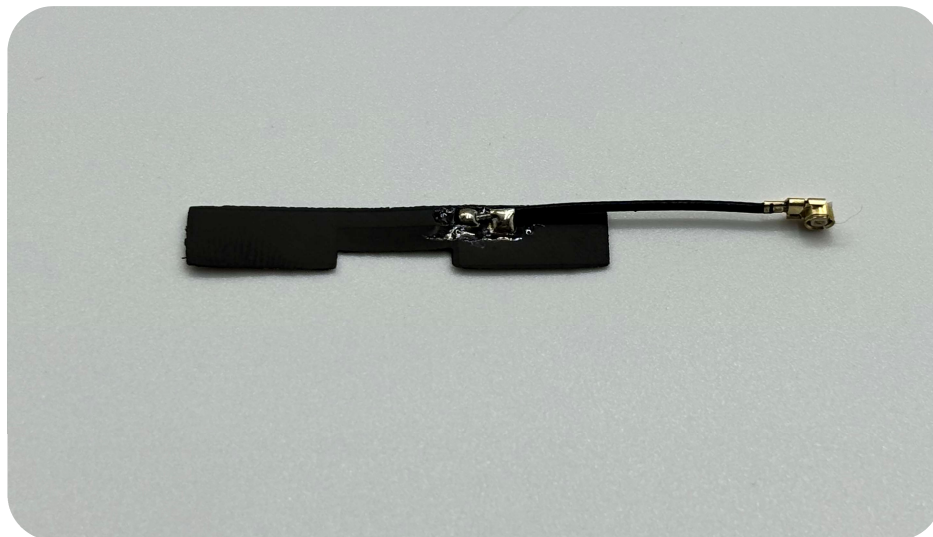


SPECIFICATION



1 、主要部件组成 Part specification

产品名称: WiFi 天线		型号 Part no: HC-ANT-AR24503032
1	连接器 Connector Type	IPEX
2	连接器镀层 Connector Coating	镀金
3	线材 Cable Type	RG0.81
4	背胶 Gum	3M-300SLE
6	特殊工艺 Technology	-
7	辐射阵子 Radiating Element	FPC

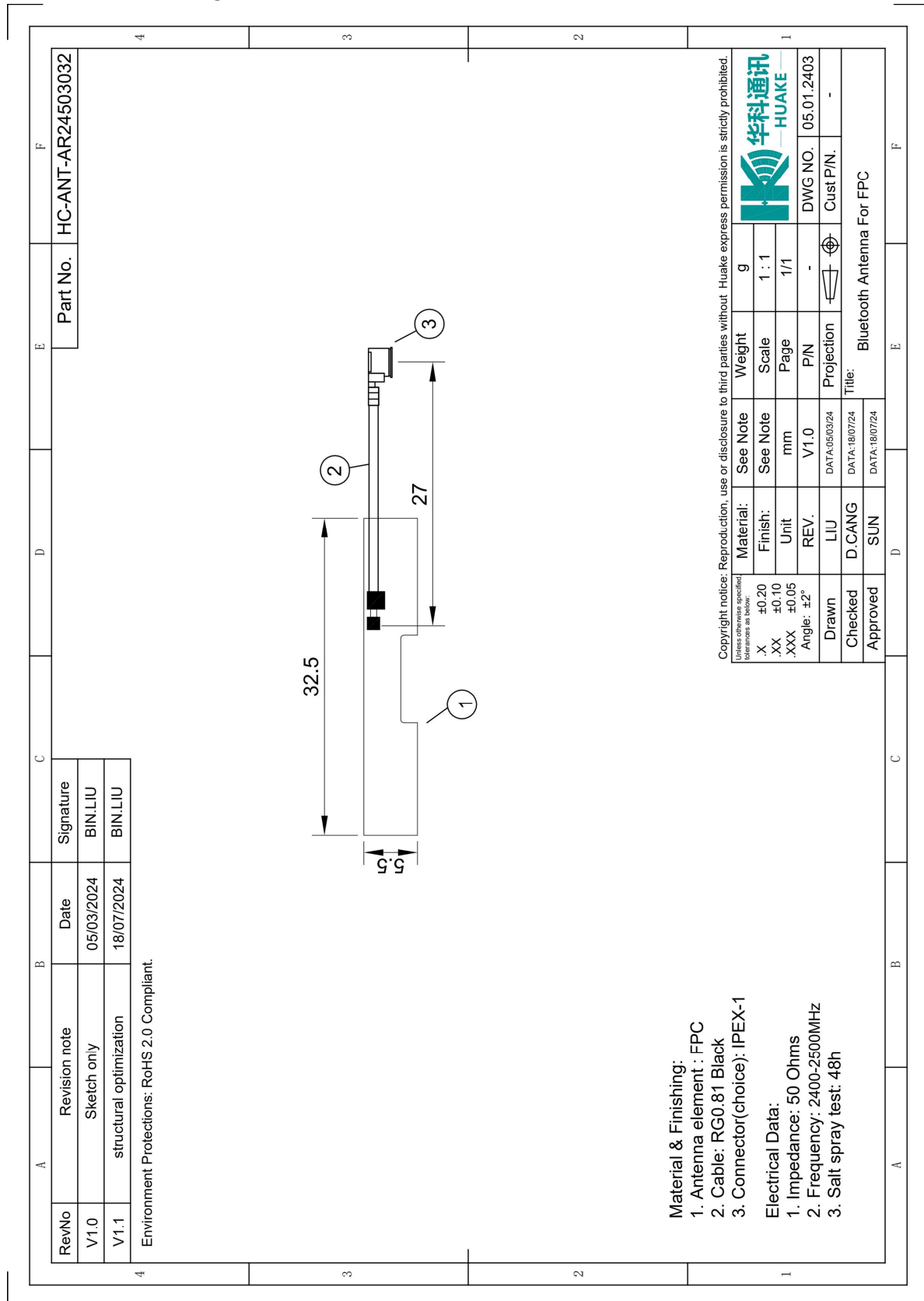
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2 、特性参数 Pharacteristic parameter

频率范围 Frenquency Rang	2400-2500MHz
输入阻抗 Impedance	50Ω
辐射方向 Radiation	全向
极化方式 Polarization	Line
镀层 Coating	镀黑
天线高度 Height	32.5*5.5mm
馈线长度 Cable Length	27mm
工作温度 working Temperature	-45- + 85℃
存储温度 Storage Temperature	-45- + 85℃
适用频段 Applicable Band	WiFi
湿度 Humidity	< 95%
安装方式 Installation mode	粘贴、按扣

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3、尺寸规格 Drawing



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4、电性能测试 VSWR experiment



频点 (MHz)	驻波比值	驻波比误差范围			
		参考值	判定	参考值	判定
2400MHz	1.83	≤2.0	合格	> 2.0	不合格
2450 MHz	1.49	≤2.0	合格	> 2.0	不合格
2500 MHz	1.16	≤2.0	合格	> 2.0	不合格
测试仪器：网络分析仪 5071C		测试环境：-		匹配终端：-	

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5、增益与效率 Gain、Efficiency t

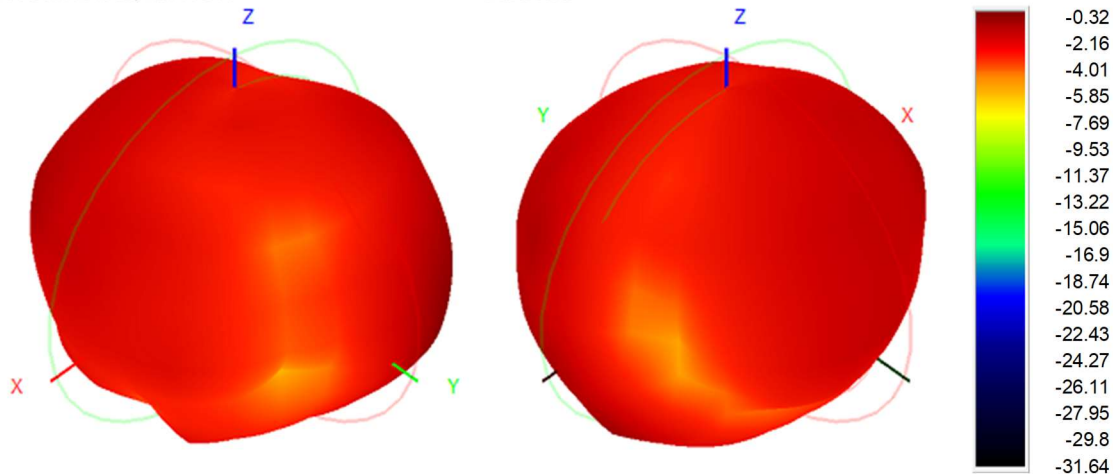
Item	Frequency(MHz)	Gain(dBi)	Efficiency(%)
1	2400	-0.32	35.84
2	2410	-0.44	33.23
3	2420	0.19	34.60
4	2430	0.51	33.53
5	2440	0.92	34.03
6	2450	0.62	30.04
7	2460	0.58	29.89
8	2470	0.09	27.30
9	2480	-0.38	25.91
10	2490	-0.90	25.08
11	2500	-1.47	24.92

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5. 2D&3D Radiation Pattern

2400.0MHz Total, Eff: 35.8%

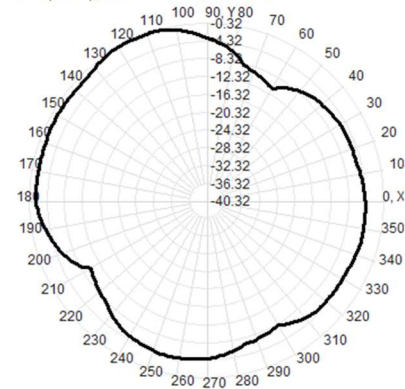
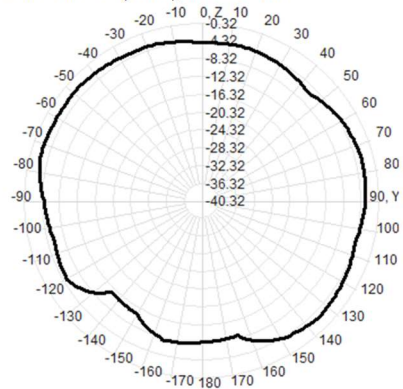
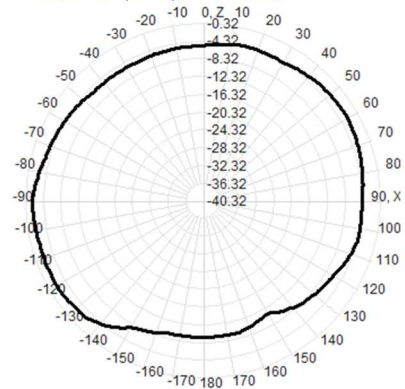
Back View



2400.0MHz Total(E1-XZ), Max = -1.84dBi

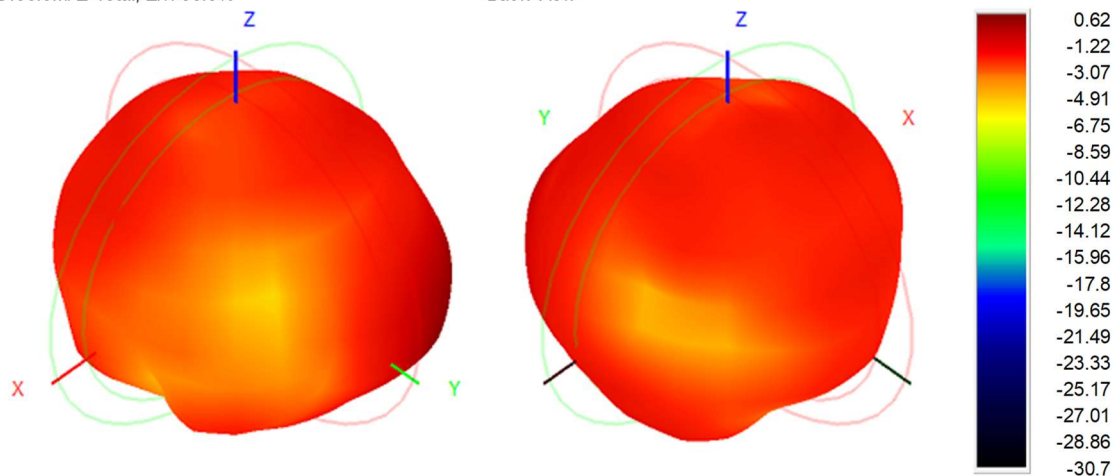
2400.0MHz Total(E2-YZ), Max = -2.69dBi

Total(H-XY), Max = -0.32dBi, CirD=10.89



2450.0MHz Total, Eff: 30.0%

Back View

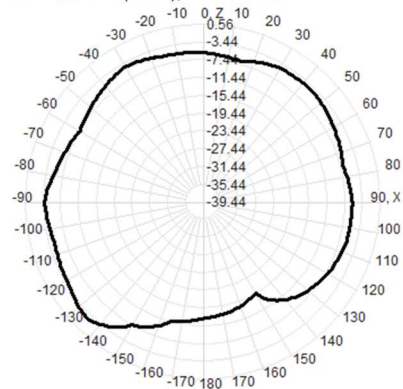


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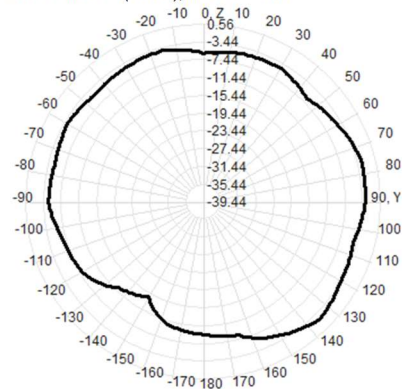
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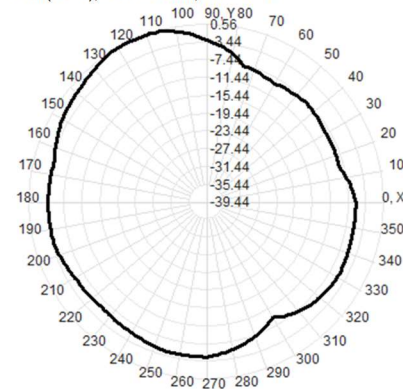
2450.0MHz Total(E1-XZ), Max= -2.52dBi



2450.0MHz Total(E2-YZ), Max= -2.42dBi

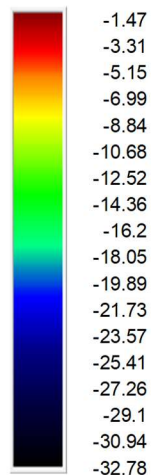
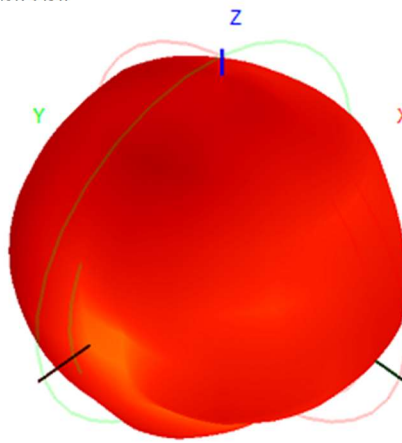
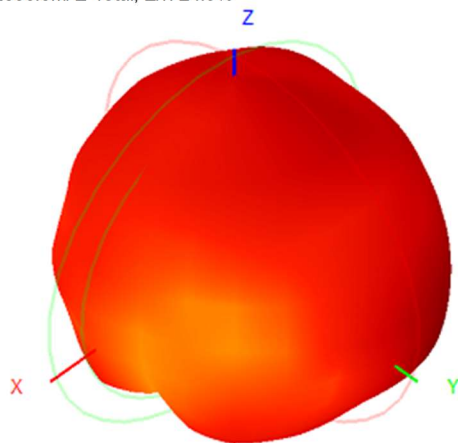


Total(H-XY), Max= 0.56dBi, CirD=10.12

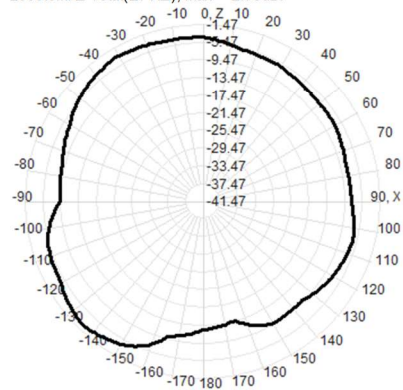


2500.0MHz Total, Eff: 24.9%

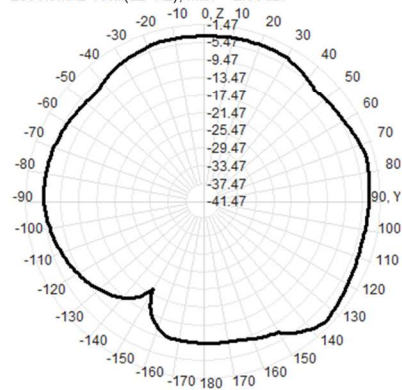
Back View



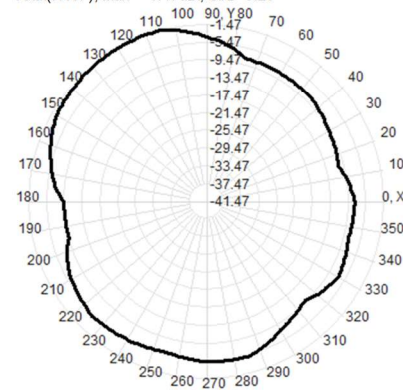
2500.0MHz Total(E1-XZ), Max= -2.78dBi



2500.0MHz Total(E2-YZ), Max= -2.95dBi



Total(H-XY), Max= -1.47dBi, CirD=9.29



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