

Customer Name: Shenzhen Kuyingpai Technology Co., Ltd

Customer model: _____

Customer part number: _____

Customer specification description: _____

Red dot part number: HD. F-33-8. 5-50-IPX

Red dot specification description : 2. 4G antenna 0. 81 black wire length 50mm second-generation terminal (RoHS)

Letter of Acknowledgment

Confirm signature and seal					
Red dot confirmation			Customer confirmation		
sample preparation	review	approve	verification	review	approve
Luchao Zhou	Lady Left	Dongmei Zhang			
Sign and stamp with a red dot			Customer signature and stamp		
d a t e	2023-06- 0 1		d a t e	2023-06- 01	

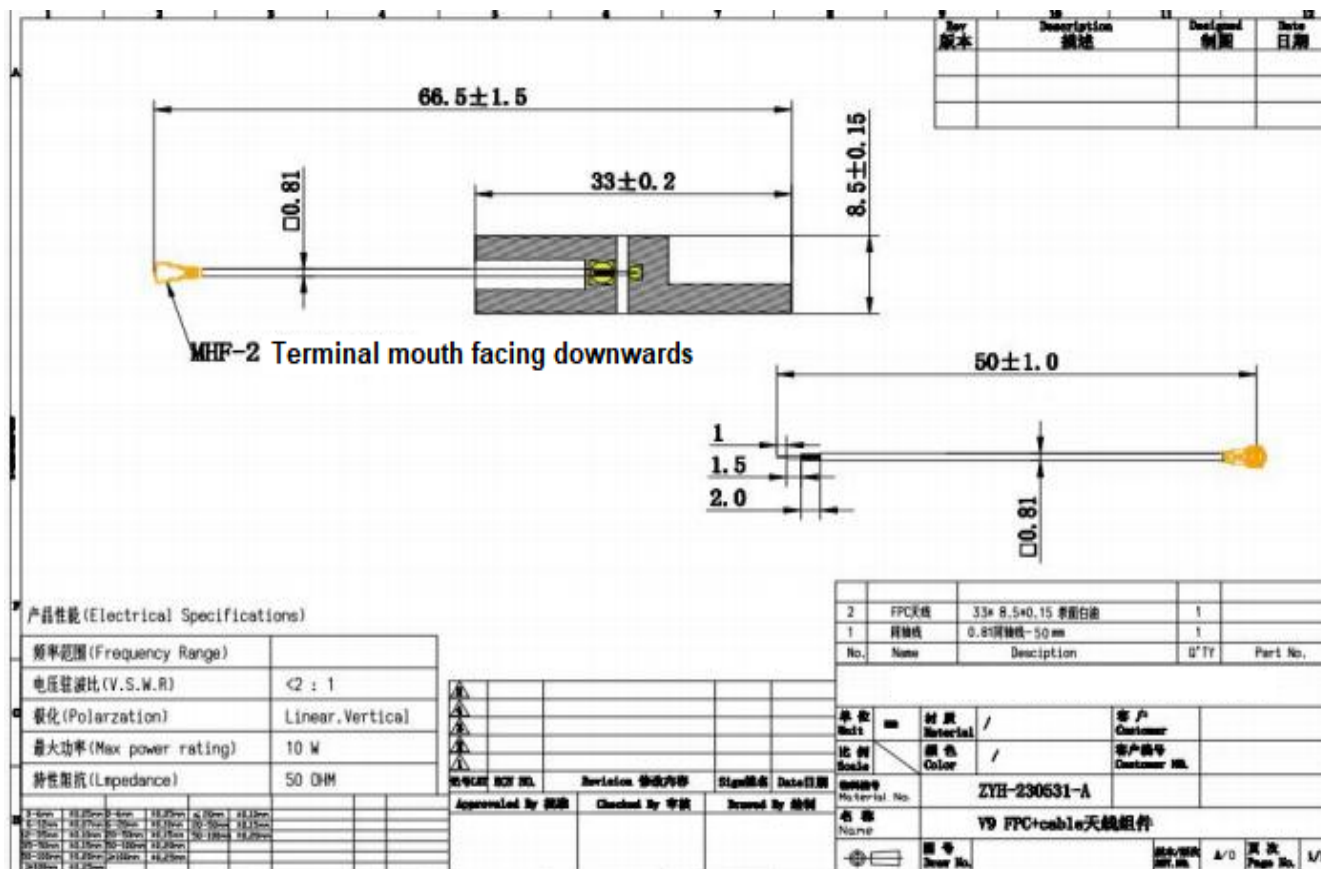
2. Document Development/Revision/Abolition Resume

[illegible]

3.Catalog

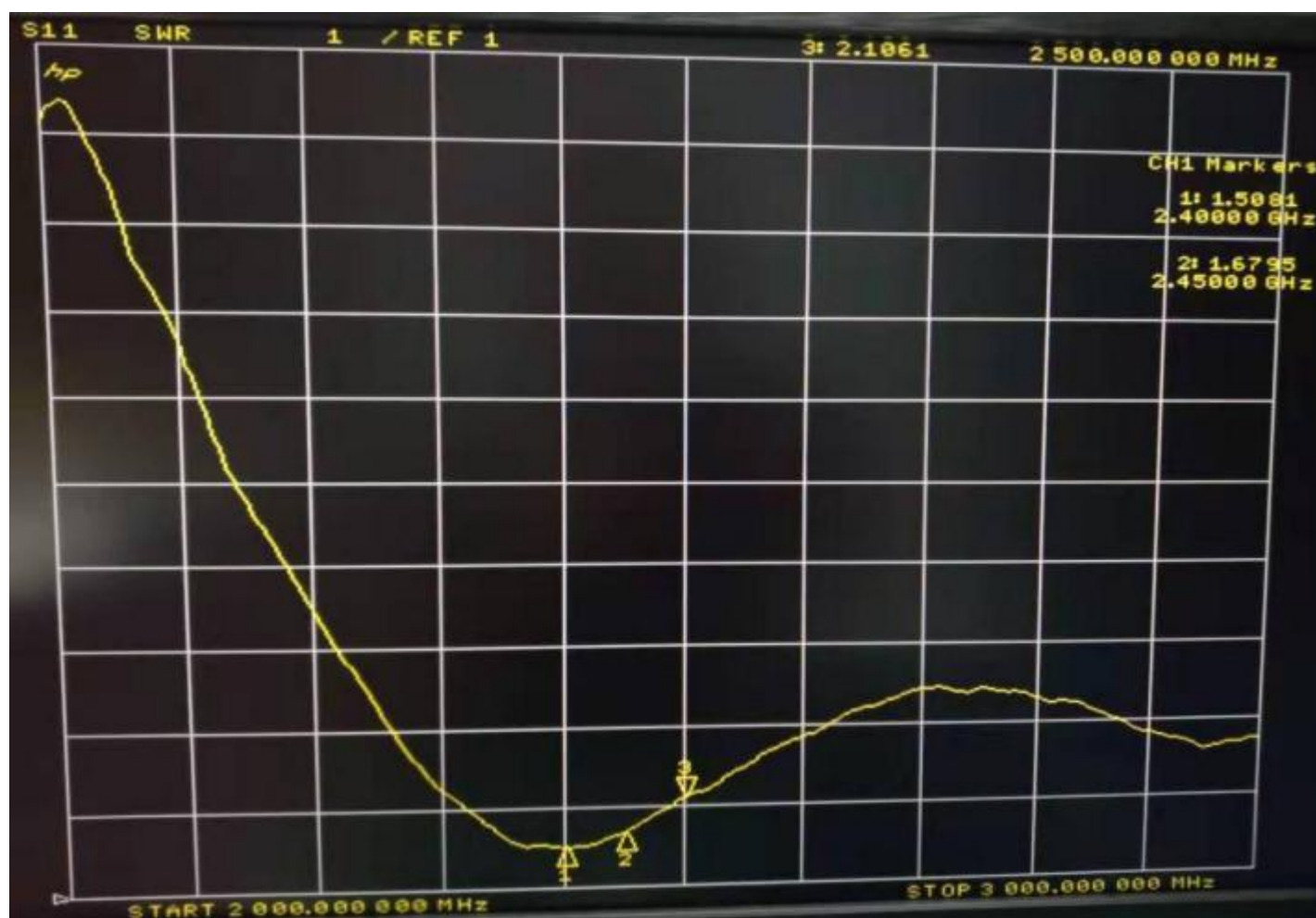
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4、Product drawing



5、 Passive performance testing parameters

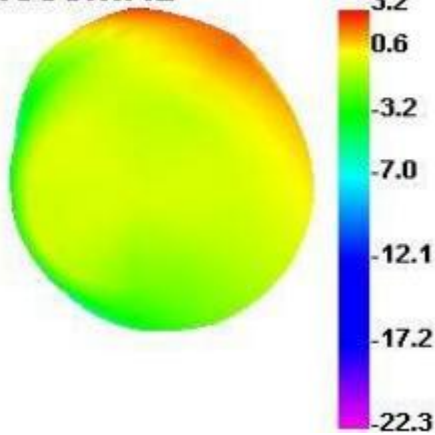
Frequency (MHz)	2400	2450	2500
Return loss	1.5	1.67	2.1



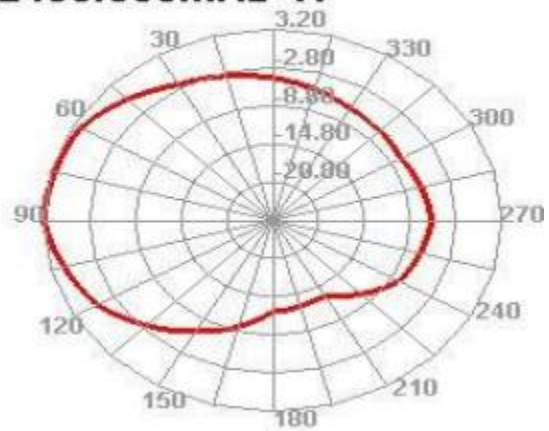
6、 2D and 3D performance charts

Passive Test For WIFI2.4								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)
2400	55.29	-2.57	3.08	0.93	28.28	27.014	3.08	-18.25
2410	61.2	-2.13	3.47	1.32	30.896	30.3	3.47	-19.3
2420	63.94	-1.94	3.53	1.38	31.939	31.999	3.53	-18.55
2430	64.68	-1.89	3.38	1.23	32.155	32.526	3.38	-16.77
2440	63.58	-1.97	3.2	1.05	31.789	31.788	3.2	-15.03
2450	65.3	-1.85	3.32	1.17	33.055	32.242	3.32	-14.27
2460	61.48	-2.11	3.06	0.91	31.727	29.753	3.06	-13.36
2470	58.24	-2.35	2.64	0.49	30.739	27.501	2.64	-13.45
2480	55.89	-2.53	2.26	0.11	30.404	25.486	2.26	-14.1
2490	54.23	-2.66	1.72	-0.43	30.407	23.827	1.72	-13.87
2500	50.83	-2.94	1.4	-0.75	29.198	21.631	1.4	-13.6

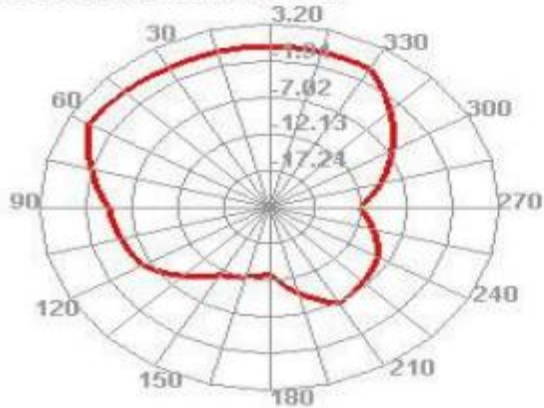
2400.000MHz



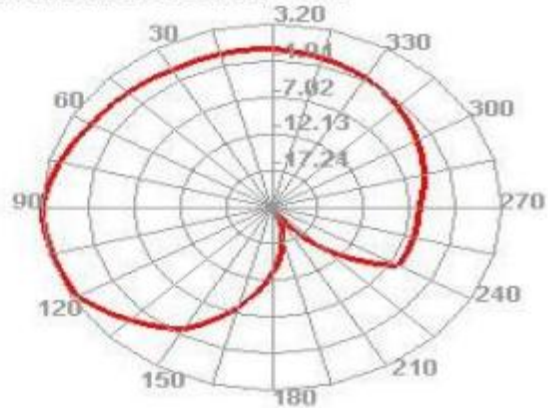
2400.000MHz H



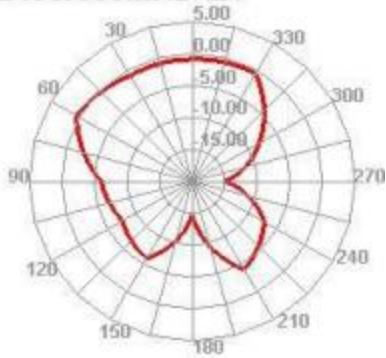
2400.000MHz E1



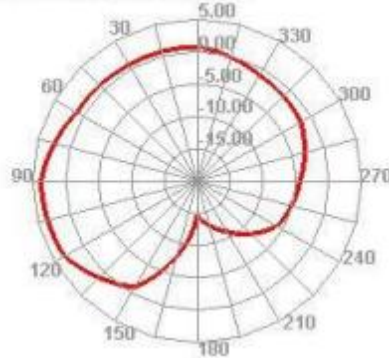
2400.000MHz E2



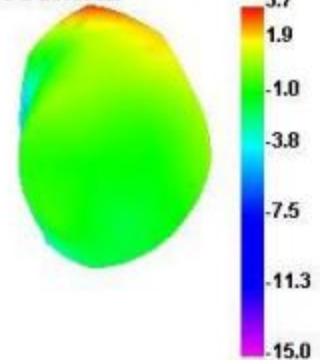
2450.000MHz E1



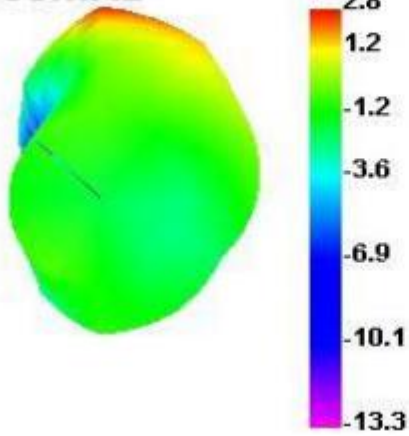
2450.000MHz E2



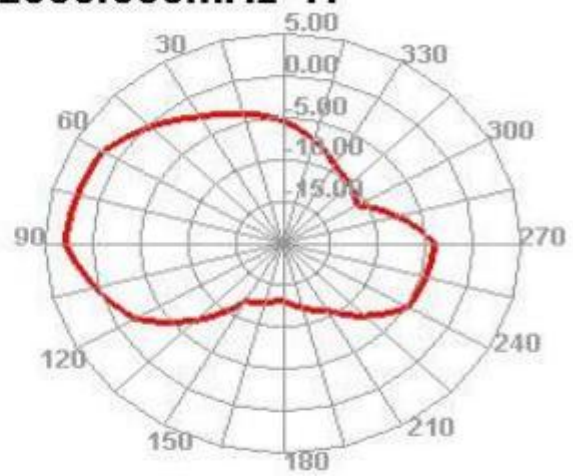
2450.000MHz



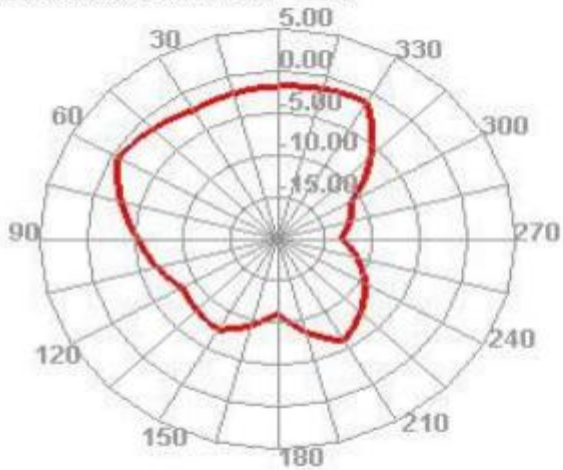
2500.000MHz



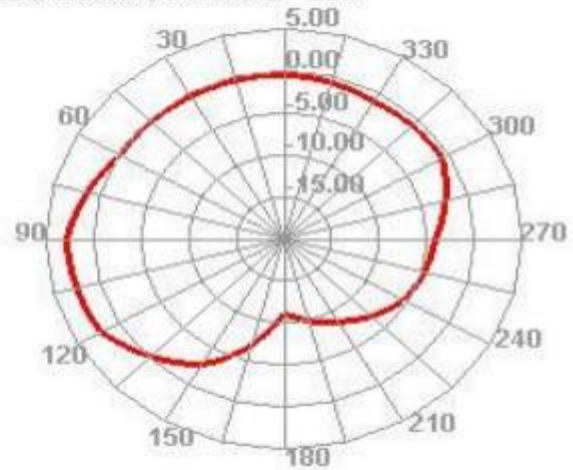
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



7、Electrical Performance Test Report

名称 项目	2.4G天线	Name	2.4G Antenna
频率范围 (MHz)	2400-2500	Frequency (MHz)	2400-2500
带宽 (MHz)	100	Bandwidth (MHz)	100
极化方式	线极化	Polarization Type	linear polarization
天线增益 (dBi)	3.53	Gain (dBi)	3.53
辐射方向	全向	Radiation Pattern	Omni directional
电压驻波比	≤ 2.5	VSWR	≤ 2.5
输入阻抗 (Ω)	50	Input Impedance (Ω)	50
电缆线长度 (mm)	50	Cable length (mm)	50
电缆线颜色	黑色	Cable Colour	Black
接口形式	IPEX	Connector Type	IPEX MHF
工作温度 ($^{\circ}\text{C}$)	-40~+85	Operation temperature ($^{\circ}\text{C}$)	-40~+85
存储温度 ($^{\circ}\text{C}$)	-40~+85	Store temperat ($^{\circ}\text{C}$)	-40~+85

8、Product packaging specifications

Product Part Number: HD. F-33-8. 5-50-IPX				
Product specifications: 2.4G antenna 0.81 black wire length 50mm second-generation terminal				
1、Label requirements				
Inner label length 45, width 70			Inner label length 45, width 70	
buyer			buyer	
supplier	Red Dot Information Technology (Shenzhen) Co., Ltd		supplier	Red Dot Information Technology (Shenzhen) Co., Ltd
Customer Order Number			Customer Order Number	
Customer Part Number			Customer Part Number	
Material Code			Material Code	
Product Name and Specifications	inspector		Product Name and Specifications	inspector
quantity	Production Date		quantity	Production Date
remark			remark	
2、Packing requirements				
1. Internal packaging Product xxxPCS/ZhaxxxPCS/Bag				
2. Outer packaging: xxxPCS boxes				
Notes:				