

产品规格书

PRODUCTSPECIFICATION

产品料号 product Materialcode	HD. F-40-7. 5-150-IPEX
工作频段 workingBand	2400MHZ-2500MHZ/5150MHZ-5850MHZ
发行日期 LssueDate	2024-12-25
发行版本 Releaeversion	A3

Directory

Cover.....	1
Directory.....	2
Product technical indicators	3
Vswr.....	4
Efficiency/Gain	5
Directivity diagram.....	6–7
Product drawing.....	8
Physical display.....	9

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

电性能指标 Electrical Specifications	
频率范围 Frequency Range (MHz)	2400-2500/5150-5850
输入阻抗 Input Impedence (Ω)	50
频带宽度 Bandwidth (MHz)	100/700
电压驻波比 VSWR	<2
Max Gain (dBi)	2.4G:3.57dBi 5G:6.02dBi
极化形式 Polarization Type	linear polarization
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	black

二、驻波比(VSWR)

Frequency(MHz)	2400/5150	2500/5550	5850
VSWR	1.66/1.38	1.46/1.49	1.62



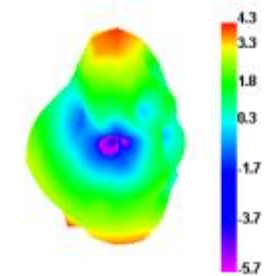
三、效率/增益 (Efficiency/Gain)

Passive Test For WiFi5.8												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	62.41	-2.05	4.29	2.14	36.729	25.681	4.29	-18.9	6.34	15	54.81	54.47
5200	64.05	-1.93	4.42	2.27	38.332	25.719	4.42	-20.42	6.36	15	55.16	54.79
5300	67.99	-1.68	5.05	2.9	39.344	28.646	5.05	-19.86	6.72	45	55.21	54.59
5400	66.27	-1.79	5.45	3.3	36.74	29.531	5.45	-22.26	7.24	15	55.91	54.94
5500	62.29	-2.06	6.02	3.87	34.109	28.179	6.02	-21.58	8.08	30	56.73	55.14
5600	61.11	-2.14	5.7	3.55	33.208	27.901	5.7	-26.91	7.84	15	57.64	56.07
5700	64.23	-1.92	5.31	3.16	35.828	28.402	5.31	-17.8	7.23	0	57.02	56.05
5800	62.42	-2.05	5.49	3.34	34.396	28.024	5.49	-21.61	7.54	0	57.39	56.35
5850	62.95	-2.01	5.27	3.12	34.698	28.248	5.27	-23.51	7.28	0	57.78	56.58

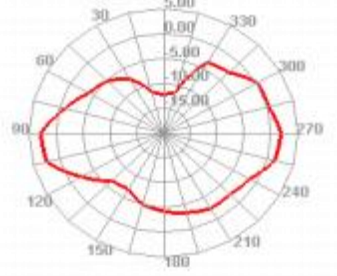
Passive Test For WiFi2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	59.47	-2.26	3.16	1.01	47.043	12.429	3.16	-22.13	5.42	75	45.82	46.01
2410	59.3	-2.27	3.1	0.95	47.37	11.928	3.1	-22.94	5.37	75	45.87	46.24
2420	60.96	-2.15	3.2	1.05	48.96	12.003	3.2	-22.06	5.35	90	45.73	46.1
2430	58.01	-2.37	2.93	0.78	46.549	11.46	2.93	-21.15	5.3	90	45.66	45.99
2440	60.74	-2.17	3.13	0.98	48.446	12.294	3.13	-19.99	5.29	75	45.84	46.29
2450	63.15	-2	3.34	1.19	49.948	13.206	3.34	-18.8	5.34	75	46.01	46.42
2460	62.78	-2.02	3.35	1.2	49.271	13.505	3.35	-19.37	5.37	60	46.02	46.64
2470	59.35	-2.27	3.08	0.93	46.402	12.943	3.08	-20.32	5.34	45	46.14	46.65
2480	59.18	-2.28	3.01	0.86	46.322	12.858	3.01	-19.64	5.29	45	46.47	47.13
2490	60.87	-2.16	3.18	1.03	47.808	13.057	3.18	-20.23	5.33	45	46.95	47.32
2500	67.32	-1.72	3.57	1.42	53.024	14.296	3.57	-21.69	5.29	45	46.86	47.55

四、方向性图(Directivitydiagram)

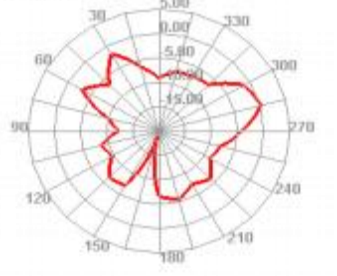
5150.000MHz



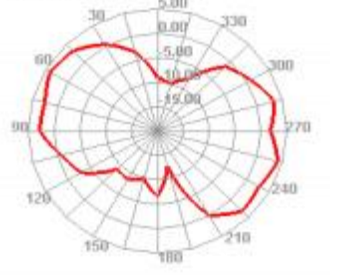
5150.000MHz H



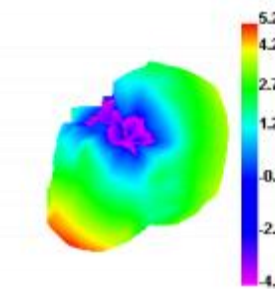
5150.000MHz E1



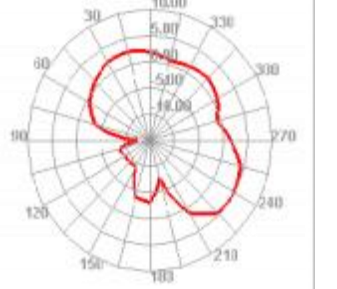
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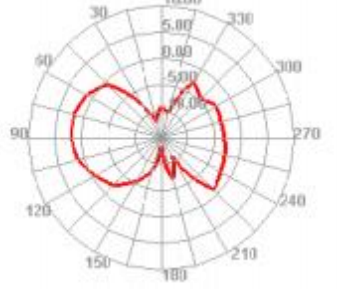
5500.000MHz



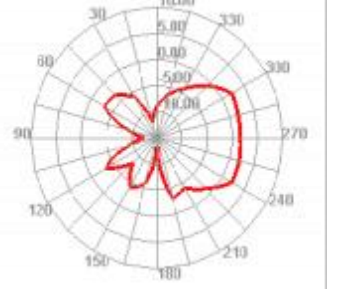
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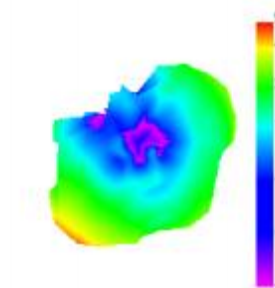
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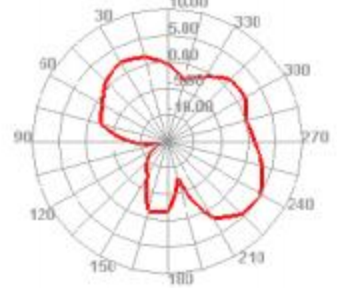
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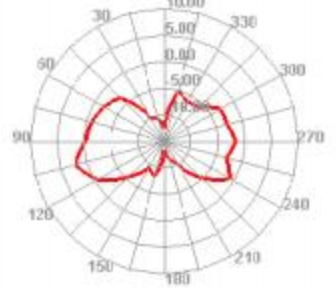
5850.000MHz



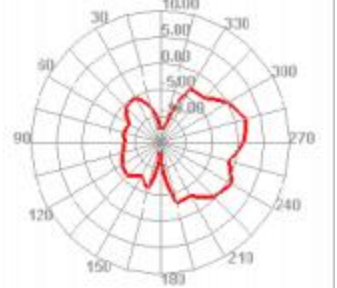
5850.000MHz H



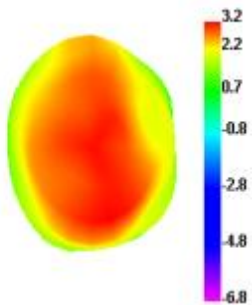
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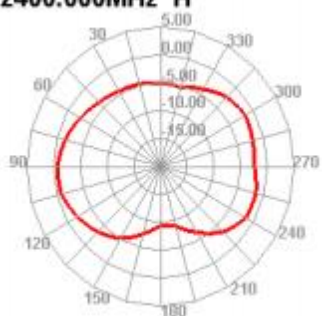
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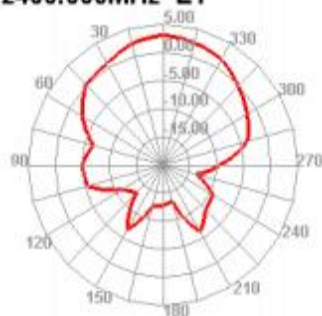
2400.000MHz



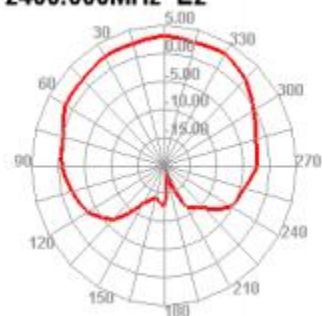
2400.000MHz H



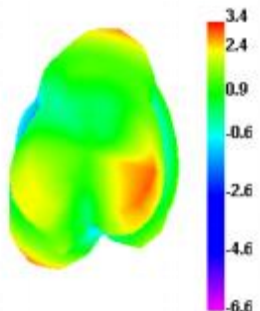
2400.000MHz E1



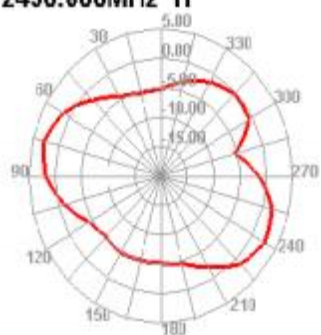
2400.000MHz E2



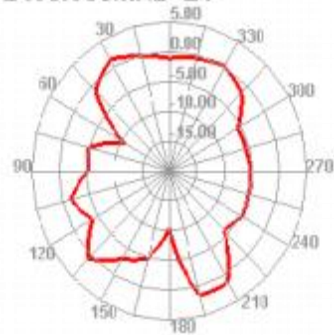
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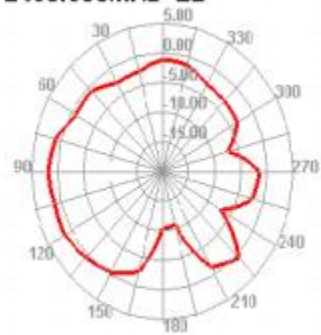
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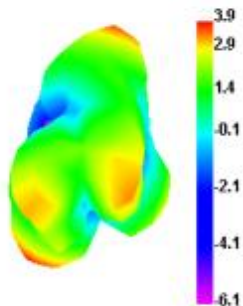
2450.000MHz E1



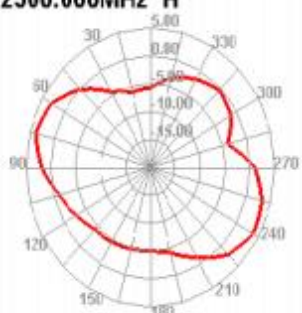
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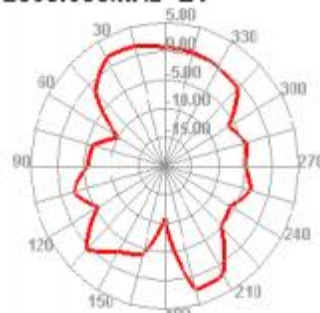
2500.000MHz



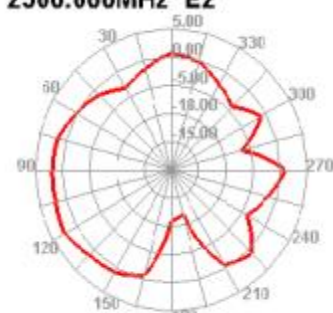
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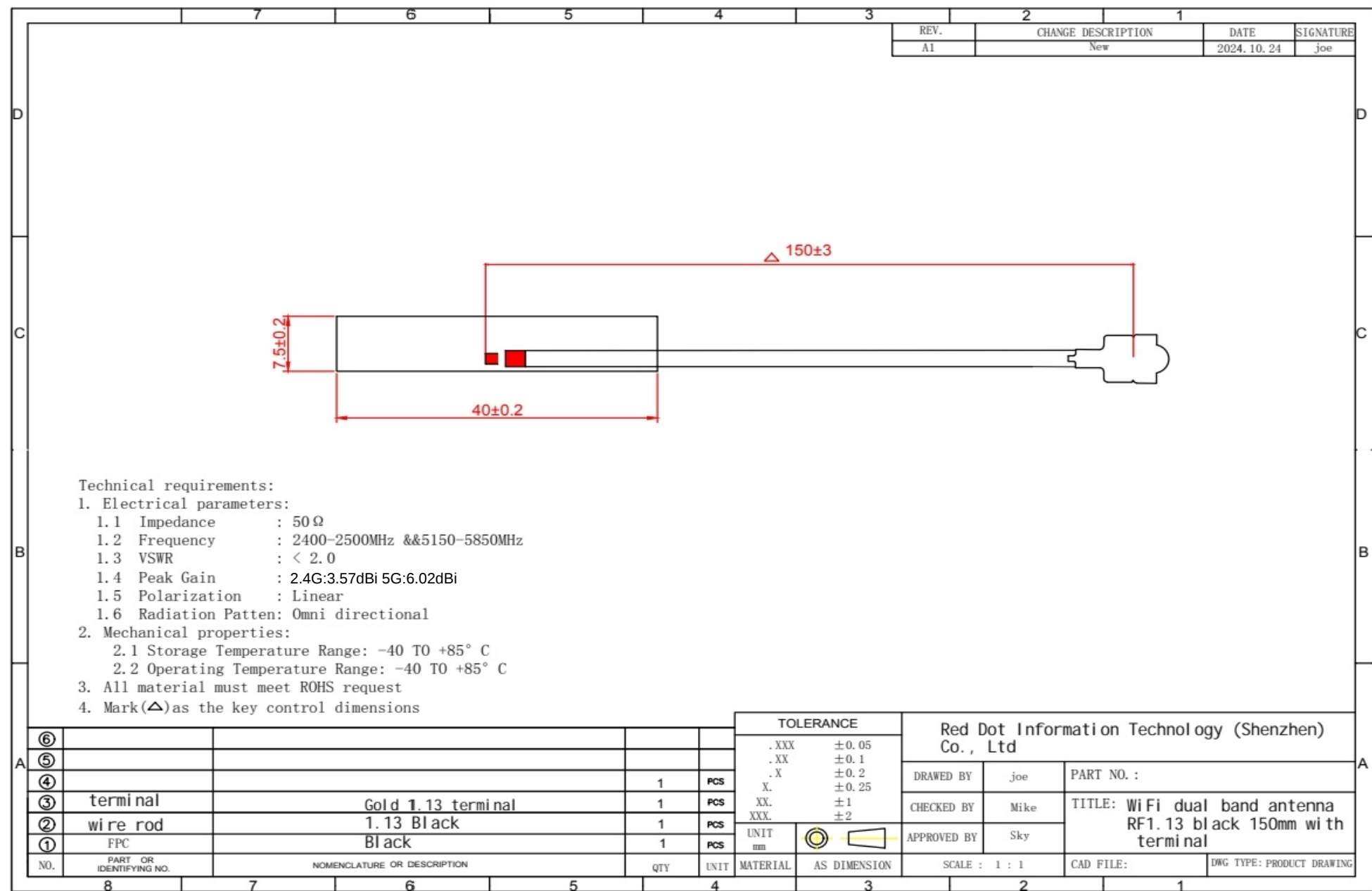
2500.000MHz E1



2500.000MHz E2



五、产品图纸 (Product drawing)



六、实物展示 (Physicaldisplay)

