



产品规格书

Product Specification

客户名称 Customer Name: _____

项目名称 Project Name: Sub-1G FPC Ant

规格描述 Product Spec: 34*7mm FPC + 1.13 wire + Generation 1 terminal + 60mm wire length

供方料号 Supplier P/N: BXT-Sub-F001EA

版 本 REV: V1.0

日 期 Date: 2026/08/24

制 作 Drawing	审 核 Check	批 准 Approved
李泽辉	韦星	李森

客户承认 Customer Approve

审 核 Check	批 准 Approved	承 认 Approval

测试设备及原理 Testing Equipment and Principle

1. 测试设备 Test equipment:

网络分析仪 Network Analyzers :

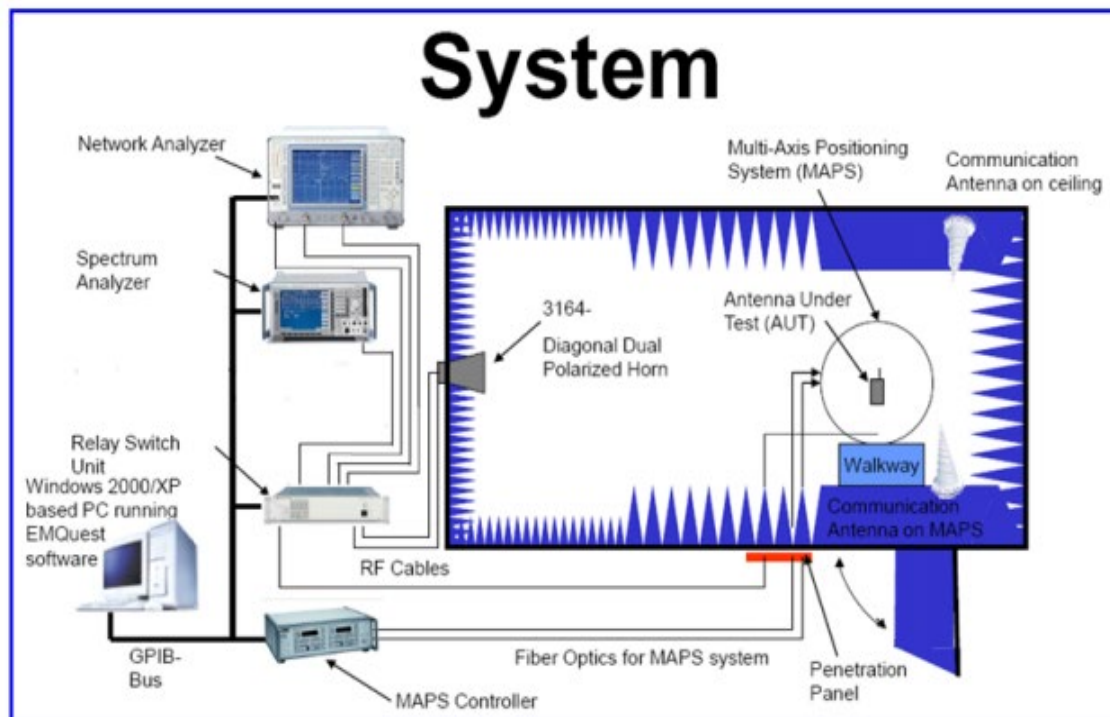
Agilent 8753D 5071B

综合测试仪 Communications Test Set:

Agilent E5515C

3D 暗室测试系统 3D Chamber Test System:

2. 测试原理 Test Principles:



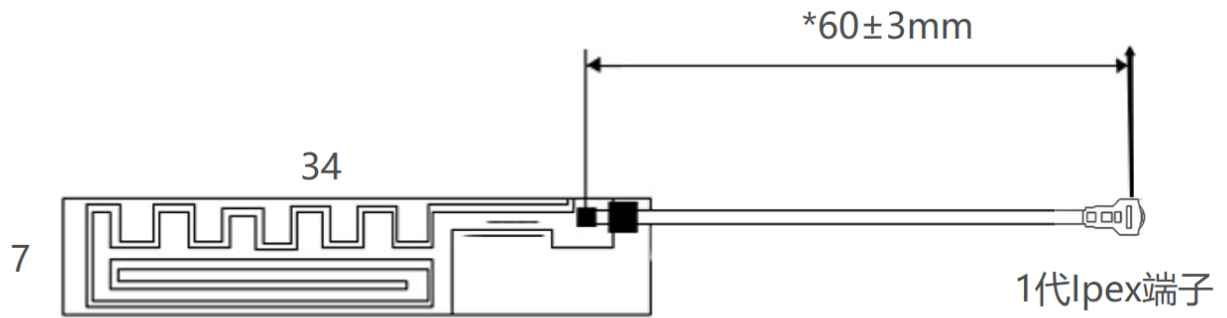


一、电性能以及机械性能Electrical and mechanical properties

规格参数/Specifications

Technical Requirements	Technical indicators
产品类型(Model Type)	Sub-1G FPC Ant
频率范围 (Frequency range)	820-960MHz
最大增益 (Gain)	1.2dBi
天线效率(Antenna Efficiency)	$\leq 61.99\%$
驻波 (VSWR)	< 2
轴比(Axial Ratio)	N/A
极化方式(Polarization)	线极化/linear polarization
辐射方向(Radiation Pattern)	全向/Omnidirectional
输入阻抗(Impedance)	50
最大功率容量(Max Power Handling)	5W
天线接口及线材(Interface&wire)	IPEX 1st generation & $\phi 1.13$ cable
馈线长度(Cable Length)	Total length 60mm (from solder joint to terminal)
外形尺寸(Dimensions)	34*7 (Length * Width) mm
工作温度(Operation Temp)	-40 - 85° C
工作湿度(Operation Humidity)	40-85%

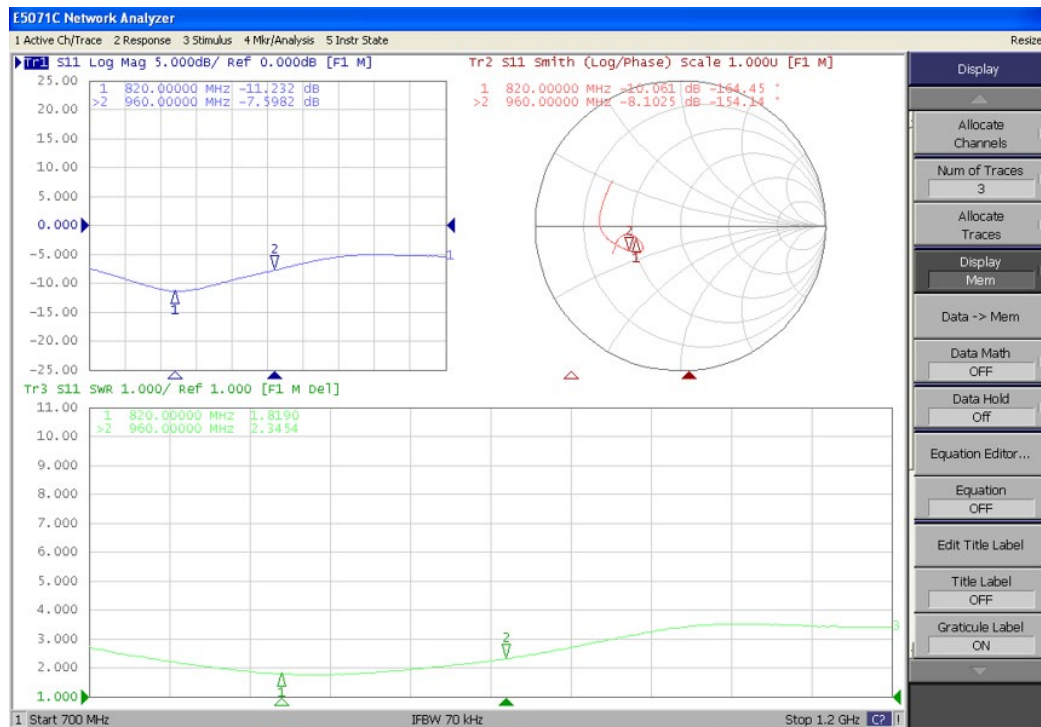
二、工程图纸 Product Drawing



Note: All units above are mm.

三、测试报告 Test report

1, 天线VSWR驻波图/Antenna VSWR standing wave diagram



2, 效率&增益测试数据 Efficiency & Gain Test Data

Sub 1G		
Freq	Effi	Max Gain
(MHz)	(%)	(dBi)
820	50.85	-0.1
830	51.94	-0.2
840	53.83	-0.3
850	54.81	-0.3
860	54.62	-0.4
870	55.51	-0.5
880	55.35	-0.5
890	56.33	-0.6
900	56.32	-0.5
910	55.52	-0.5
920	55.32	-0.3
930	56.31	-0.25
940	58.35	-0.25
950	60.86	1.1
960	61.99	1.2

3, Radiation pattern

