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PRODUCT SPECIFICATION

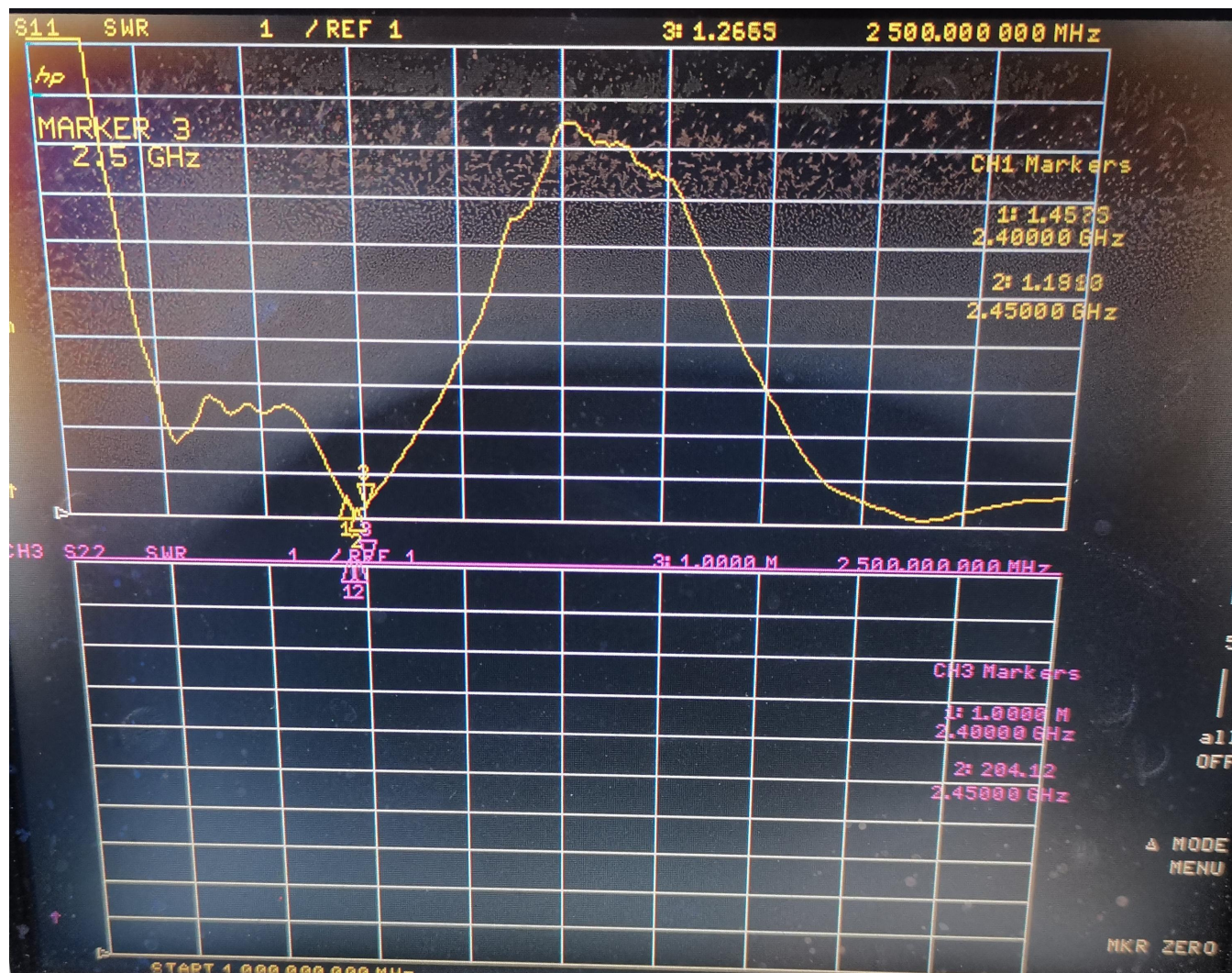
Antenna Type	FPC Antenna
Antenna Gain	3.52dBi
Product Materalcode	HD.F-43-5.2-40-H
WorkingBand	2400MHz-2500MHz
LssueDate	2026-07-01
Releae version	A1
Author	Yangchen Zhou

一, Product technical indicators

Electrical Specifications	
Frequency Range (MHz)	2400-2500
Input Impedence(Ω)	50
Bandwidth (MHz)	100
VSWR	<2
Gain (dBi)	2.4G:3.52DBI
Polarization Type	Linear Polarization
Mechanical Specifications	
Connect Type	Soldering
OperatinTemp (°C)	-40~85
Storing Temp (°C)	-40~85
Chassis Color	Black
Cable	RFΦ0.81length:40mm

二, VSWR

Frequency(MHz)	2400	2500	
VSWR	1.45	1.26	

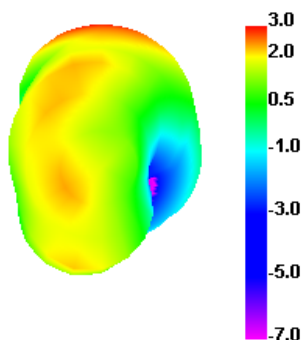


三, Efficiency/Gain

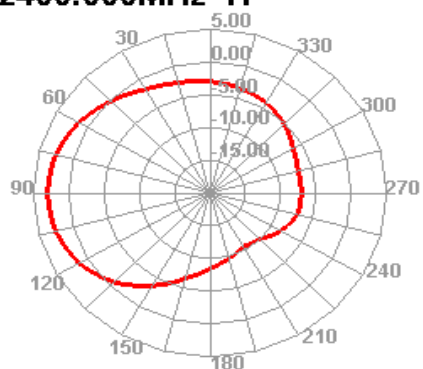
Passive Test For WiFi2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	61.47	-2.11	2.98	0.83	37.204	24.264	2.98	-14.87	5.1	60	45.82	46.01
2410	65.71	-1.82	3.17	1.02	39.935	25.772	3.17	-14.75	4.99	60	45.87	46.24
2420	65.93	-1.81	3.07	0.92	40.266	25.664	3.07	-14.8	4.88	60	45.73	46.1
2430	63.04	-2	2.79	0.64	38.6	24.437	2.79	-15.34	4.79	60	45.66	45.99
2440	65.68	-1.83	2.91	0.76	40.171	25.511	2.91	-15.07	4.73	60	45.84	46.29
2450	68.39	-1.65	3.09	0.94	41.6	26.791	3.09	-14.63	4.74	60	46.01	46.42
2460	68.55	-1.64	3.19	1.04	41.375	27.174	3.19	-14.06	4.83	60	46.02	46.64
2470	66.58	-1.77	3.15	1	39.99	26.591	3.15	-13.34	4.92	60	46.14	46.65
2480	66.72	-1.76	3.19	1.04	40.132	26.586	3.19	-13.04	4.95	60	46.47	47.13
2490	70.9	-1.49	3.4	1.25	42.963	27.941	3.4	-12.46	4.89	60	46.95	47.32
2500	73.7	-1.33	3.52	1.37	45.047	28.648	3.52	-12.58	4.84	60	46.86	47.55

四: Directivity diagram

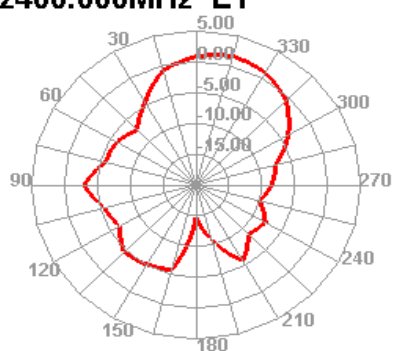
2400.000MHz



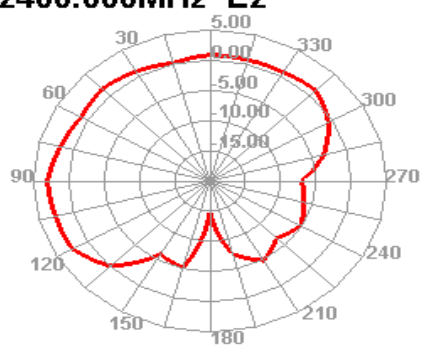
2400.000MHz H



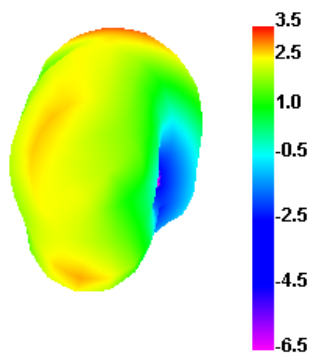
2400.000MHz E1



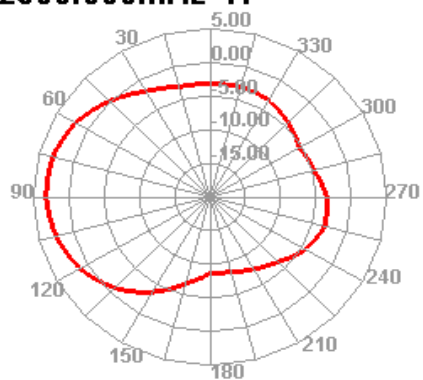
2400.000MHz E2



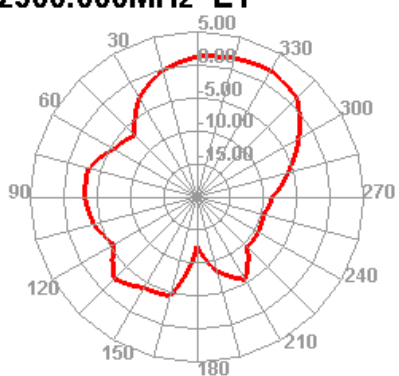
2500.000MHz



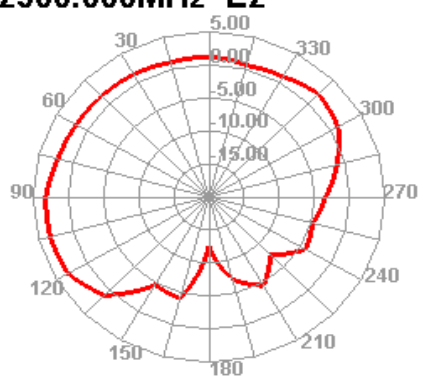
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



五, Product drawing

