

红点信息科技（深圳）有限公司

RED DOT INFORMATION TECHNOLOGY SHE NIZ ENCO, LTD

产品规格书

PRODUCT SPECIFICATION

客户 cus toer	
客户编码 customers part number	
产品料号 product Materialcode	
工作频段 working Band	2400MHz-2500MHz
发行日期 Ls sue Date	2026-03-16
发行版本 Releaeversion	A1
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目录

封面.....	1
目录.....	2
产品参数	3
驻波比	4
效率/增益	5
方向性图	6
产品图纸	7

一、产品技术指标 (Product technical indicators)

电性能指标 Electrical Specifications	
频率范围 Frequency Range (MHz)	2400-2500
输入阻抗 Input Impedence (Ω)	50
频带宽度 Bandwidth (MHz)	100
电压驻波比 VSWR	<2
增益 Gain (dBi)	2.4G:2.83DBI
极化形式 Polarization Type	线极化
机械指标 Mechanical Specifications	
连接器型号 Connect Type	焊接
天线颜色 Chassis Color	黑色
电缆 Cable	RF Φ0.81线长40mm
工作温度 Operatin Temp (°C)	-40~85
储存温度 Storing Temp (°C)	-40~85

二、驻波比(VSWR)

Frequency(MHz)	2400	2500	
VSWR	1.58	1.71	

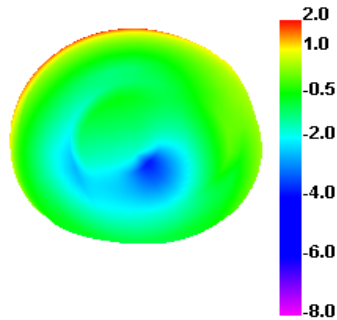


三、效率/增益 (Efficiency/Gain)

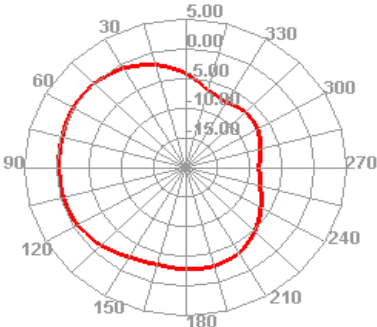
Passive Test For WiFi2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	52.73	-2.78	2.02	-0.13	21.046	31.682	2.02	-19.31	4.8	75	45.82	46.01
2410	57.57	-2.4	2.25	0.1	22.759	34.81	2.25	-18.33	4.65	75	45.87	46.24
2420	55.07	-2.59	1.92	-0.23	21.596	33.478	1.92	-17.17	4.51	75	45.73	46.1
2430	57.19	-2.43	1.98	-0.17	22.261	34.934	1.98	-15.77	4.41	75	45.66	45.99
2440	58.93	-2.3	2.04	-0.11	22.695	36.24	2.04	-14.43	4.34	75	45.84	46.29
2450	62.2	-2.06	2.25	0.1	23.652	38.547	2.25	-13.83	4.31	75	46.01	46.42
2460	63.8	-1.95	2.32	0.17	23.972	39.833	2.32	-13.75	4.27	75	46.02	46.64
2470	66.63	-1.76	2.46	0.31	24.891	41.739	2.46	-13.73	4.22	60	46.14	46.65
2480	70.31	-1.53	2.6	0.45	26.354	43.956	2.6	-13.57	4.13	60	46.47	47.13
2490	75.78	-1.2	2.83	0.68	28.54	47.238	2.83	-13.28	4.04	60	46.95	47.32
2500	70.1	-1.54	2.41	0.26	26.324	43.778	2.41	-13.3	3.95	60	46.86	47.55

四、方向性图(Directivity diagram)

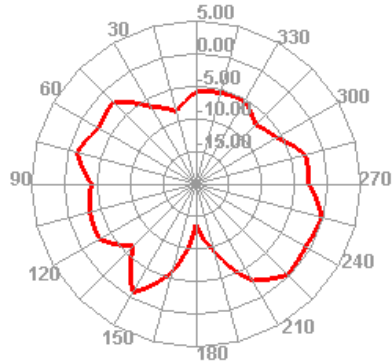
2400.000MHz



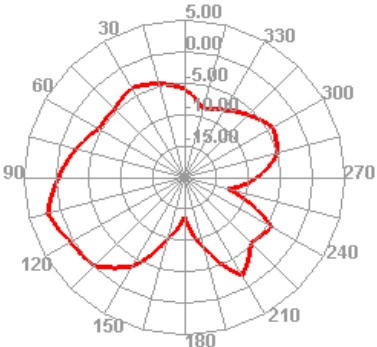
2400.000MHz H



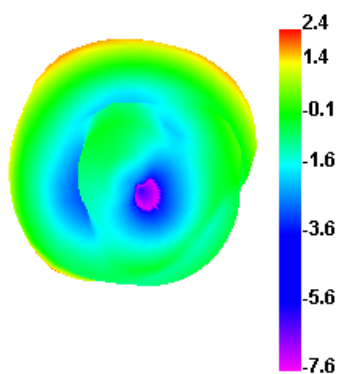
2400.000MHz E1



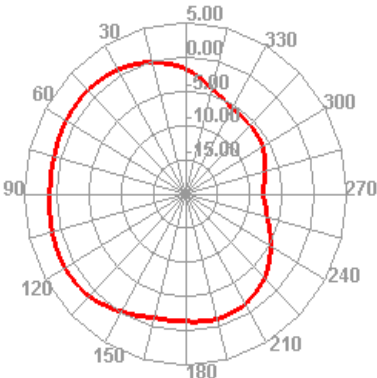
2400.000MHz E2



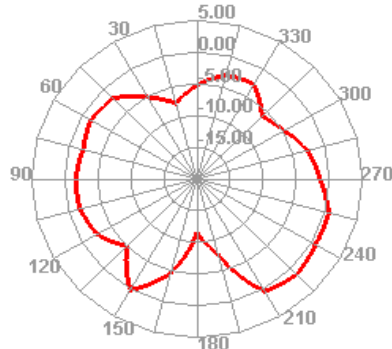
2500.000MHz



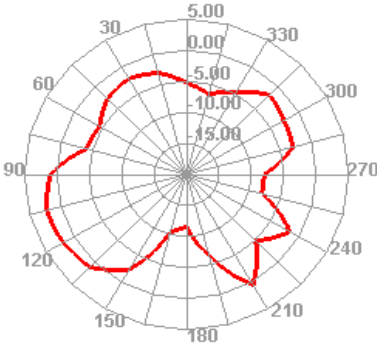
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



五、产品图纸 (Product drawing)

