Shenzhen Hetuo Technology Co., LTD

Sample acceptance certificate

Sample Approved Sheet

Cooperative Agreement (WIFI-003)

customer name Sanda Yinluo Technology Co., Ltd. customer model Z875, customer part number 1. 1.062.00000102/1. 1.062.00000103 brand HT-WIFI-003 is produced by Hecuo

Huituo Judgment Review Group

work out	examine and verify	ratify	Acknowledgment of the time of completion of the letter
Zhong Xiaoming	Wu Shouping	Dai Tingting	2025.2.26

Sanda (customer) determines the audit team

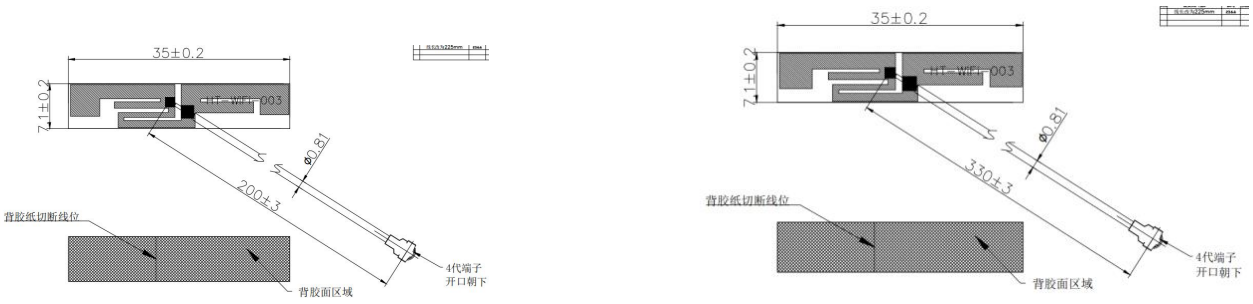
Identify the book number__ Provide the date of the acknowledgement letter

admit	examine and verify	ratify	Date of acknowledgement
Review items: 3 letters of recognition specification/drawings test report sample PCS safety regulations HSF			
Evaluation result: Accept qualified acceptance refuse			

Item	date	order of the edition	revision note	remarks
1	2025.2.26	A0	initial issue	
2				

1. Antenna picture

The report mainly provides the test status of the electrical properties parameters of HT-WIFI-003 .
The HT-WIFI-003 antenna is a **WiFi**
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:

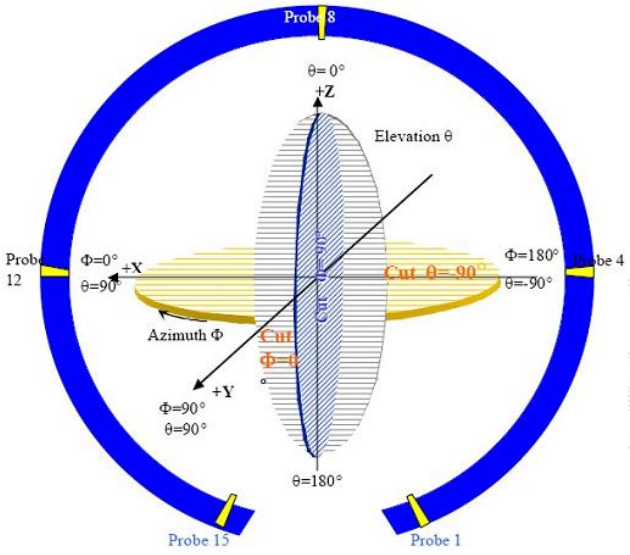


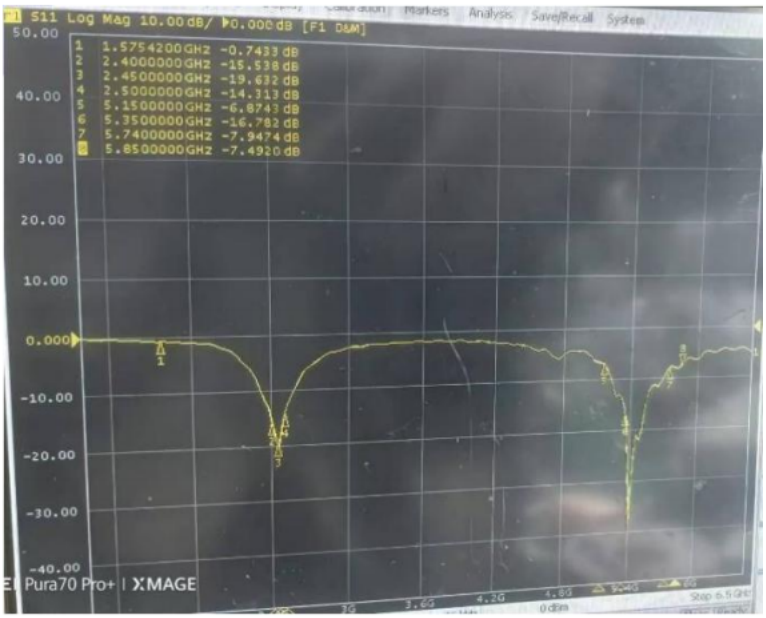
图 4 3D 微波暗室测试坐标系(back view)

3. Electrical Specification

3-2 Passive S11 parameter

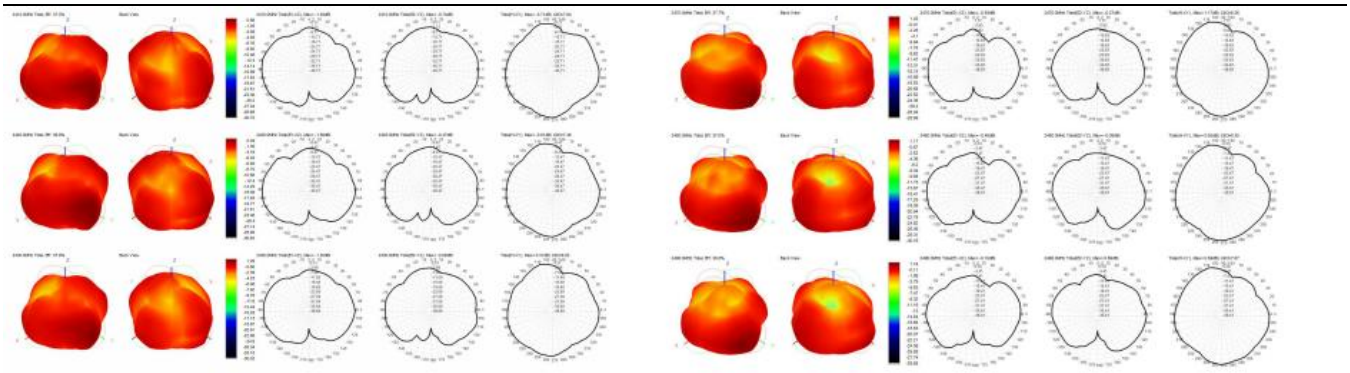
Measuring Method is a 50Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the S11 parameter, Keeping this fixture away from metal at least 20cm.

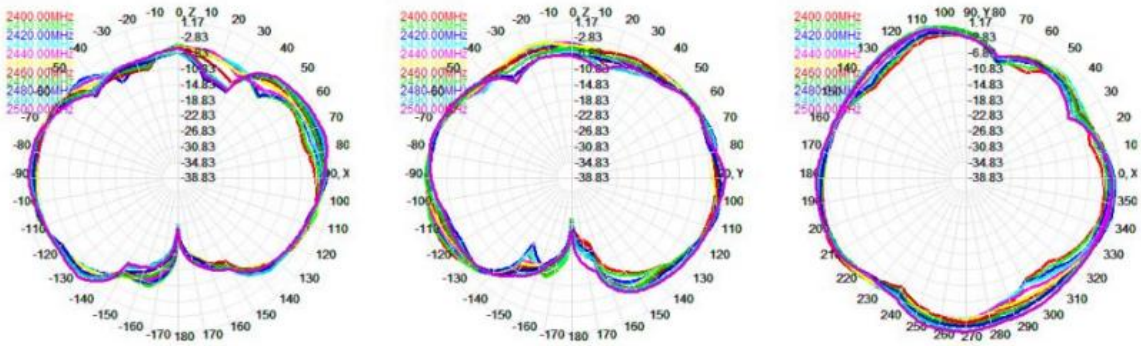
VSWR



3-3 Antenna Matching Network

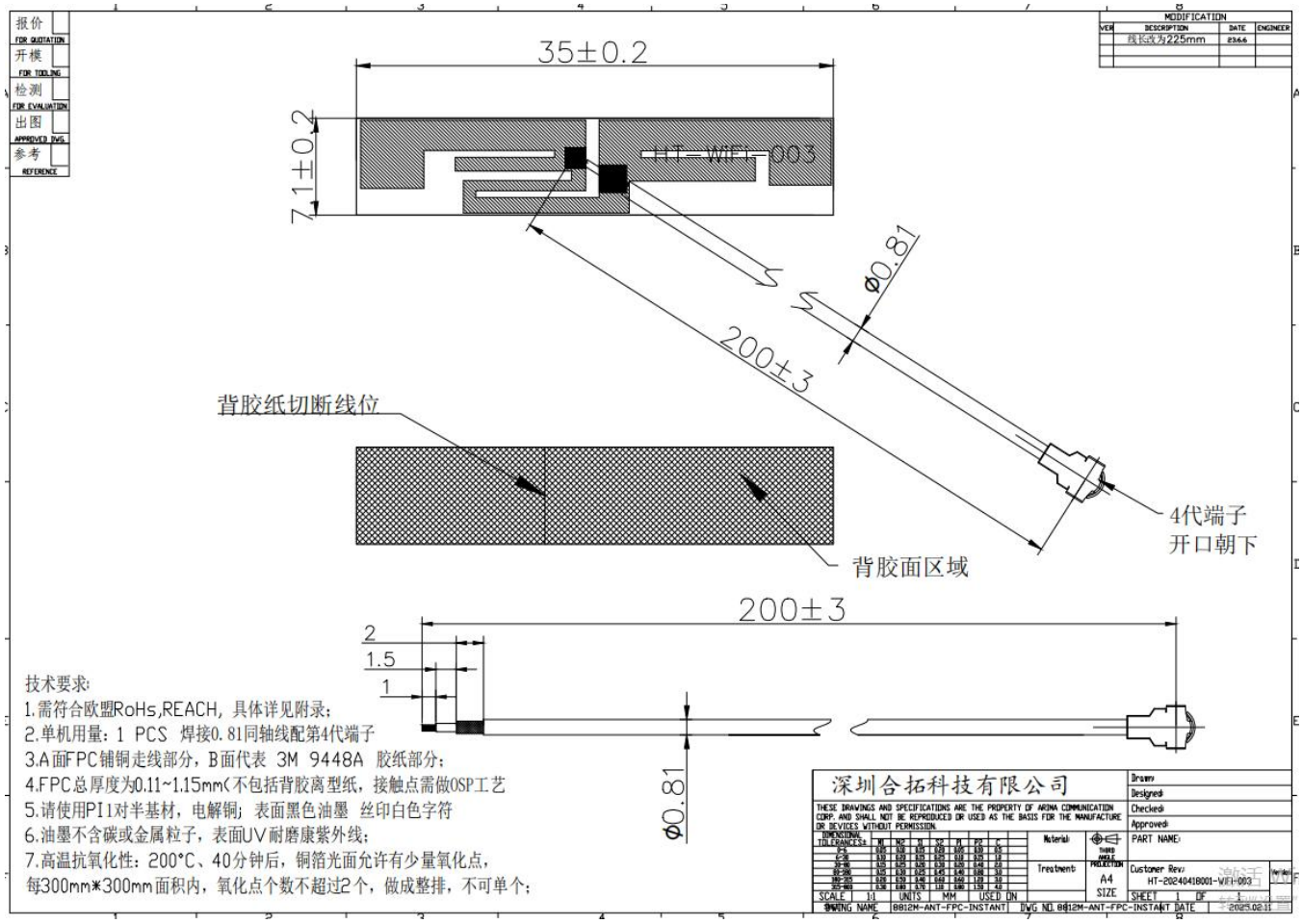
Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	27.2	1.3
2420	28.1	1.6
2440	29.2	1.4
2460	28.8	1.4
2480	28.9	1.6
2500	29.3	1.6
5180	30.1	1.5
5240	28.8	1.6
5745	28.5	1.6
5850	27.3	1.4
5900	27.7	1.3





Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band	Wireless Protocol	Channel	TRP(dBm)	TIS(dBm)
WIFI	802.11b（11M）	1	9.3	-77.6
		6	10.7	-78.9
		11	10.5	-77.1
WIFI	802.11g（54M）	1	8.3	-68.8
		6	8.8	-69.2
		11	8.6	-69.7
WIFI	802.11n（CS7）	1	9.3	-68.6
		6	9.3	-68.8
		11	9.1	-68.2
WIFI	802.11a（54M）	36	8.3	-67.2
		60	8.5	-67.3
		161	9.7	-67.9

Corresponding customer part number: 1.1.062.00000102



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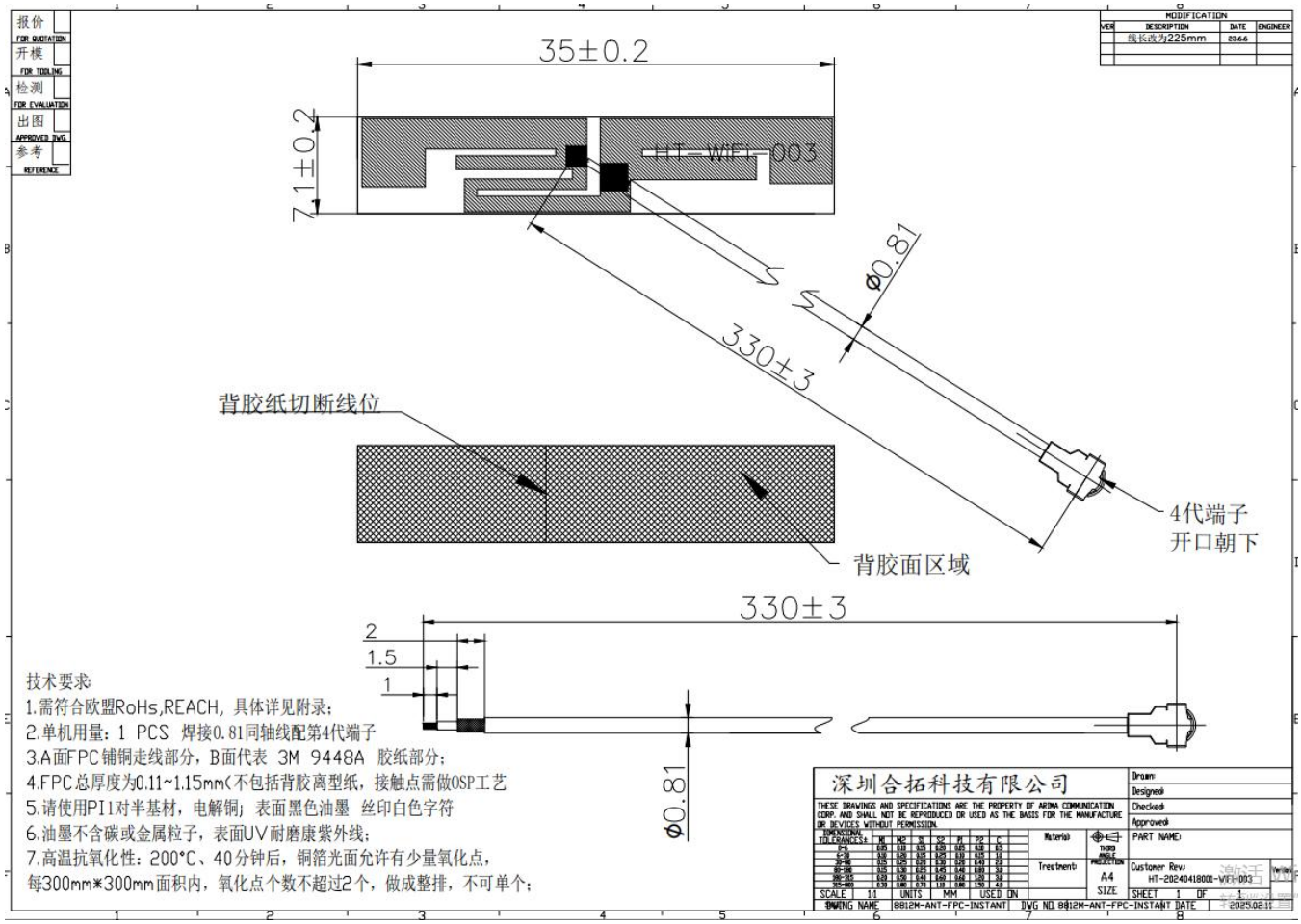
Corresponding customer part number: 1.1.062.00000103