

产品规格书

Product Specification

客户名称 Customer Name: Quantum Infinite Technology (Huizhou) Co., Ltd.

项目名称 Project Name: 2.4/5G Dipole antenna

客户地址 Customer Address: Floor 7, Building C, Longsheng Science Park,
No. 11, Qiuchang Xihu Village, Huiyang District,
Huizhou City

规格描述 Product Spec: YG-2458-SMAJ-108

版本 REV: V1.0

日期 Date: 2023.03.06

制作 drawing	审核 check	批准 approved
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测试设备及原理 Testing Equipment and Principle

1. 测试设备:

网络分析仪 Network Analyzers :

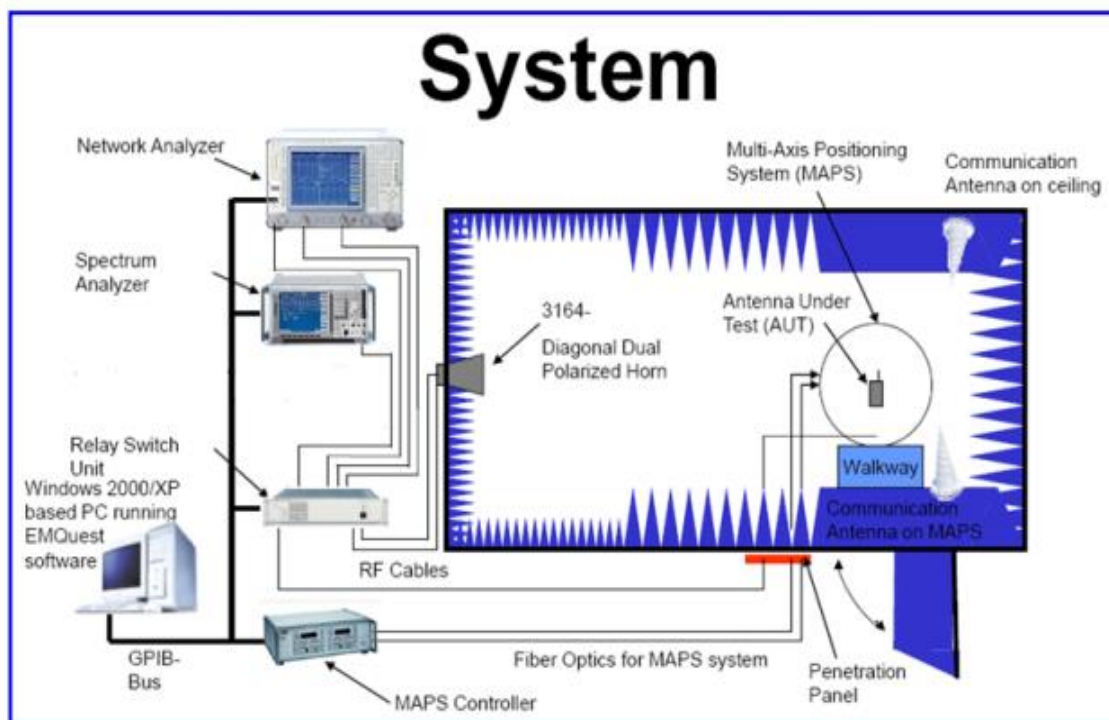
Agilent 8753D 5071B

综合测试仪 Communications Test Set:

Agilent E5515C

3D 暗室测试系统 3D Chamber Test System:

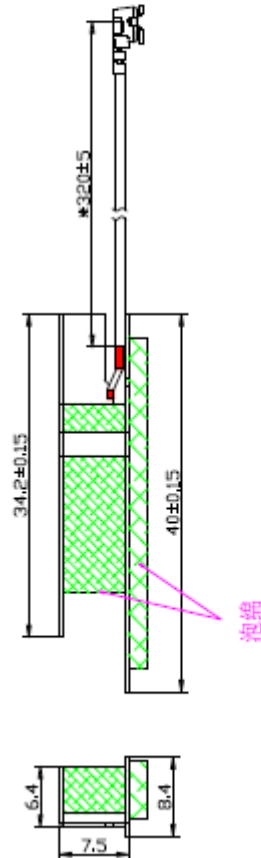
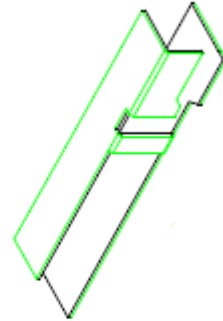
2. 测试原理:



一、电性能以及机械性能

电性能指标		Electrical Specifications	
频率范围	2.4/5GHZ	Frequency Range	2.4/5GHZ
电压驻波比	≤2.0	VSWR	≤2.0
增益	≤3DBI	GAIN	≤3DBI
辐射方式	全向	Radiation	OMNI
极化方式	垂直	Polarizatin	LINEAR
输入阻抗	50 Ω	Input Impedance	50 Ω
机械指标		Mechanical Specifications	
接口形式	SMA-K	Input connector	SMA-K
天线材质	ABS & COPPER	Antenna materia	ABS & COPPER
工作温度	-30°C~+80°C	Working Temperature	-30°C~+80°C
工作湿度	40~85%	Working Humidity	40~85%

二、天线结构尺寸图





Frequency VNA (MHz)	Gain (Peak) (dBi)
2400MHz	1.36
2410MHz	1.25
2420MHz	2.06
2430MHz	2.46
2440MHz	2.10
2450MHz	2.33
2460MHz	0.98
2470MHz	1.06
2480MHz	1.17