

天线规格书

Antenna Specification

客户 Customer	深圳市联点通信技术有限公司 Shenzhen Liandian Communication Technology Co.LTD
客户编码 Customerspartnumber	
产品料号 ProductMaterialCode	HD. W-96-50-IPEX
工作频段 WorkingBand	2400MHz-2500MHz, 5150MHz-5850MHz
发行日期 IssueDate	2023-2-10
发行版本 ReleaseVersion	A1
作者 Author	邹杨辰 Yangchen Zhou

目录 Catalogue

一、产品参数 Product parameters	2
二、驻波比 Standing-wave ratio	3
三、效率、增益 Efficiency、gain	4-5
四、方向性图 Directivity diagram	6
五、产品图纸 Product drawings	7

一、产品技术指标 Product technical indicators

电性能指标 ElectricalSpecifications	
频率范围 FrequencyRange(MHz)	2400-2500MHz， 5150-5850MHz
输入阻抗 InputImpendence(Ω)	50
频带宽度 Bandwidth(MHz)	100/700
电压驻波比 VSWR	<2
增益 Gain(dBi)	3
极化形式 PolarizationType	线极化 Linear polarization
机械指标 MechanicalSpecifications	
连接器型号 ConnectType	IPEX
工作温度 OperatinTemp(℃)	-40~85
储存温度 StoringTemp(℃)	-40~85
天线颜色 ChassisColor	黑色 Black

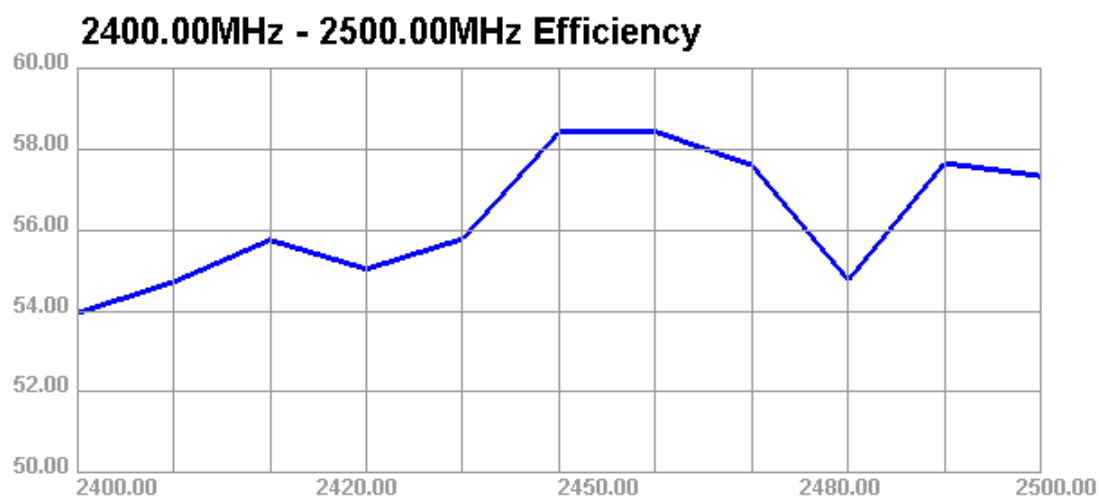
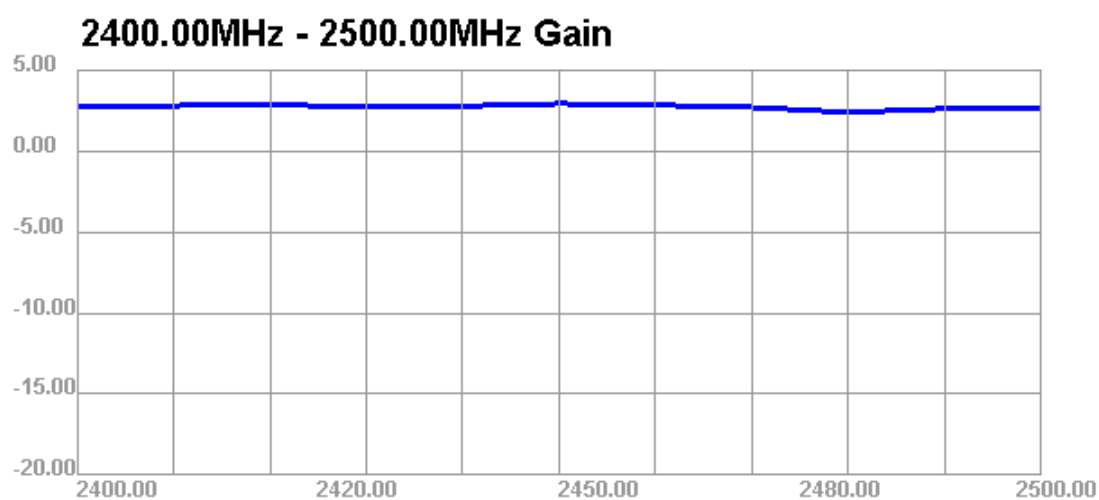
二、驻波比 Standing-wave ratio

Frequency(MHz)	2400	2500	5150	5850
VSWR	1.42	1.22	1.64	1.16



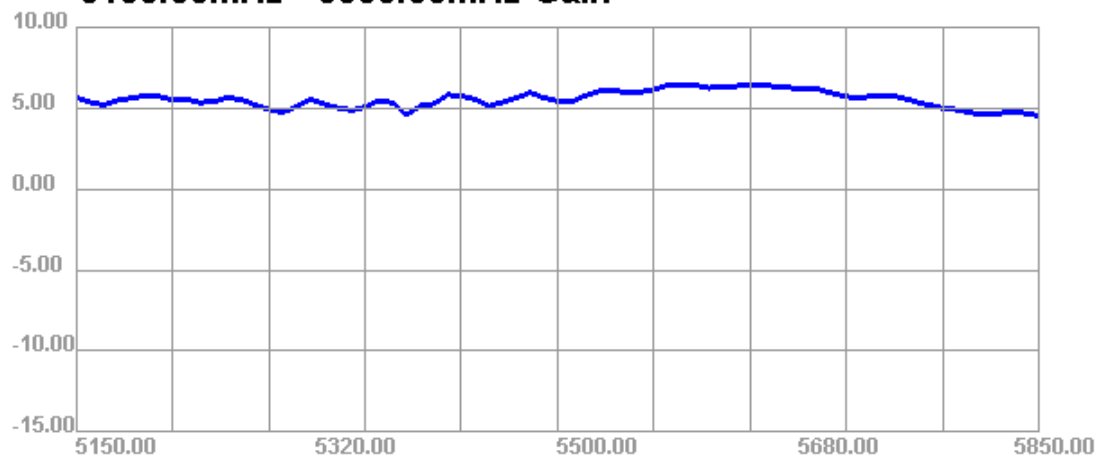
三、效率、增益 Efficiency、Gain

Passive Test For WIFI2.4								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)
2400	62.5	-2.04	3	-1.58	24.494	29.456	2.7	-15.09
2410	59.8	-2.23	3	-1.63	24.822	29.895	2.81	-14.2
2420	60.22	-2.2	3	-1.52	25.135	30.621	2.85	-12.64
2430	62.89	-2.01	3	-1.31	24.555	30.481	2.75	-11.58
2440	67.38	-1.71	3	-1.08	24.579	31.205	2.78	-10.29
2450	68.44	-1.65	3	-1.1	25.492	32.927	2.93	-9.7
2460	66.69	-1.76	3	-1.29	25.154	33.278	2.84	-9.27
2470	64.36	-1.91	3	-1.48	24.574	33.025	2.7	-9.27
2480	63.83	-1.95	3	-1.49	23.201	31.564	2.39	-9.49
2490	63.63	-1.96	3	-1.38	24.474	33.178	2.61	-9.51
2500	65.21	-1.86	3	-1.16	24.444	32.891	2.61	-9.77

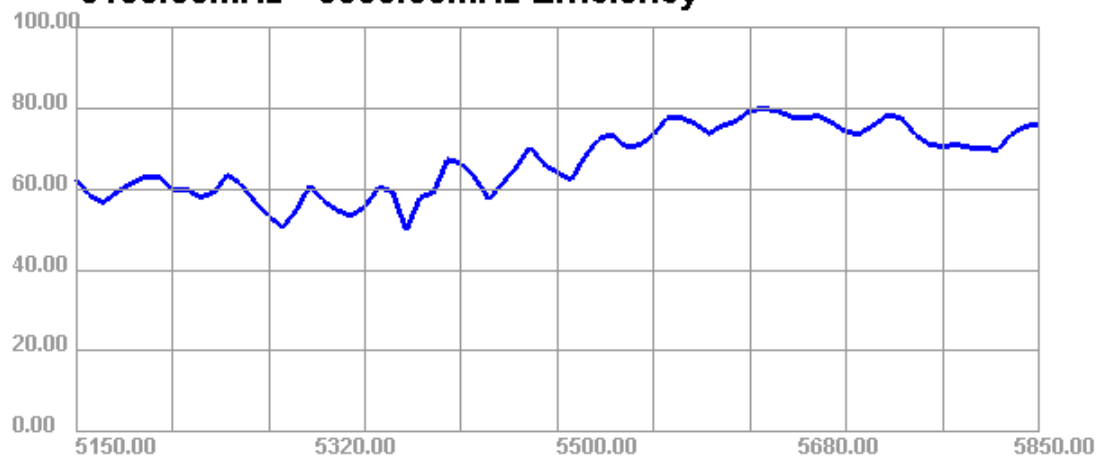


Passive Test For WIFI5G								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)
5150	53.96	-2.68	3	0.49	29.312	32.946	5.64	-29.39
5200	51.9	-2.85	3	-0.26	27.604	30.856	5.37	-32.03
5250	43.65	-3.6	3	-0.89	26.915	29.812	5.2	-29.04
5300	38.54	-4.14	3	-1.87	28.318	31.009	5.46	-24.66
5350	46.67	-3.31	3	-1.02	29.507	31.888	5.63	-23.62
5400	66.42	-1.78	3	0.58	30.365	32.566	5.75	-21.49
5450	69.99	-1.55	3	1.03	30.44	32.547	5.73	-21.39
5500	73.38	-1.34	3	0.97	28.957	30.932	5.51	-21.22
5550	63.37	-1.98	3	0.42	28.967	31.093	5.56	-20.57
5600	60.96	-2.15	3	0.02	27.977	29.98	5.35	-20.9
5650	62.11	-2.07	3	-0.43	28.565	30.503	5.39	-21.87
5700	68.84	-1.62	3	0.32	30.836	32.686	5.68	-20.99
5750	74.18	-1.3	3	0.76	29.861	31.388	5.51	-21.01
5800	74.54	-1.28	3	0.5	27.834	29.064	5.21	-20.05
5850	78.77	-1.04	3	1.59	26.171	27.319	4.9	-19.3

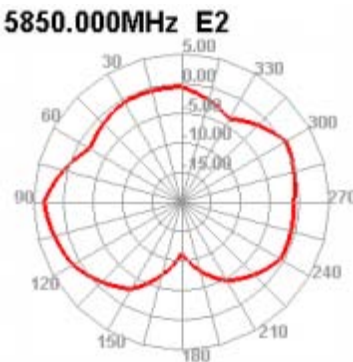
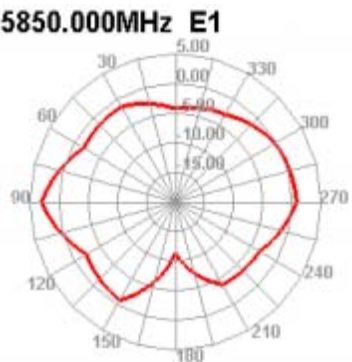
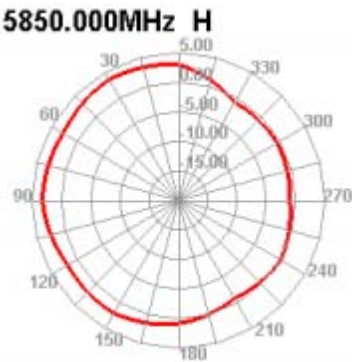
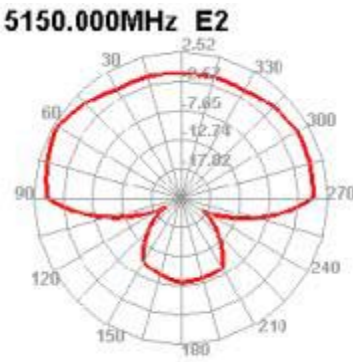
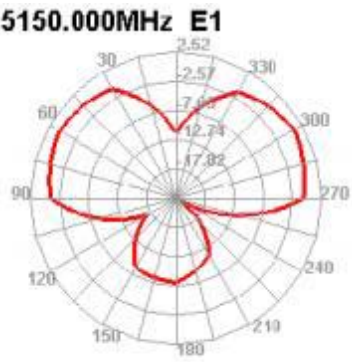
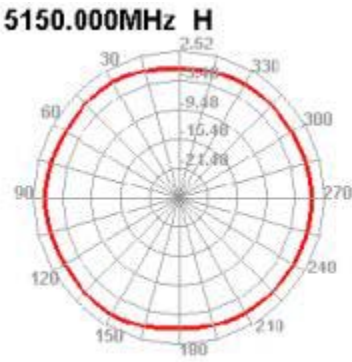
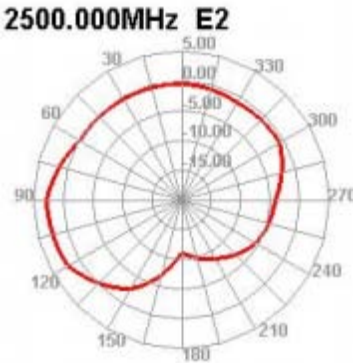
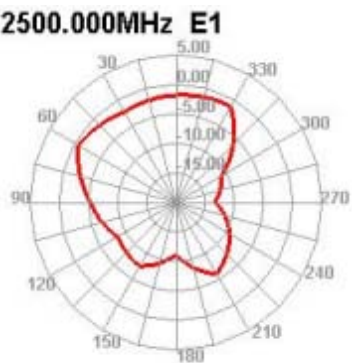
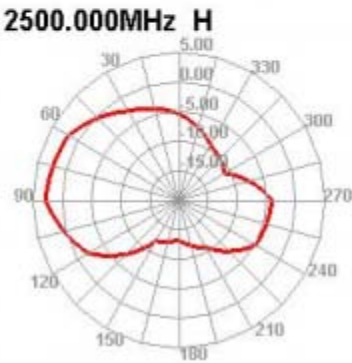
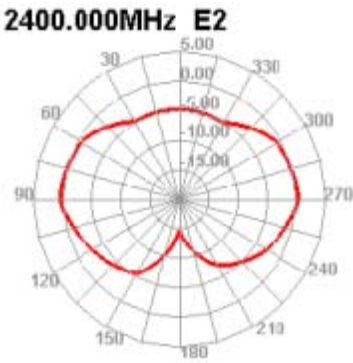
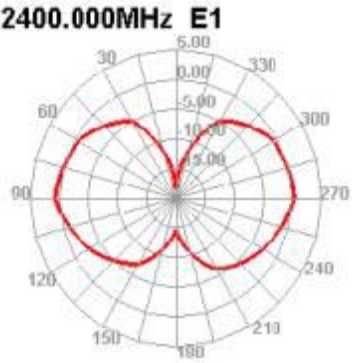
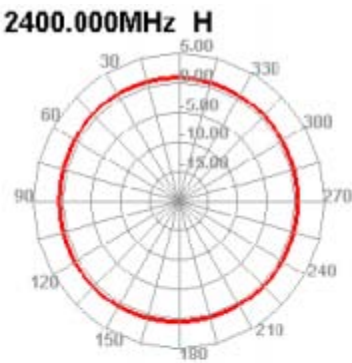
5150.00MHz - 5850.00MHz Gain



5150.00MHz - 5850.00MHz Efficiency



四、方向性图(Directivity Diagram)



五、产品图纸(Product drawing)

