

红点信息科技（深圳）有限公司

REDDOTINFORMATIONTECHNOIOGYSHENIZHENCO, LTD

产品规格书

PRODUCT SPECIFICATION

客户 Custoer	
客户编码 Customers part number	
产品料号 Product Materalcode	HD. F-40-7. 5-100-IPEX
工作频段 WorkingBand	2400MHz-2500MHz
发行日期 LssueDate	2024-06-27
发行版本 Releae version	A11
作者 Author	邹杨辰

目录

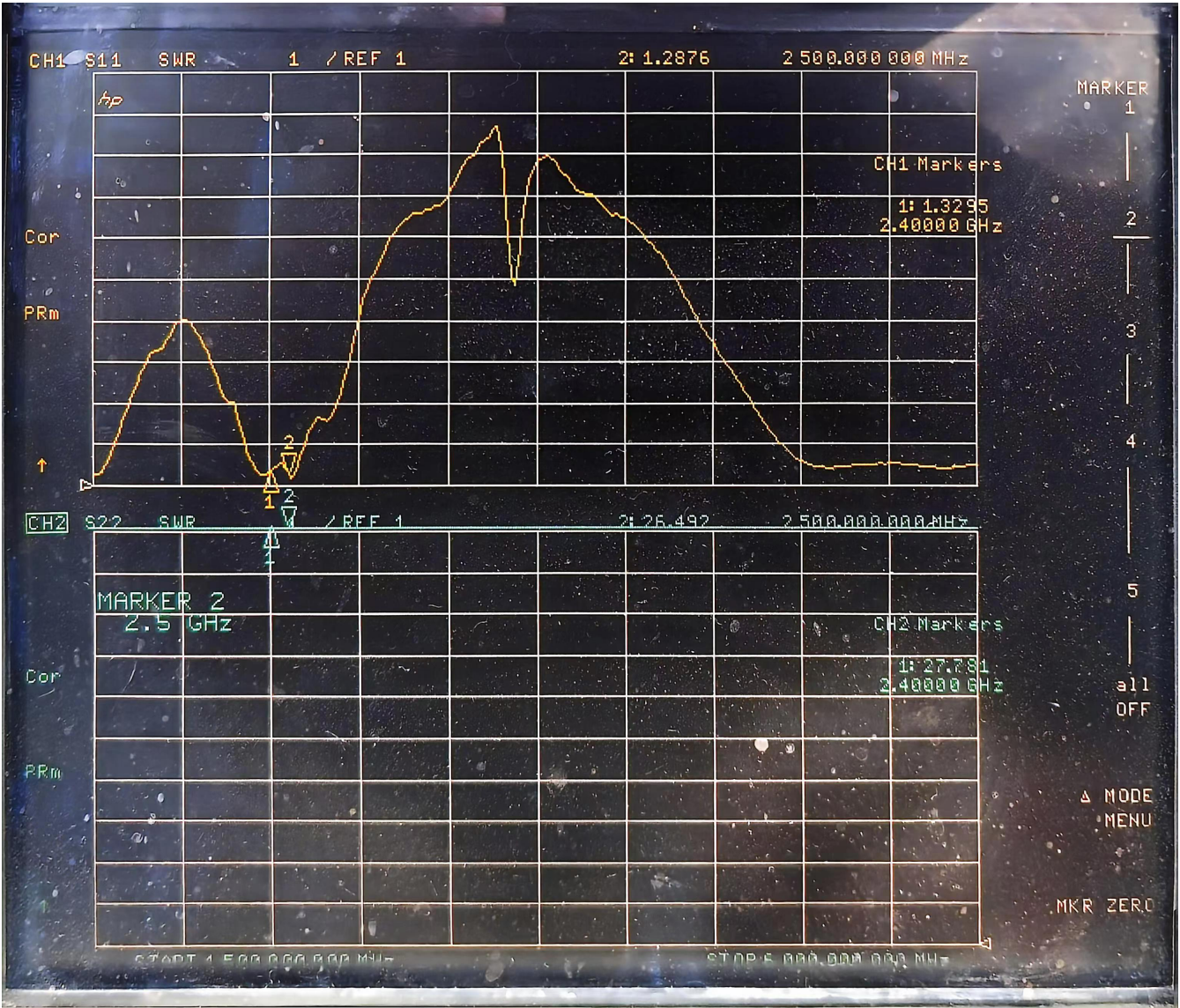
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一、产品技术指标 (Product technical indicators)

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:3.11dbi
极化形式 Polarization Type	线极化
机械指标 Mechanical Specifications	
连接器型号 Connect Type	IPEX
工作温度 OperatinTemp (°C)	-40~85
储存温度 Storing Temp (°C)	-40~85
天线颜色 Chassis Color	黑色
电缆 Cable	RF Φ1.13 线长100mm

二、驻波比(VSWR)

Frequency(MHz)	2400	2500	
VSWR	1.32	1.28	

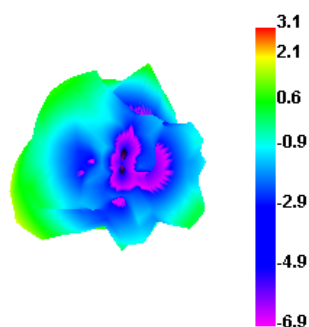


三、效率/增益 (Efficiency/Gain)

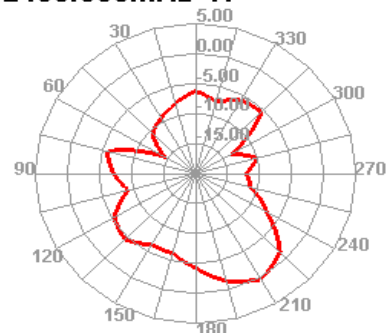
Passive Test For WiFi2.4											
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivit (dBi)	AttH (dB)	AttV (dB)
2400	42.73	-4.85	3.11	0.96	20.035	22.695	3.11	-20.7	7.96	45.82	46.01
2410	40.15	-5.21	2.72	0.57	19.67	20.481	2.72	-21.49	7.93	45.87	46.24
2420	39.78	-5.26	2.53	0.38	19.903	19.878	2.53	-21.1	7.79	45.73	46.1
2430	39.72	-5.13	2.58	0.43	19.445	20.279	2.58	-21.96	7.71	45.66	45.99
2440	39.29	-5.33	2.38	0.23	19.152	20.134	2.38	-22.49	7.71	45.84	46.29
2450	38.19	-5.5	2.27	0.12	19.982	18.212	2.27	-26.3	7.77	46.01	46.42
2460	36.8	-5.72	2.08	-0.07	19.708	17.091	2.08	-25.42	7.8	46.02	46.64
2470	36.48	-5.77	2.06	-0.09	19.806	16.675	2.06	-21	7.83	46.14	46.65
2480	38.49	-5.45	2.38	0.23	20.743	17.743	2.38	-18.65	7.83	46.47	47.13
2490	38.05	-5.52	2.25	0.1	20.698	17.351	2.25	-18.57	7.77	46.95	47.32
2500	38.99	-6.2	1.49	-0.66	19.21	19.779	1.49	-19.6	7.69	46.86	47.55

四、方向性图(Directivity diagram)

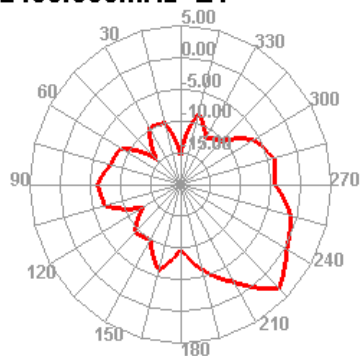
2400.000MHz



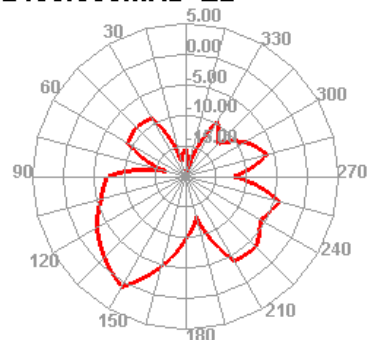
2400.000MHz H



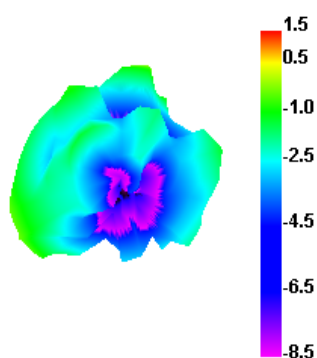
2400.000MHz E1



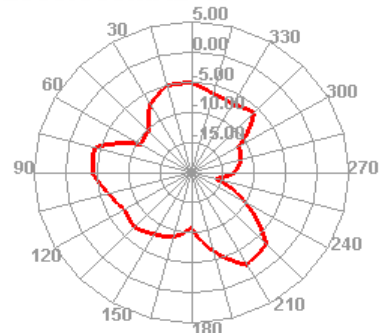
2400.000MHz E2



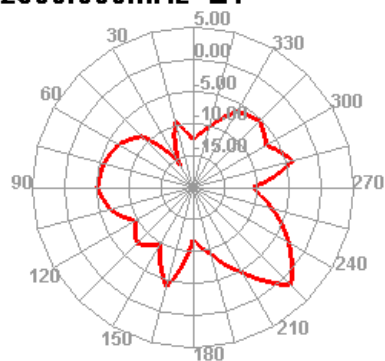
2500.000MHz



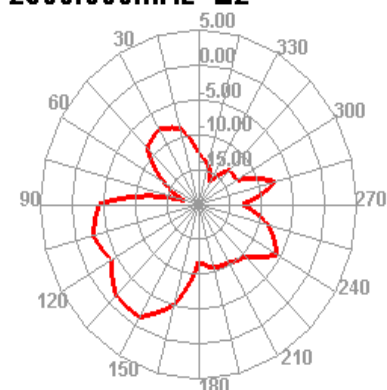
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



五、产品图纸 (Product drawing)

