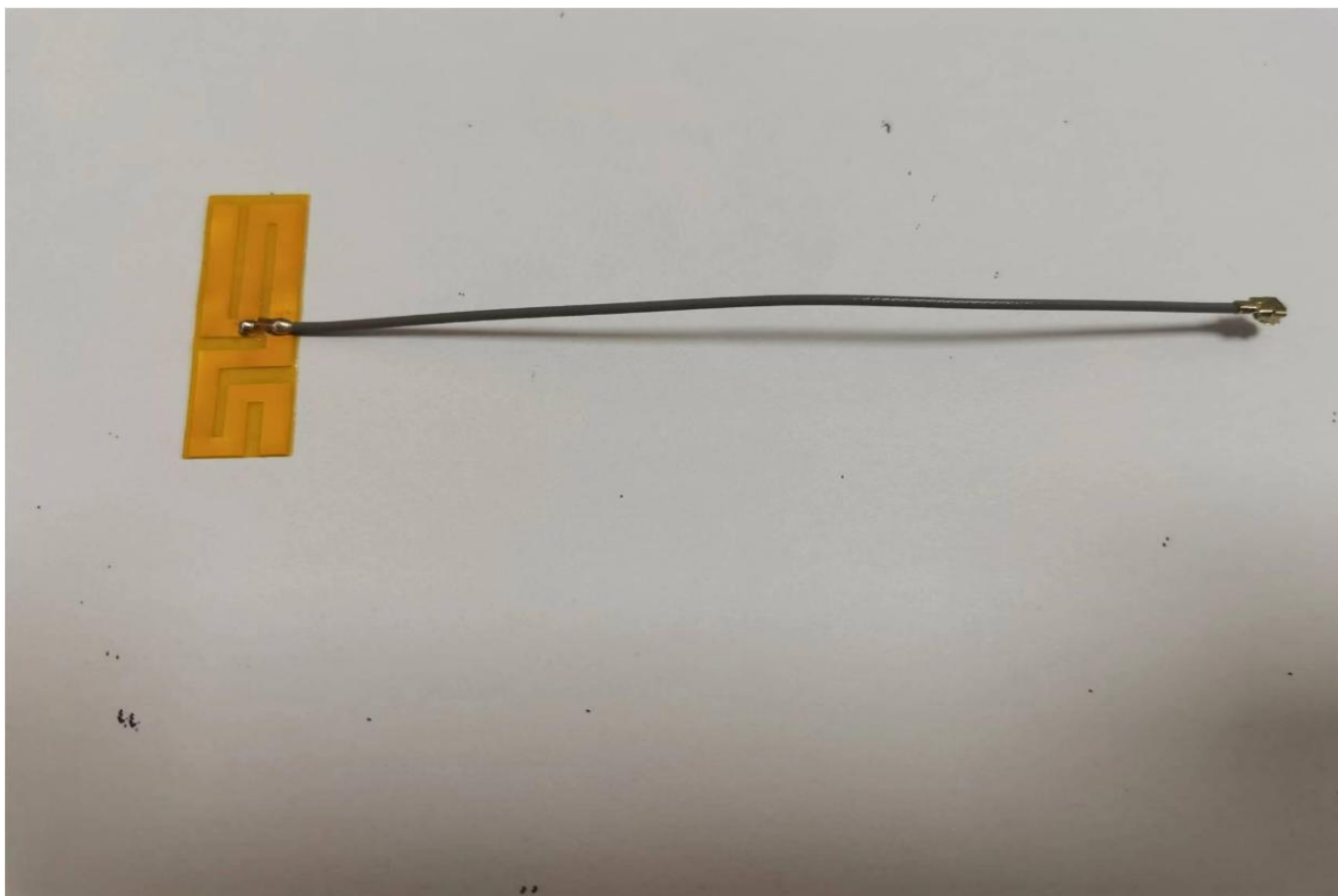


			DOCUMENT NO
Specification For Approval			
Customer:			
Supplier	Dongguan Zhongyida Electronic Technology Co., LTD		
Customer Part Number:		Supplier Part Number	3007- 2. 4- 5. 8G- 0016
Product Description:	F006- Built-in flexible plate antenna 1.13 wire L=50MM	Suitable Model	
Supplier Acknowledgement (Seal)		Customer Acknowledgement (Seal)	
Produced by: Zhou Jingfeng	Structure: Zhou Jingfeng		
Review:	Date: 2025.02.13		

Catalog

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I. Product Picture



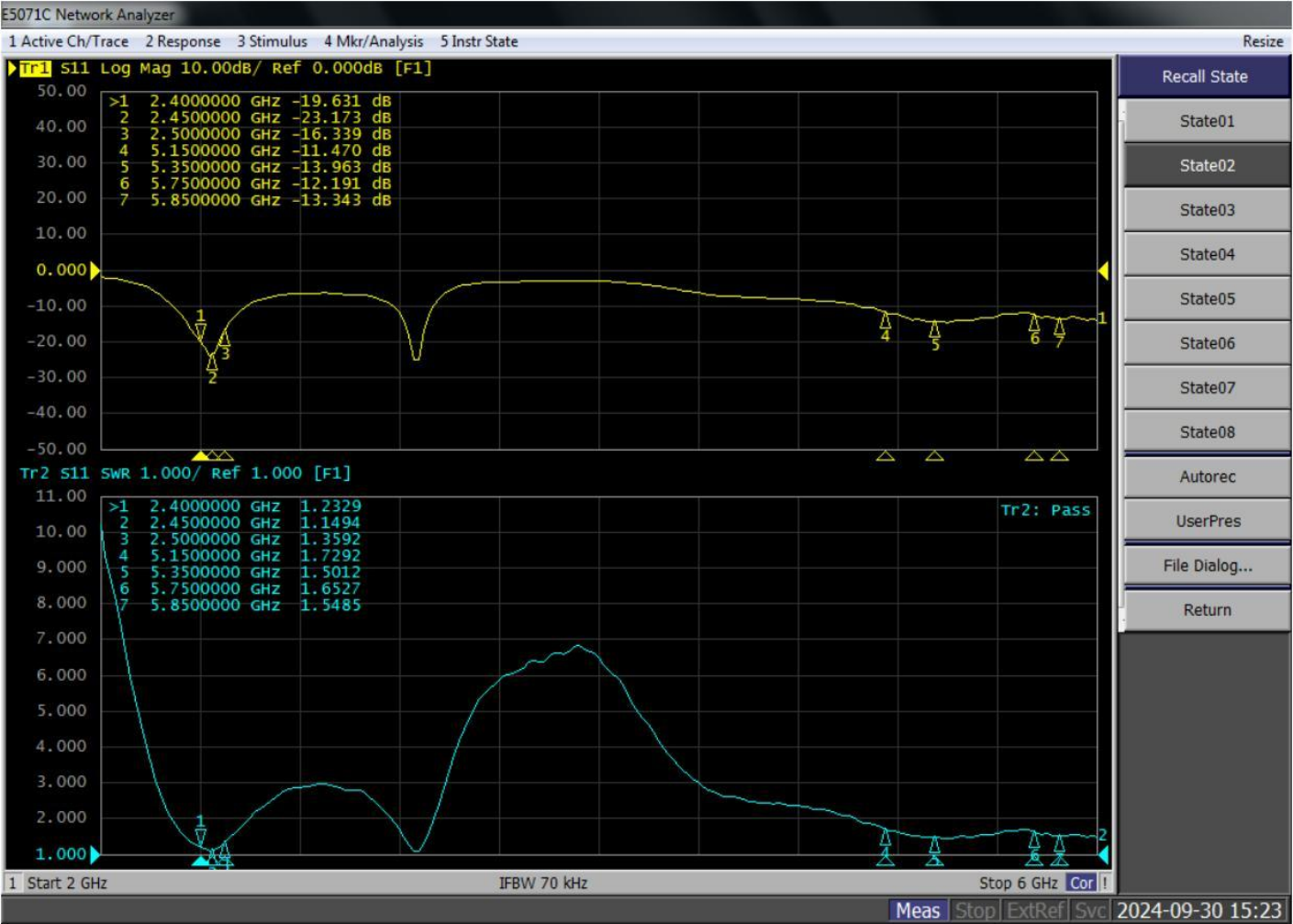
II. Product Parameter

Product Test Parameter			
Product Name	Built-in softboard WIFI antenna	Model Type	F006 1.13 Gray L=50MM
Electrical Specifications			
Frequency Range	2400-5800MHZ	Polarization	
Impedance	50 Ω	Radiation Direction	All-Around
VSWR	≤ 2	Power	50W
Gain	3.69dBi	Bandwidth	100MHz

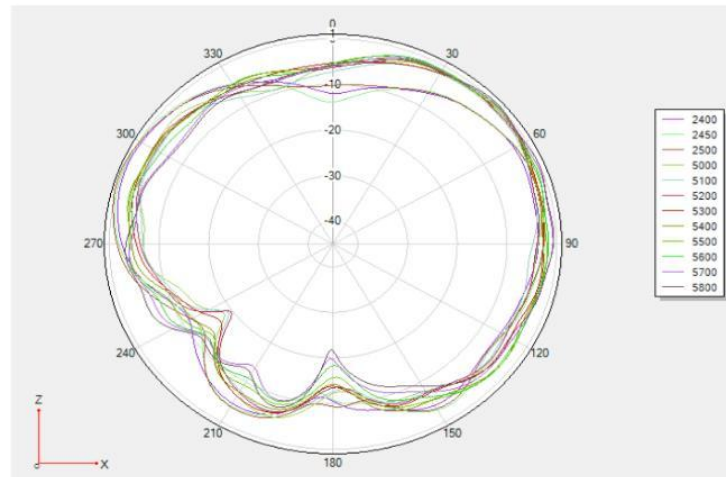
Mechanical Specifications			
Dimensions	31.5*10.33	Antenna Color	Black
Connector Type	First-Generation Terminal	Cable Length	50M±2MM
Antenna Material	FPC		
Working Temperature	-40℃±85℃	Limit Temperature	-40℃±85℃

III. S11（VSWR、Returnloss、Smith）Data

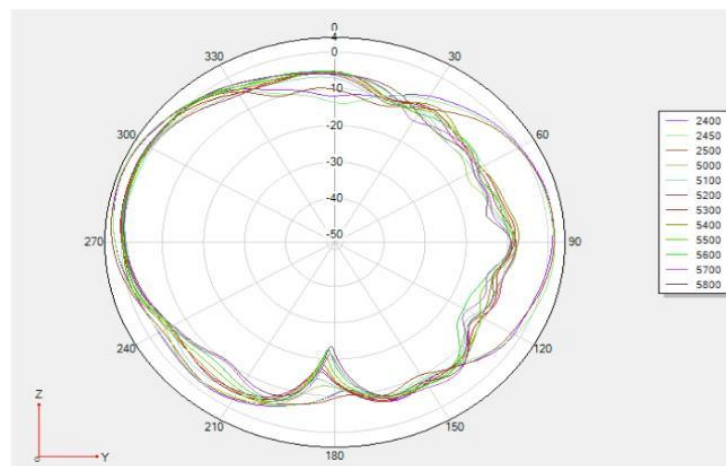
1.1 Network Analyzer Report



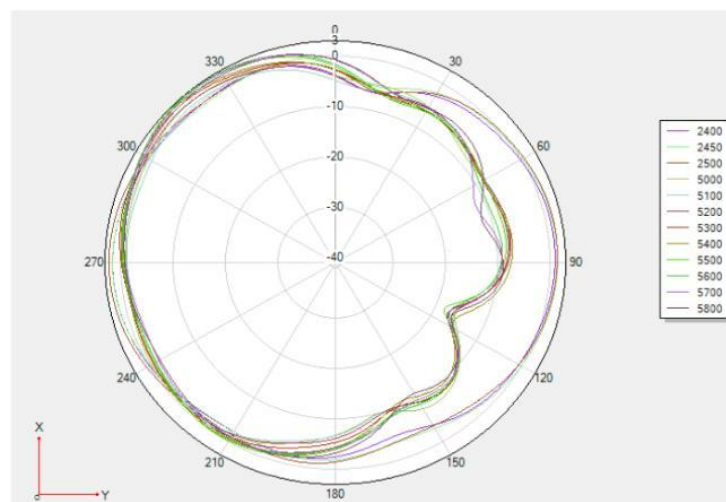
2.2 2D Directional Diagram



Phi 0 2D

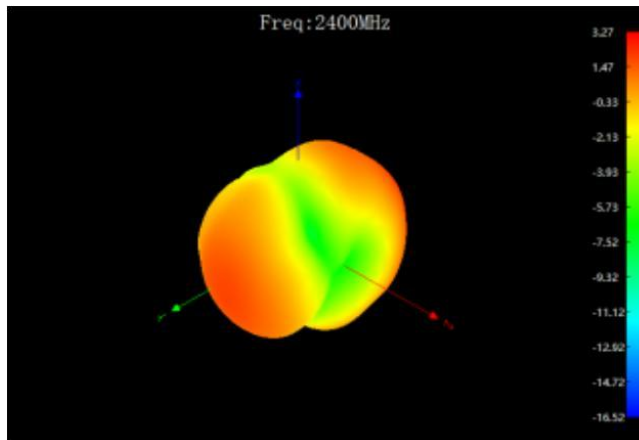


Phi 90 2D

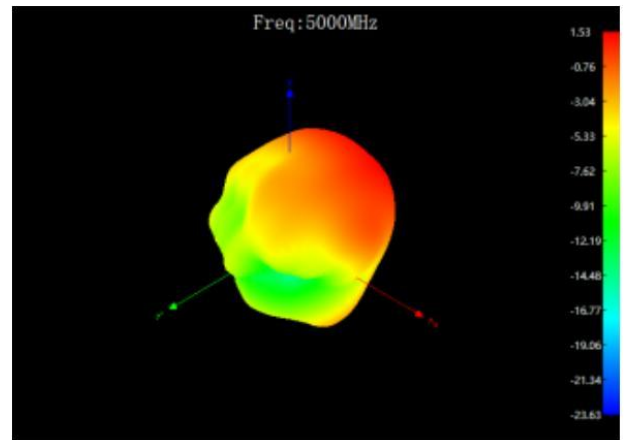


Theta 90 2D

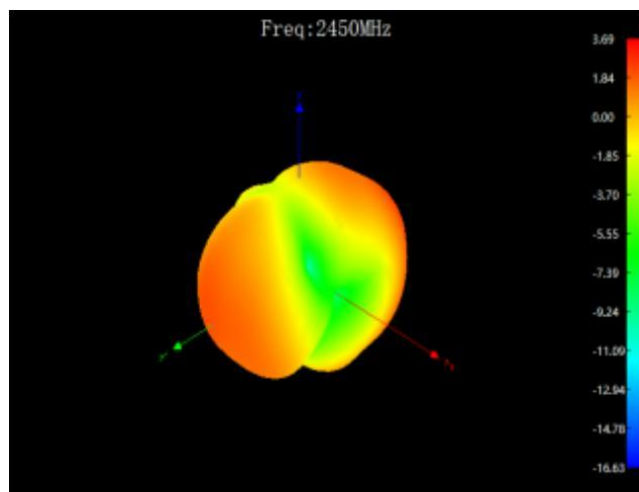
3.3 3D Directional Diagram



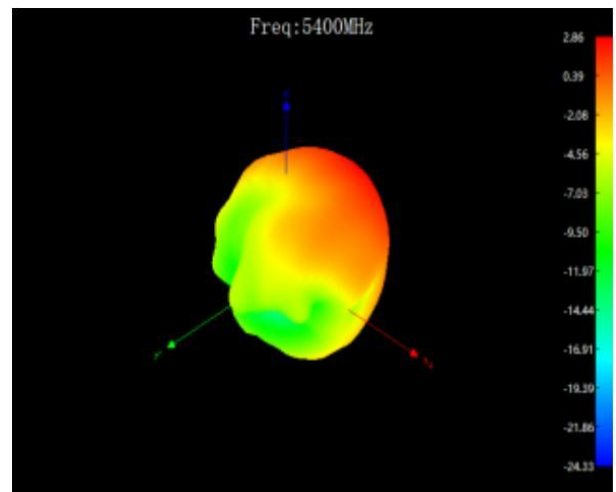
2400HMZ



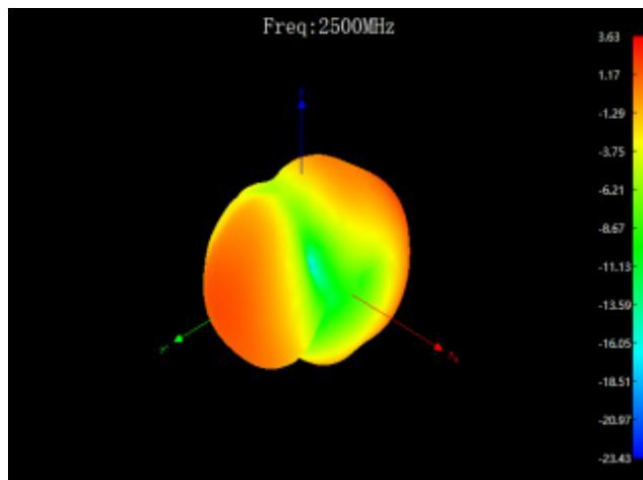
5000HMZ



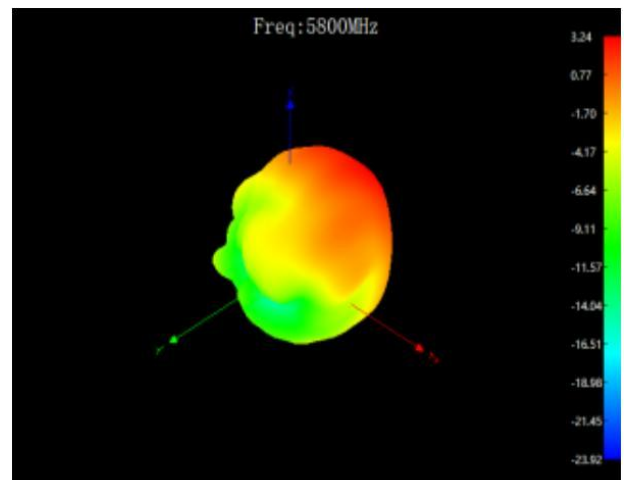
2450HMZ



5400HMZ



2500HMZ



5800HMZ

IV Antenna Efficiency, Gain Value

Frequency	Efficiency	Efficiency / %	Frequency	MaxGain/dBi	AvgGain/dBi
2400	-3.11	48.87	2400	3.27	-3.11
2450	-2.87	51.64	2450	3.69	-2.87
2500	-3.14	48.53	2500	3.63	-3.14
5000	-2.95	50.7	5000	1.53	-2.95
5100	-3.45	45.19	5100	1.03	-3.45
5200	-3.15	48.42	5200	1.98	-3.15
5300	-2.46	56.75	5300	2.79	-2.46
5400	-2.29	59.02	5400	2.86	-2.29
5500	-2.26	59.43	5500	3.24	-2.26
5600	-2.59	55.08	5600	3.2	-2.59
5700	-2.7	53.7	5700	3.32	-2.7
5800	-2.78	52.72	5800	3.24	-2.78

V. Product Size Drawing

