

产 品 规 格 书

PRODUCT SPECIFICATION SHEET

物料名称

APPELLATION: N2450 Antenna

产品型号

PART NUMBER: N2450

Producers	工艺审核 <i>Technical</i>	品质审核 <i>Quality</i>	项目审核 <i>Project</i>	开发审核 <i>Developing</i>
	岳猛	叶成周	李海潮	张旗

Client	材料工程师 Materials Engineer	设计工程师 Engineer	主管审批 Approval	研发体系 R & D System

1、 产品技术指标 (PRODUCT TECHNICAL SPECIFICATION)

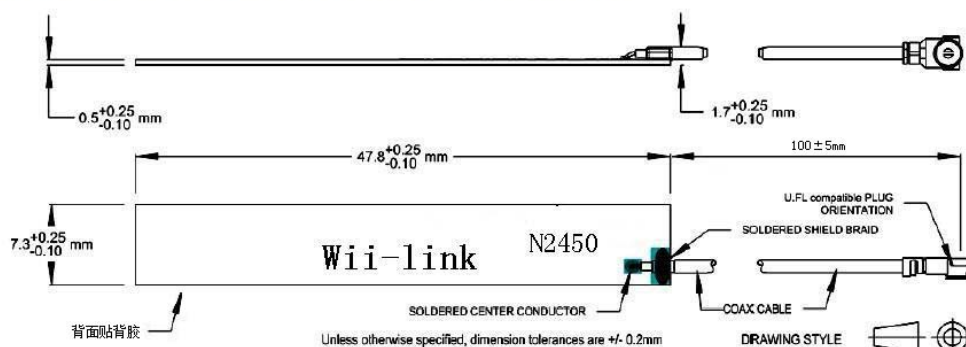
电性能指标 Electrical Specifications	
频率范围 Frequency Range (MHz)	2400 ~ 2500 MHz
输入阻抗 Input Impedence	Input Impedence (Ω) 50
电压驻波比 V.S.W.R	≤ 2.0
极化形式 Polarization Type	Vertical
雷电保护 Lightning Protection	DC grounding
功率容量 Power Capacity (w)	50
机械指标 Mechanical Specifications	
天线尺寸 Antenna Length (mm)	Long X width X thickness: 47 X 7.3 X 0.5
辐射体 Radiator	Cuprum
连接器型号 Connect Type	IPEX
工作温度 Working Temp($^{\circ}\text{C}$)	-40~60
储藏温度 Storage Temperature($^{\circ}\text{C}$)	-20~40
重量 Weight (g)	11.5

Product Introduction

N2450 is the 2.4GHz external FPC antenna and omnidirectional gain antenna launched by our company, The gain can be up to 2.02dBi, which is comparable to the external rod-shaped omnidirectional antenna commonly used in wireless routers. High cost performance!

2、 产品规格图(PRODUCT SPECIFICATION CHART)

Product Dimension Drawings



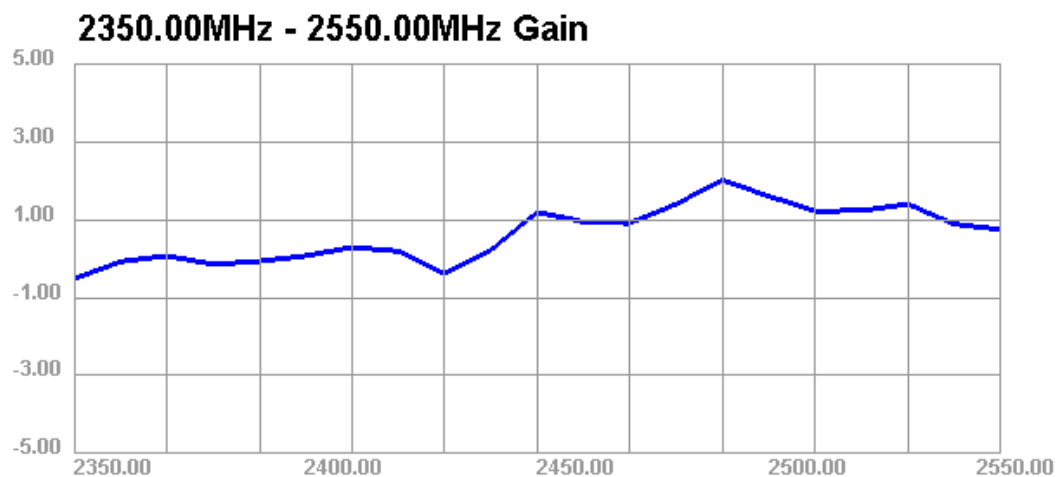
3、 驻波图 (STATIONARY WAVE PATTERN)



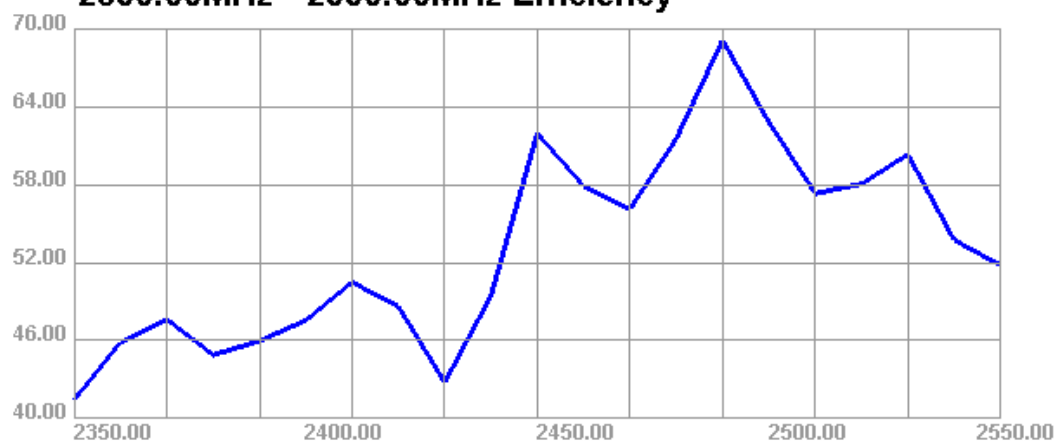
4. Passive Test For 2.4G

Passive Test For wifi								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	47.57	-3.23	0.07	-2.08	0.07	-17.55	47.06	46.33
2410	50.49	-2.97	0.29	-1.86	0.29	-17.84	47.2	46.63
2420	48.63	-3.13	0.19	-1.96	0.19	-18.34	47.32	46.53
2430	42.78	-3.69	-0.38	-2.53	-0.38	-19.05	47.08	46.39
2440	49.46	-3.06	0.22	-1.93	0.22	-18.4	47.26	46.55
2450	61.96	-2.08	1.2	-0.95	1.2	-17.21	48	47.41
2460	57.89	-2.37	0.95	-1.2	0.95	-17.28	48.03	47.34
2470	56.11	-2.51	0.91	-1.24	0.91	-17.35	48.08	47.47
2480	61.54	-2.11	1.4	-0.75	1.4	-16.99	48.2	47.68
2490	69.12	-1.6	2.02	-0.13	2.02	-16.49	48.41	47.89
2500	62.81	-2.02	1.6	-0.55	1.6	-16.99	48.36	47.93
2510	57.32	-2.42	1.23	-0.92	1.23	-17.39	48.17	47.66
2520	58.07	-2.36	1.23	-0.92	1.23	-17.13	48.09	47.68
2530	60.32	-2.2	1.4	-0.75	1.4	-16.68	48.03	47.56
2540	53.74	-2.7	0.89	-1.26	0.89	-16.94	47.97	47.54
2550	51.79	-2.86	0.75	-1.4	0.75	-16.98	48.04	47.63

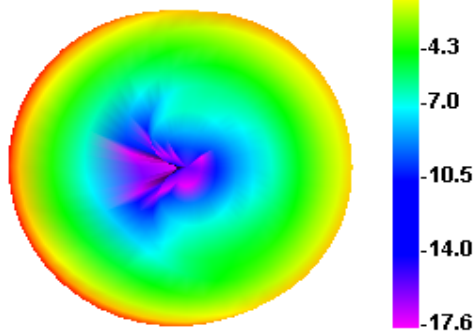
5. Antenna efficiency and 2D&3D gain diagram



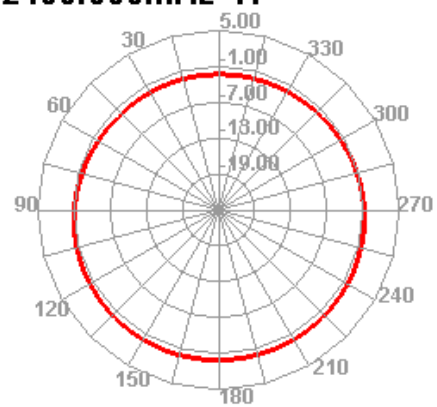
2350.00MHz - 2550.00MHz Efficiency



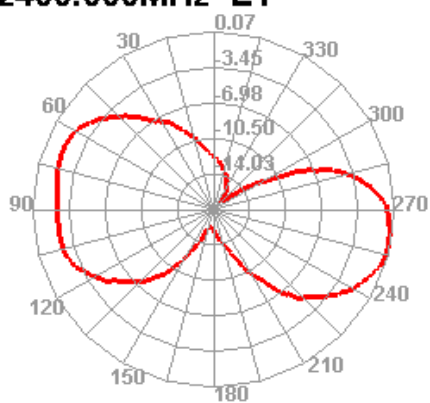
2400.000MHz



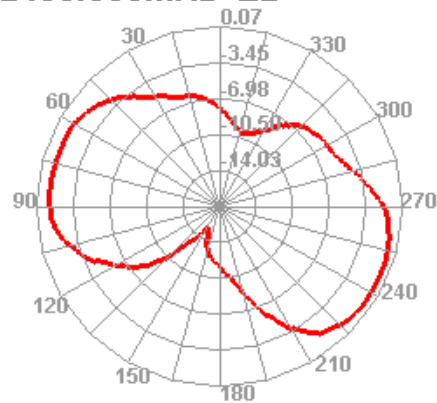
2400.000MHz H



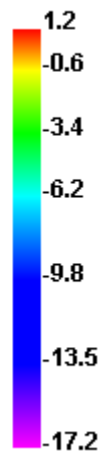
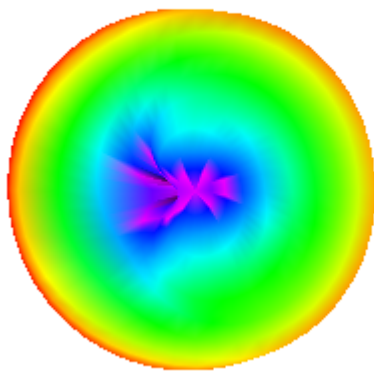
2400.000MHz E1



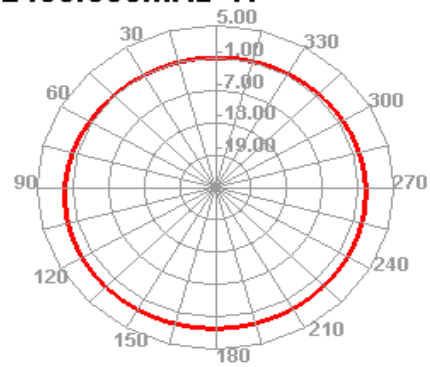
2400.000MHz E2



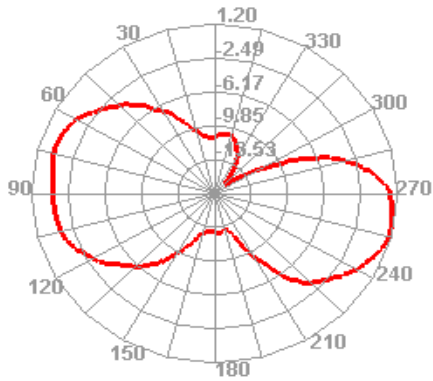
2450.000MHz



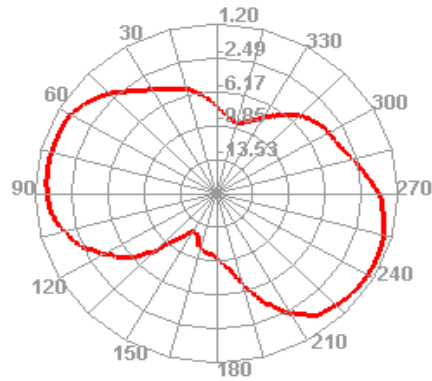
2450.000MHz H



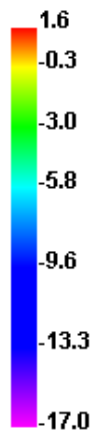
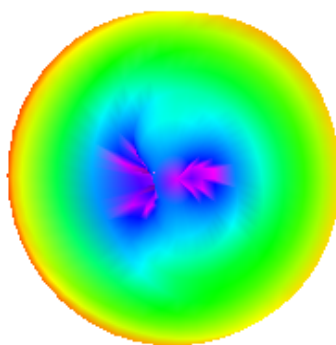
2450.000MHz E1



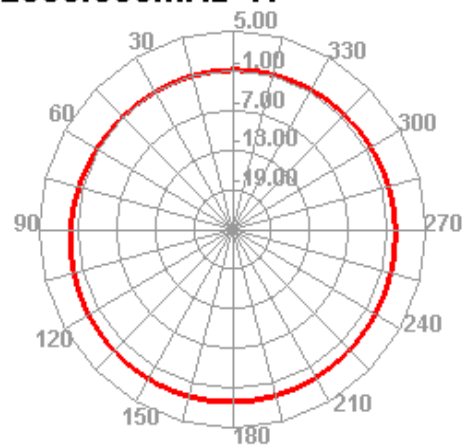
2450.000MHz E2



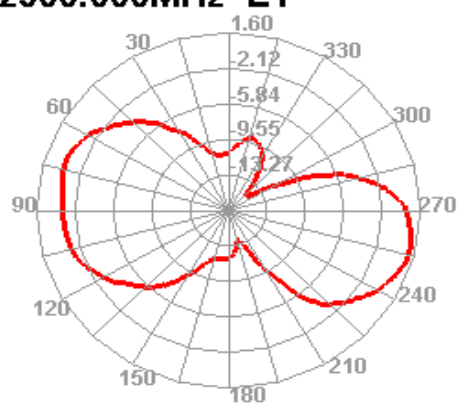
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

