

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 customer	
客户编码 customer part number	
产品料号 product Materialcode	
工作频段 working Band	2400MHz-2500MHz
发行日期 Issue Date	2024-06-25
发行版本 Releaseversion	A5
作者 Author	邹杨辰

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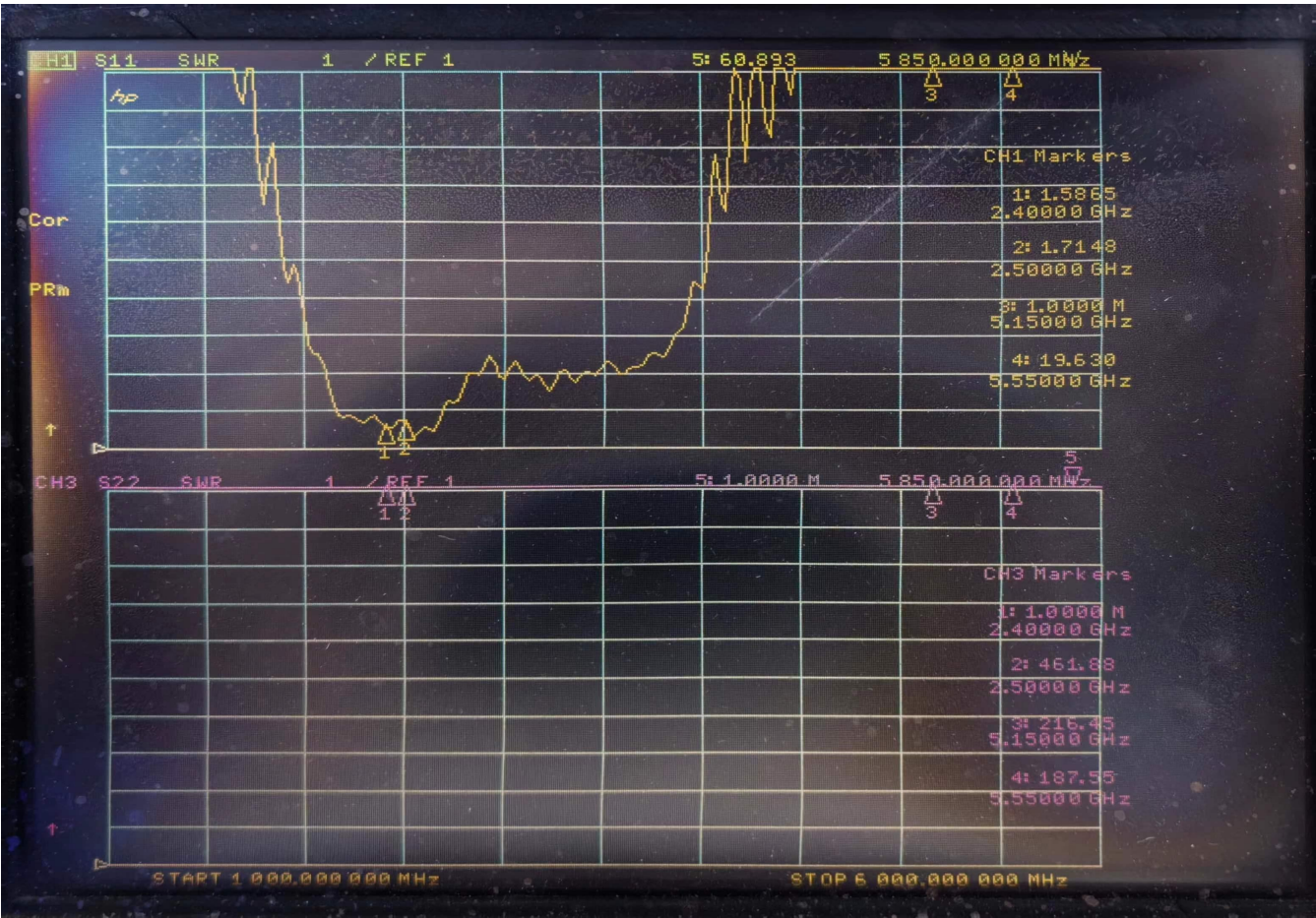
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一、产品技术指标 (Product technical indicators)

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:1.32DBI
极化形式 Polarization Type	线极化
机械指标 Mechanical Specifications	
工作温度 OperatinTemp (°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	

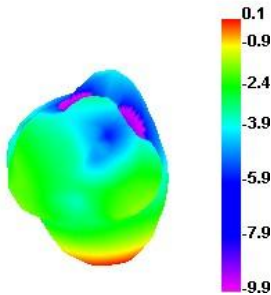


三、效率/增益 (Efficiency/Gain)

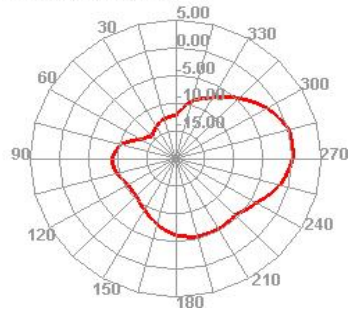
Passive Test For WiFi2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	22.6	-6.46	0.15	-2	11.509	11.089	0.15	-17.61	6.61	30	45.82	46.01
2410	24.1	-6.18	0.52	-1.63	12.362	11.735	0.52	-16.91	6.7	30	45.87	46.24
2420	23.13	-6.36	0.5	-1.65	12.129	11.004	0.5	-18.06	6.86	30	45.73	46.1
2430	23.51	-6.29	0.64	-1.51	12.799	10.709	0.64	-19.27	6.92	30	45.66	45.99
2440	24.63	-6.09	0.8	-1.35	13.763	10.866	0.8	-18.53	6.88	30	45.84	46.29
2450	26.05	-5.84	1	-1.15	14.788	11.267	1	-18.46	6.84	30	46.01	46.42
2460	26.49	-5.77	1.01	-1.14	15.27	11.22	1.01	-19.18	6.78	60	46.02	46.64
2470	26.91	-5.7	1.06	-1.09	15.79	11.118	1.06	-20.24	6.76	60	46.14	46.65
2480	27.28	-5.64	1.11	-1.04	16.315	10.964	1.11	-21.02	6.75	45	46.47	47.13
2490	28.78	-5.41	1.32	-0.83	17.532	11.252	1.32	-20.61	6.73	45	46.95	47.32
2500	26.04	-5.84	0.98	-1.17	16.184	9.856	0.98	-21.77	6.83	45	46.86	47.55

四、方向性图(Directivity diagram)

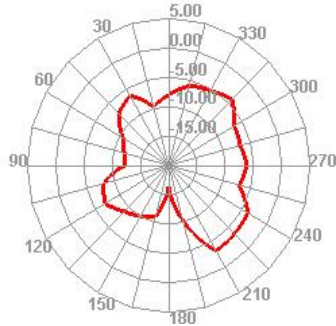
2400.000MHz



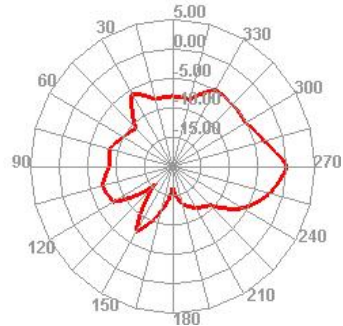
2400.000MHz H



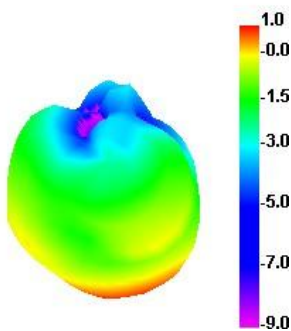
2400.000MHz E1



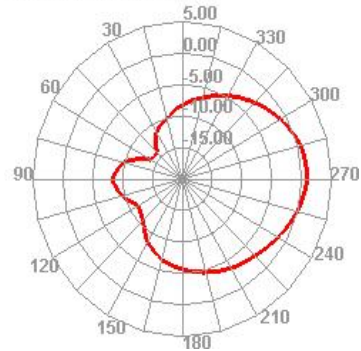
2400.000MHz E2



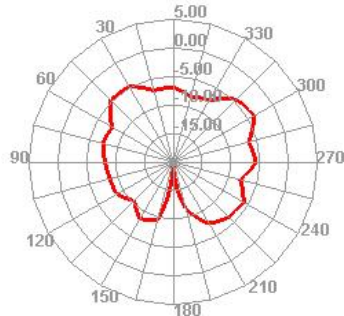
2500.000MHz



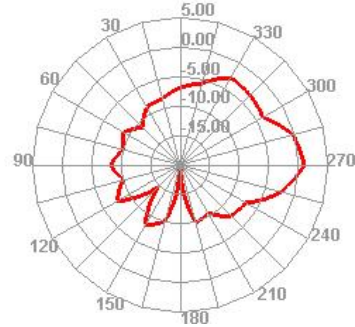
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



五、产品图纸 (Product drawing)

