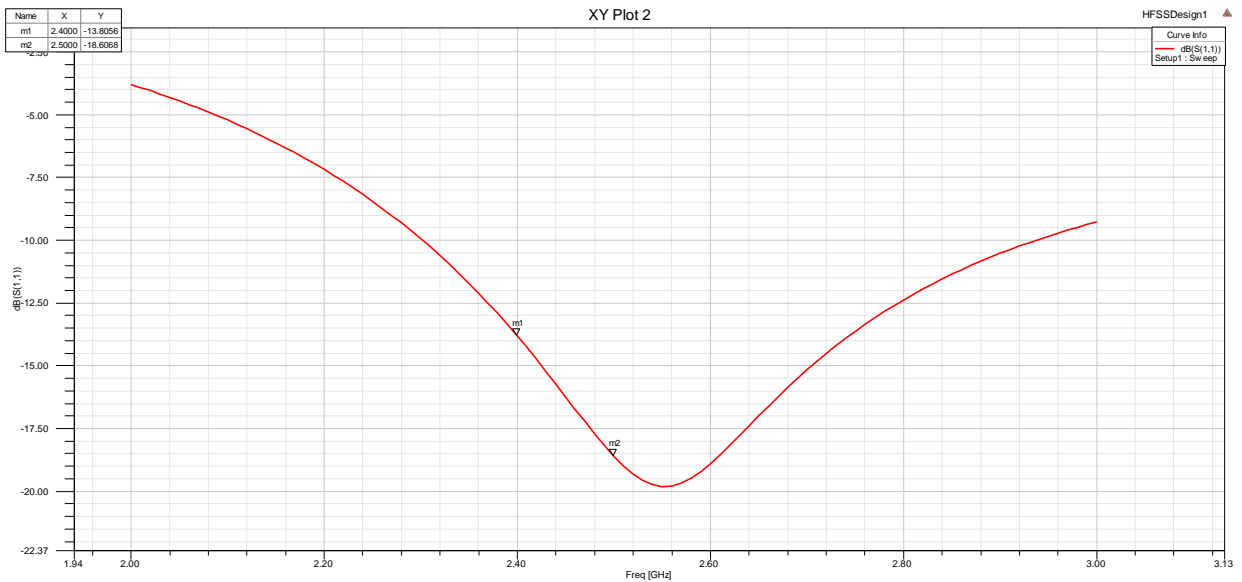


## 测试数据 Test Data:

### 电压驻波比 VSWR



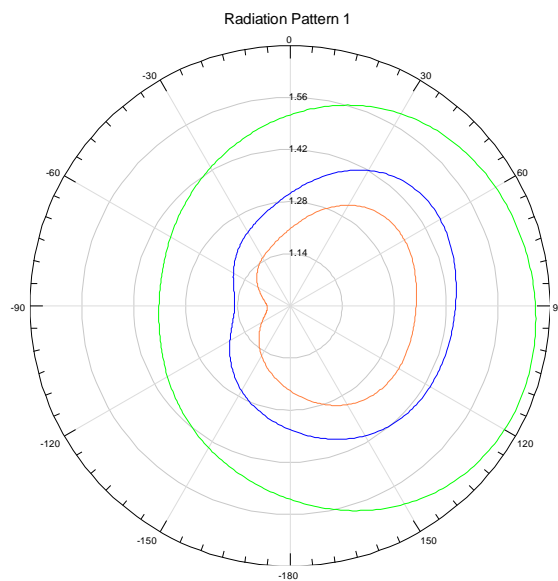
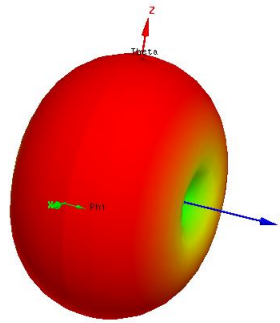
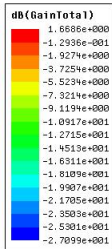
### 回波损耗 Return loss



## 效率&增益 Efficiency & Gain:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	40.4	1.0
2450	35.8	0.3
2500	28.8	-0.8

## 辐射图 Pattern 3D/ 2D





## 天线图片 Antenna picture:

