

深圳市亚鑫通信科技有限公司

样品承认书

Sample Approved Sheet

亚鑫通信（YX-HM18-R-V2）承认书

客户名称 深圳市国创微科技有限公司

客户机型 HM18

品 牌 亚鑫通信自产 YX-HM18-R-V2

Manufacturer: Shenzhen Guochuang Micro Technology Co., Ltd

Address: 1202B, Comprehensive Building C6, Hengfeng Industrial City, No. 739 Zhoushi Road, Hezhou Community, Hangcheng Street, Bao'an District, Shenzhen

亚鑫通信 判定审核组

制订	审核	批准	承认书完成时间
蒋亚男	吴寿平	吴寿兰	2025.12.20

国创微（客户）判定审核组

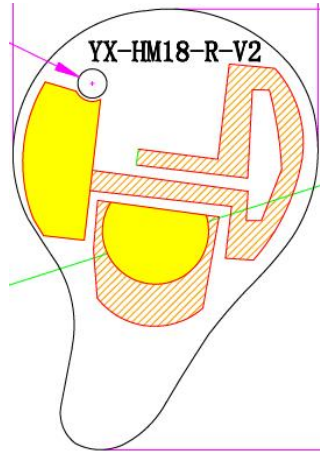
承认书编号 _____ 承认书提供时间 _____

承认	审核	批准	承认日期
评审项目： ☐ 承认书 3 份 ☐ 规格书/图纸 ☐ 检测报告 ☐ 样品____PCS ☐ 安规 ☐ HSF			
评审结果： ☐ 接受 ☐ 有条件接受 ☐ 拒绝			

项次	日期	版次	修订说明	备注
1	2025. 12. 20	A0	首次发行	

1. Antenna picture

Thereport mainly provides the test status oftheelectricalproperties parametersof YX-HM18-R-V2.he YX-HM18-R-V2enna 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:

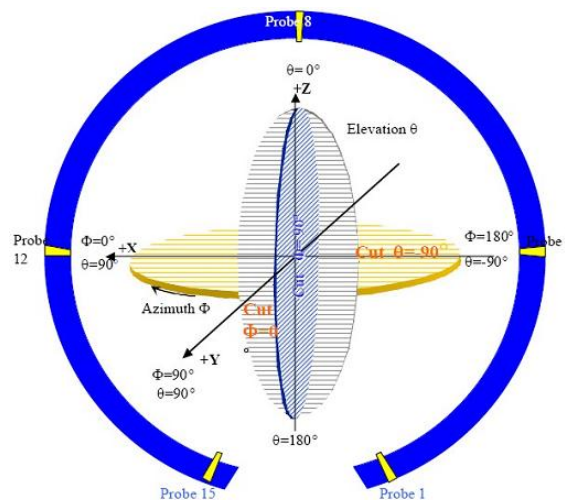


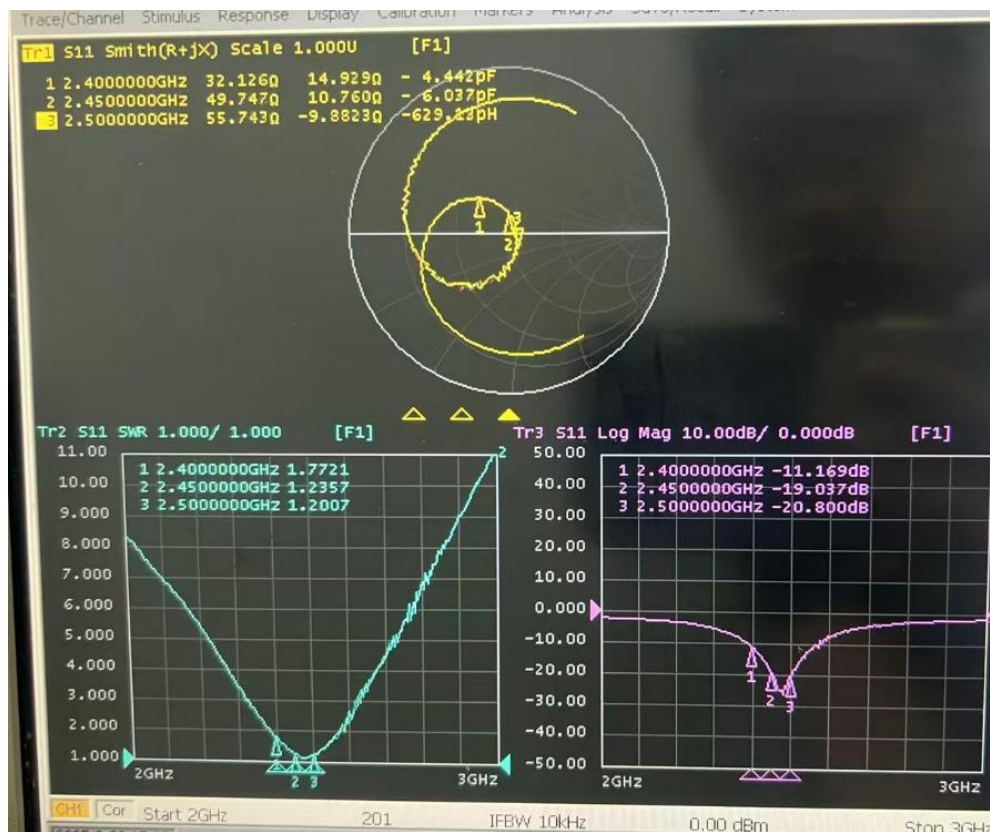
图 4 3D 微波暗室测试坐标系 (back view)

3. Electrical Specification

3-2 Passive S11 parameter

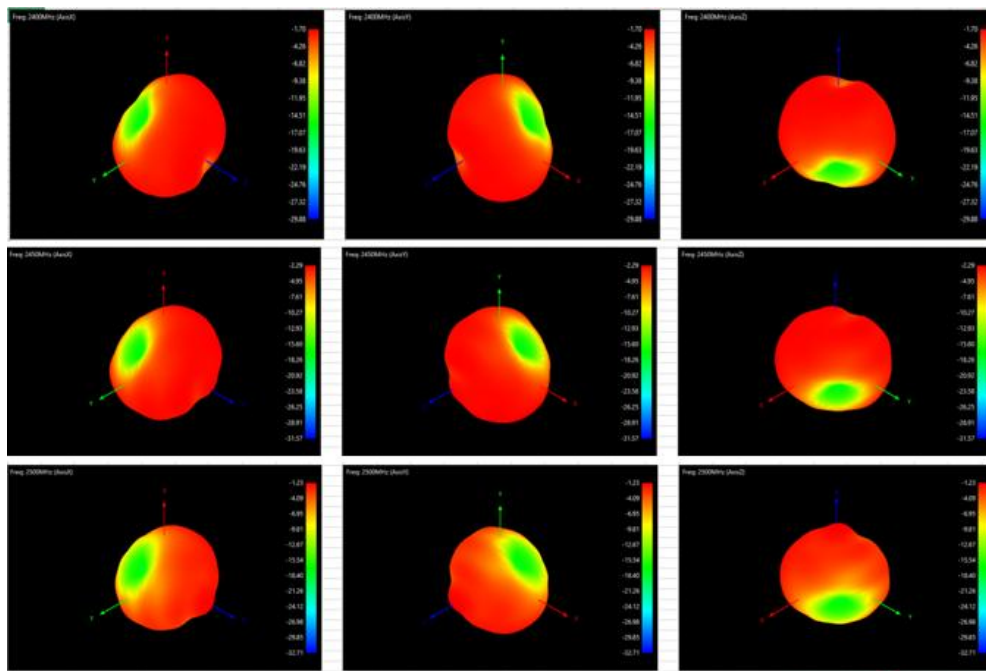
Measuring Method is a 50Ω coaxial cable is connected to the antenna. Then this cable is

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



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

3-5 OTA active

FS		BT
TEST	R	
CH	TRP	TIS
0	4.12	-87.79
39	5.25	-87.85
78	5.89	-88.36
BH		BT
TEST	R	
CH	TRP	TIS
0	2.38	-85.65
39	2.96	-85.78
78	3.75	-86.77

4. Mechanical Specification:

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

