

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 Maternalcode	HD. F-40-7. 5-100-IPEX
工作频段 WorkingBand	2400MHz-2500MHz
发行日期 LssueDate	2023-11-18
发行版本 Releae version	A1
作者 Author	邹杨辰

Manufacturer: Shenzhen Star Times Technology Electronics Co.,Ltd.

Address: 3 / F, Building A, Xinxiong Industrial Zone, Gushu 1st Road, Xixiang Street, Baoan District, Shenzhen

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:4DBI
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	
电缆 Cable	

产品 (Product drawing)



二、驻波比(VSWR)

Frequency(MHz)	2400	2450	2500
VSWR	1.45	1.19	1.26

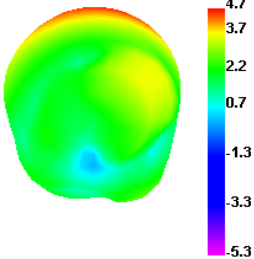


三、效率/增益 (Efficiency/Gain)

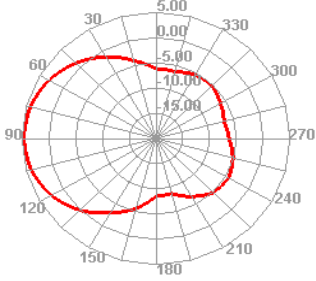
Passive Test For WiFi2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	42.94	-3.67	4.68	2.53	25.325	17.61	4.68	-31.25	8.35	30	45.82	46.01
2410	43.29	-3.64	4.65	2.5	25.647	17.643	4.65	-26.64	8.29	30	45.87	46.24
2420	43.65	-3.6	4.64	2.49	25.865	17.787	4.64	-24.1	8.24	30	45.73	46.1
2430	43.37	-3.63	4.53	2.38	25.708	17.661	4.53	-22.65	8.16	30	45.66	45.99
2440	43.99	-3.57	4.51	2.36	26.089	17.897	4.51	-22.17	8.07	30	45.84	46.29
2450	45.02	-3.47	4.52	2.37	26.729	18.291	4.52	-22.43	7.99	30	46.01	46.42
2460	44.57	-3.51	4.39	2.24	26.497	18.071	4.39	-22.55	7.9	30	46.02	46.64
2470	43.31	-3.63	4.15	2	25.73	17.583	4.15	-21.78	7.78	45	46.14	46.65
2480	42.52	-3.71	3.94	1.79	25.185	17.331	3.94	-20.02	7.66	45	46.47	47.13
2490	44.26	-3.54	3.91	1.76	26.14	18.121	3.91	-18.79	7.45	45	46.95	47.32
2500	42.15	-3.75	3.48	1.33	24.857	17.297	3.48	-18.66	7.23	45	46.86	47.55

四、方向性图(Directivity diagram)

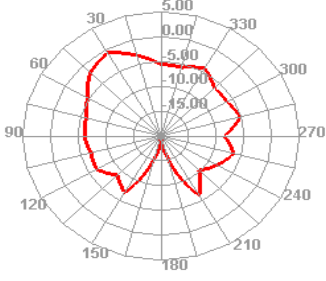
2400.000MHz



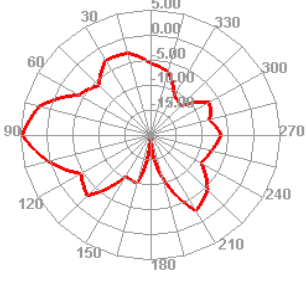
2400.000MHz H



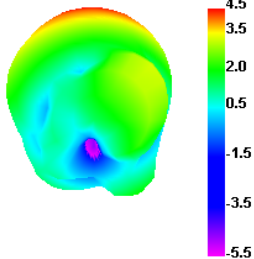
2400.000MHz E1



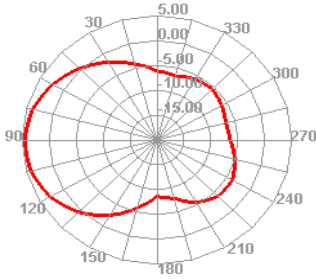
2400.000MHz E2



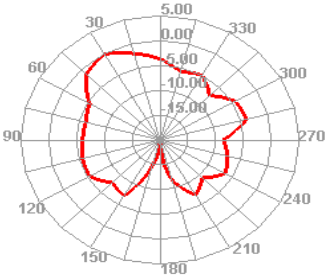
2450.000MHz



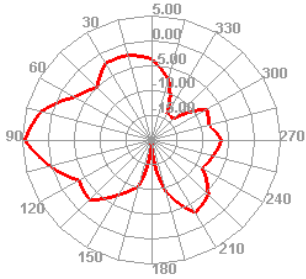
2450.000MHz H



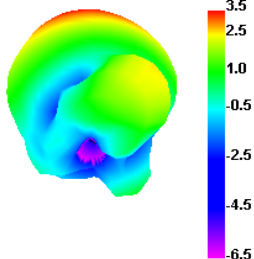
2450.000MHz E1



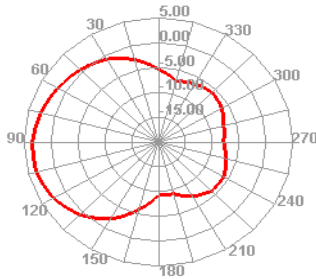
2450.000MHz E2



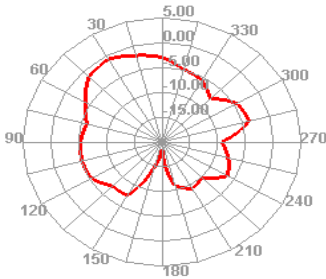
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

