

深圳市千目通讯科技有限公司

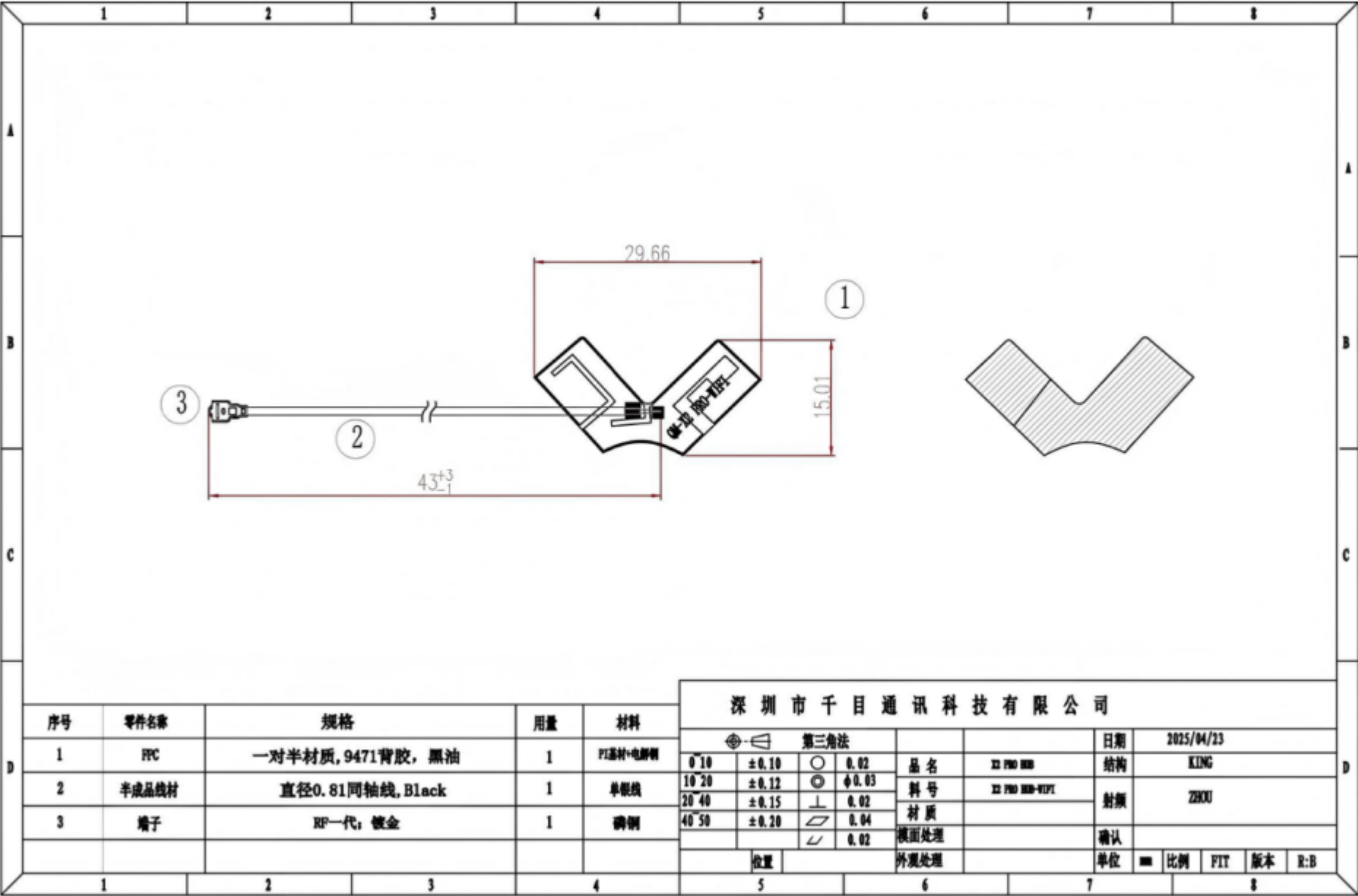
Shenzhen Qianmu Communication Technology Co.,Ltd.

天线承认书

适用型号	QM-X2 PRO-HUB-WiFi		
客户	弗瑞奇科技		
规格描述			
	产品内容	规格	客户物料编码
规格描述	WiFi 天线	FPC/黑色/字符 QM-X2 PRO-WIFI+ 一代端子 0.81*43mm	
更改履历			
序号	日期	版本	更改内容简述
1	2025-04-23	V1.0	新项目
2			
3			

供应商样品确认					
研发	结构		审核	判定	
周瑞	王波			PASS ☒ FAIL ☐	
客户样品确认					
电子	结构	项目	采购	品质	审核
拒收原因或其它注意事项:					

1、天线图纸

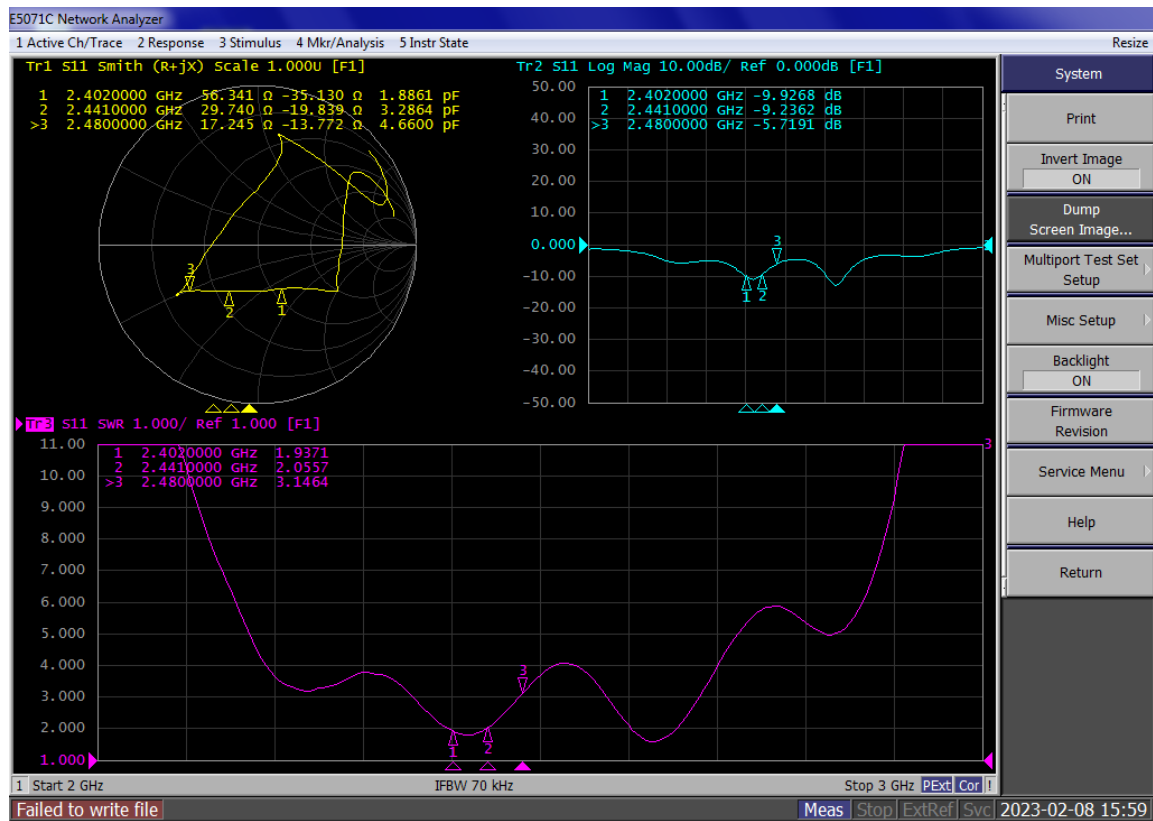


SPECIFICATIONS

Frequency (MHz)	2400-2480
Peak Gain (dBi)	2.499
Average Gain (dBi)	>-4
VSWR	<3.2
Impedance (Ω)	50 Ω
Antenna Type	FPC Antenna
Polarization	Linear

Antenna passive S-parameter:

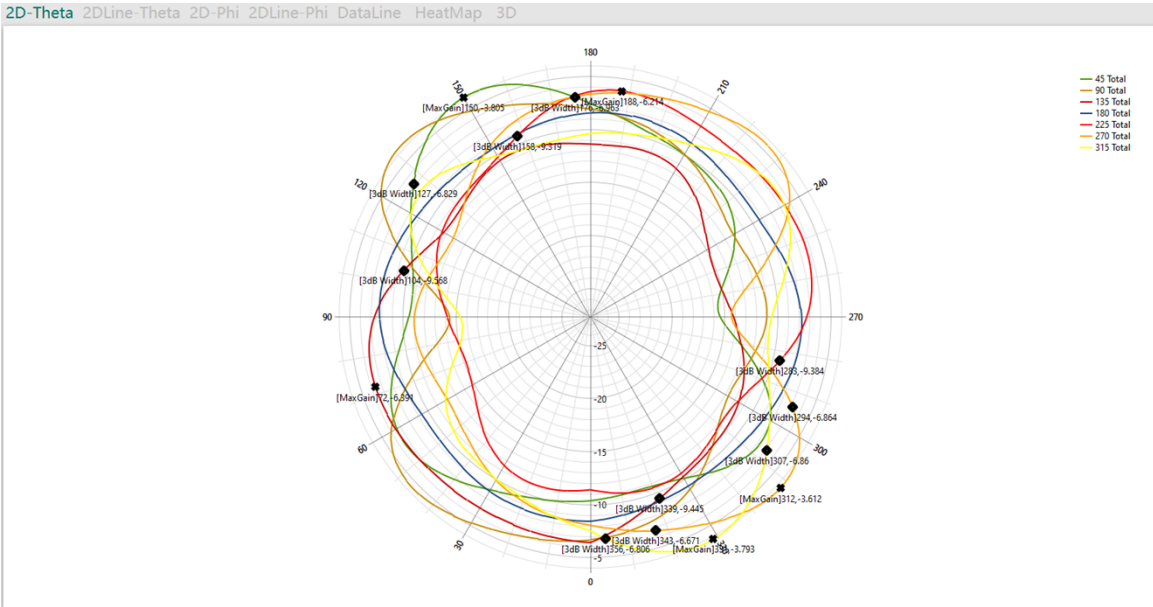
(VSWR)、(Return Loss) and Smith's circular chart



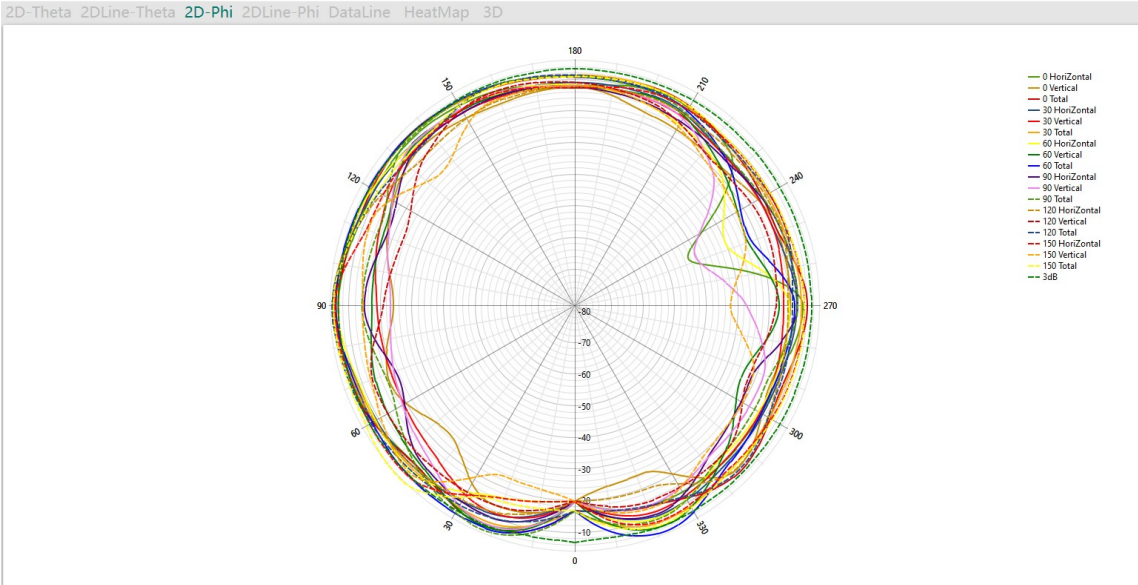
Antenna efficiency and gain

Frequency (MHz)	Gain (dBi)	Efficiency (%)	AverageGain (dBi)	Efficiency (dB)
2400	1.433	59.329%	-2.717	-2.267
2410	0.927	51.861%	-3.416	-2.852
2420	0.829	52.112%	-3.166	-2.831
2430	0.881	49.299%	-3.258	-3.072
2440	1.192	50.672%	-3.144	-2.952
2450	1.688	53.067%	-2.735	-2.752
2460	2.194	59.423%	-2.276	-2.260
2470	2.118	56.680%	-2.438	-2.466
2480	2.499	61.727%	-2.112	-2.095
Average	1.529	54.908%	-2.806	-2.616
Peak	2.499	61.727%	-2.112	-2.095

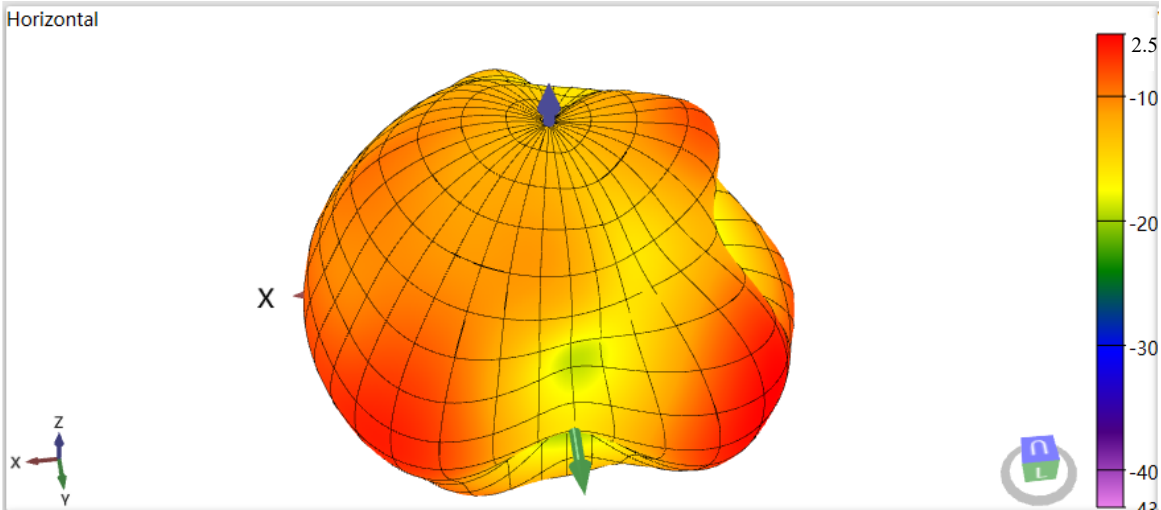
2440MHz 2D-Theta Pattern



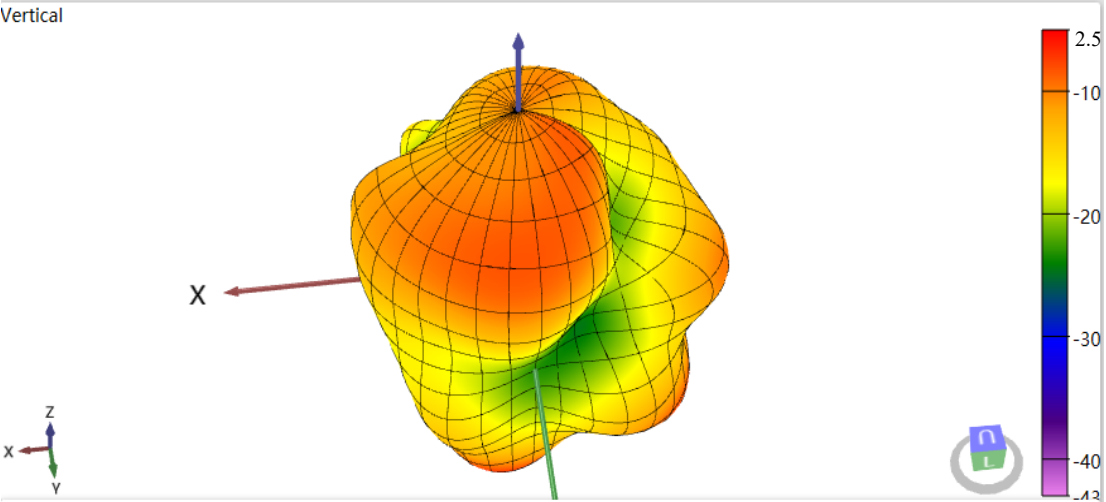
2440MHz 2D-Phi Pattern



2440MHz 3D-Horizontal Pattern



2440MHz 3D-Vertical Pattern



2440MHz 3D-Total Pattern

