

	YX-H58-1-R FPC 天线	
Date of Issue: 2026-08-04		 ESD Sensitive
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样品承认书

Sample Approved Sheet

产品描述说明: Product Description:	
客 户 料 号: Customer part number	116-000024-081
客户规格描述: Customer specification description:	YX-H58-1-R-V1.0 FPC 天线
公司内部编码: Internal company code:	D7.TXH58R02
版本: Software version:	V1.0
规格描述: Hardware description:	FPC 天线-H58-1-R-V1.0

物料满足如下环保要求:

The materials meet the following environmental requirements:

☒ 禁用及监控物质控制标准(最新版本)
Banned and Monitored Substances Control Standard(Latest Edition)

☒ 无卤素技术标准

Halogen-free technical standard

供应商确认 Vender Confirm (盖章) (Stamp)	制 作 Prepared by	审 核 Checked by	批 准 Approved by

客户确认 Customer Approved (盖章) (Stamp)	采 购 Sourcing	品质管理部 DQ	研发 RD	批 准 Approved by

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Revision History							
Revision	ECO	Description	Date	Prep'd By	Ck'd By	Ck'd By	Appr'd By
V1.0		初始版本	2026-8-04	李良			

PROPRIETARY NOTICE

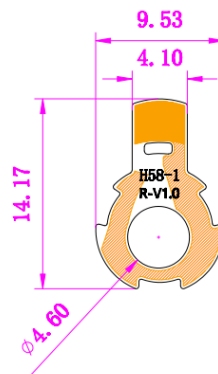
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1. Antenna picture

Thereport mainly provides the test status oftheelectricalproperties parametersof **YX-H58-1-R-V1.0**The **YX-H58-1-R-V1.0** antenna is a **BT** Band . The antenna Picture and assembly are shown below.



FPC Antenna picture & assembly picture

2.Antenna Test Equipment Introduction

Test of antenna input characteristics using Agilent E5071C and Agilent 5062A vector network analyzer; The radiation pattern of the antenna are tested using the Satimo starlab 3D near field Anechoic Chamber , and the instrument is used to agilent8960 E5515 and Agilent E4438C. The test coordinates of the darkroom are as follows:

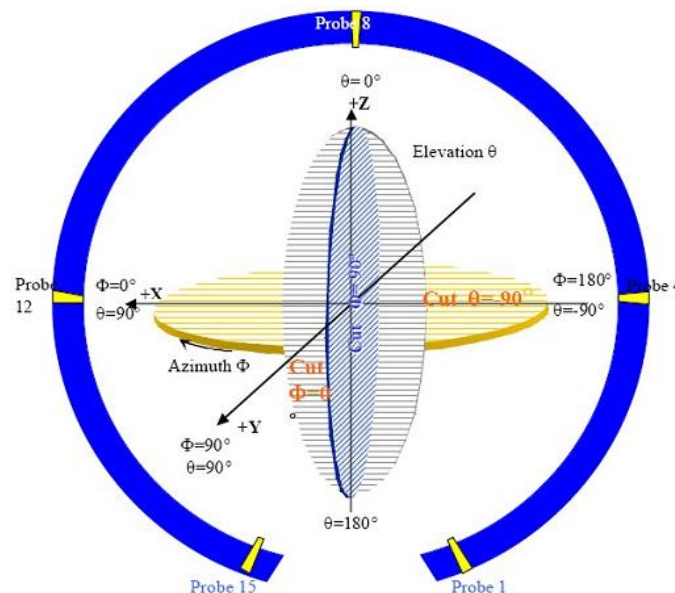


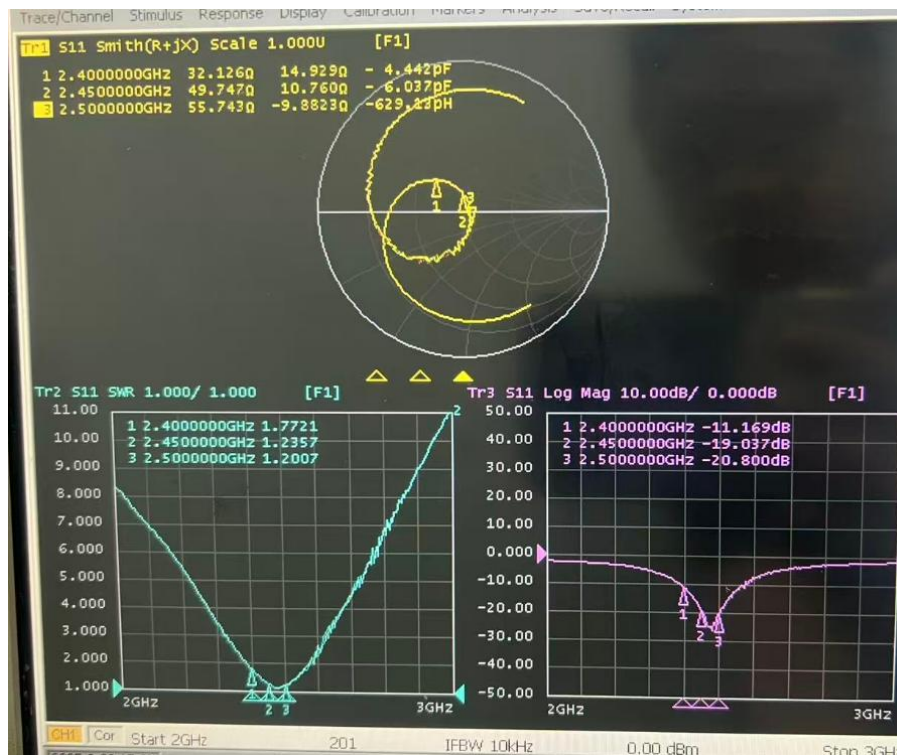
图 4 3D 微波暗室测试坐标系 (back view)

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3. Electrical Specification

3-2 Passive S11 parameter

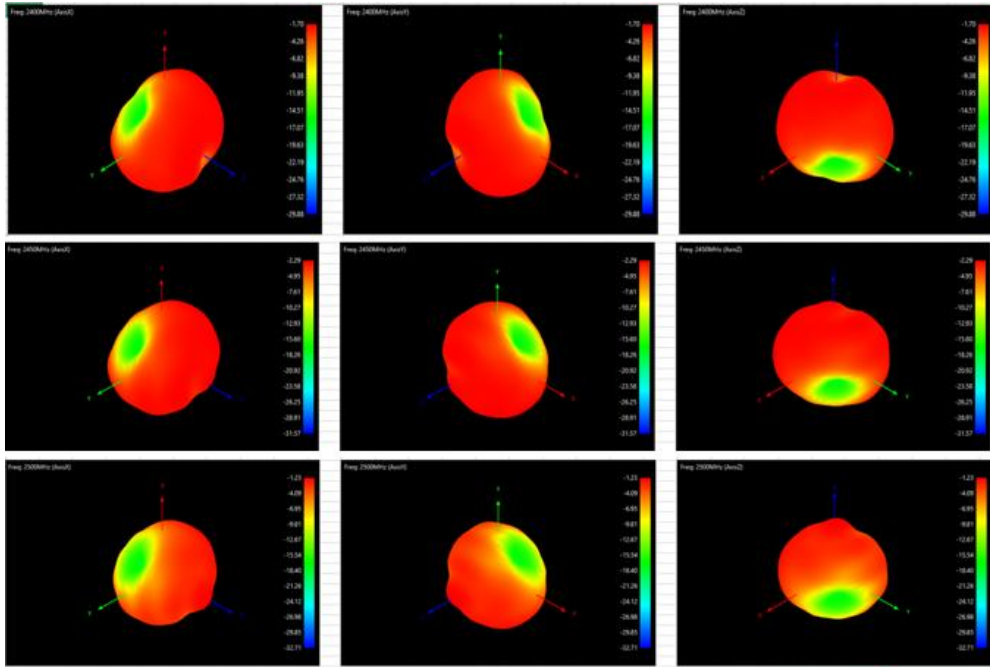
Measuring Method is a 50Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the S11 parameter, Keeping this fixture away from metal at least 20cm.



VSWR

3-3 2D/3D field pattern diagram

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3-4 Passive efficiency & Gain

Frequency(MHz)	Gain(dBi)	Efficiency(%)
2400	-0.25	25.45
2410	0.29	26.99
2420	0.51	27.36
2430	0.62	28.78
2440	0.71	29.09
2450	0.85	31.25
2460	0.76	30.88
2470	0.73	29.65
2480	0.55	28.25
2490	0.43	27.31
2500	0.12	26.55

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3-5
OTA active

FS TEST R BT		
CH	TRP	TIS
0	5.12	-88.79
39	6.25	-89.69
78	6.89	-89.75
BH TEST R BT		
CH	TRP	TIS
0	2.38	-86.65
39	2.96	-88.35
78	3.75	-88.41

4. Mechanical Specification:

Mechanical Configuration (Unit: mm) he appearance of the antenna is according to drawing Figure 10

顶设科技 i-Top Design	YX-H58-1-R FPC 天线	Pb RoHS Compliant
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