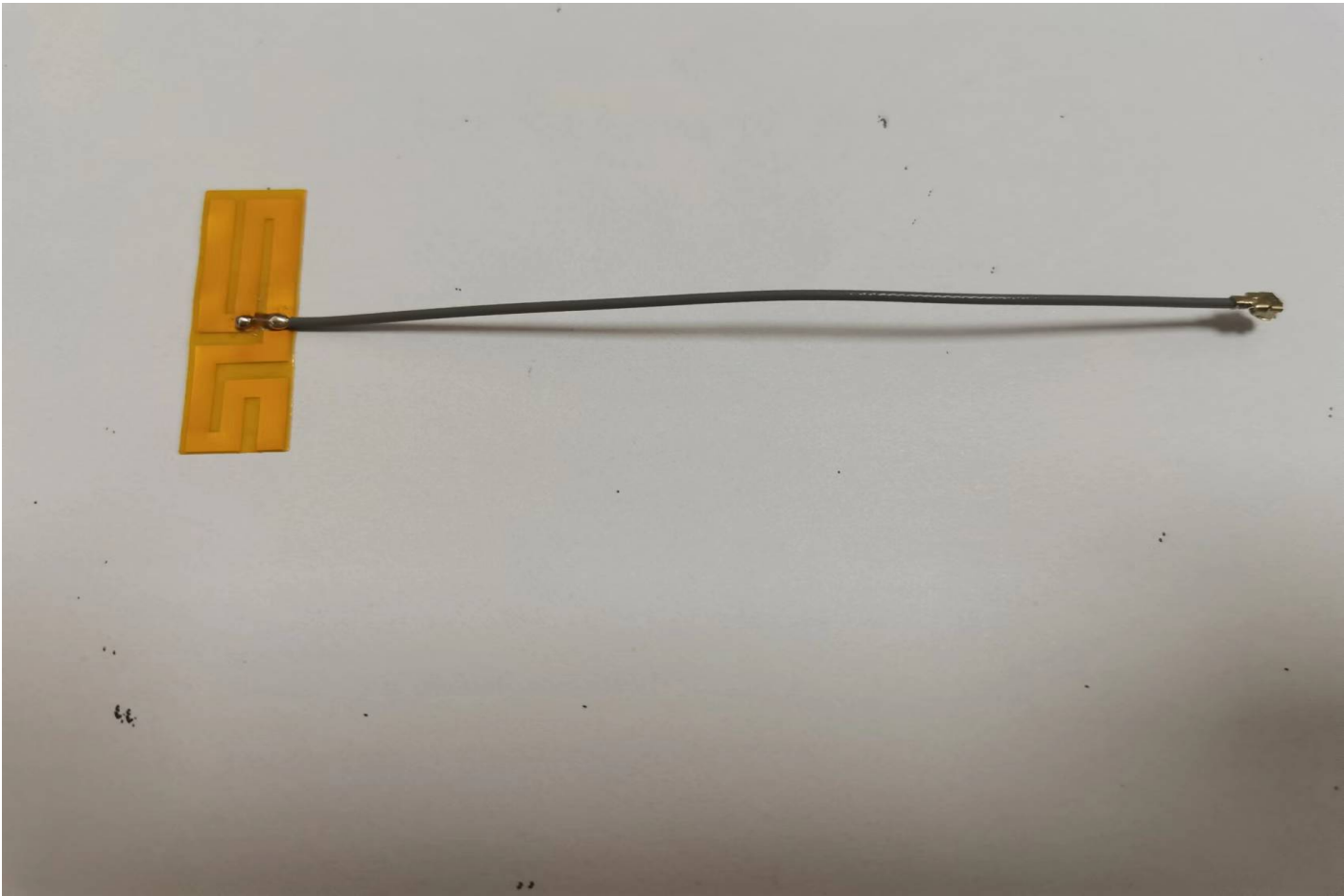


			document number :
Antenna data sheet			
Customer:	Dongguan Zhongyida Electronic Technology Co., LTD		
Address:	F1,Building79,NewSunIndustrialCity,TangxiaTown, DongguanCity,China		
Customer part number:	N/A	Supplier part numb- er:	3007-2.4-5.8G-0019
product desc- ription :	F006-Built-in soft board antenna 1.13 line L=80MM	Model us-ed:	N/A
Supplier's Acknowledgment (seal):		Customer acknowledges (stamp):	
Produced by: Zhou Jingfeng	Structure: Zhou Jin- gfeng		
examine and verify :	Date: 2025.04.09		

catalogue

the title page of a thread-bound book	1
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1. Product pictures	3
2. Product parameters	3
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5. Product size drawing.....	8

1. Product pictures



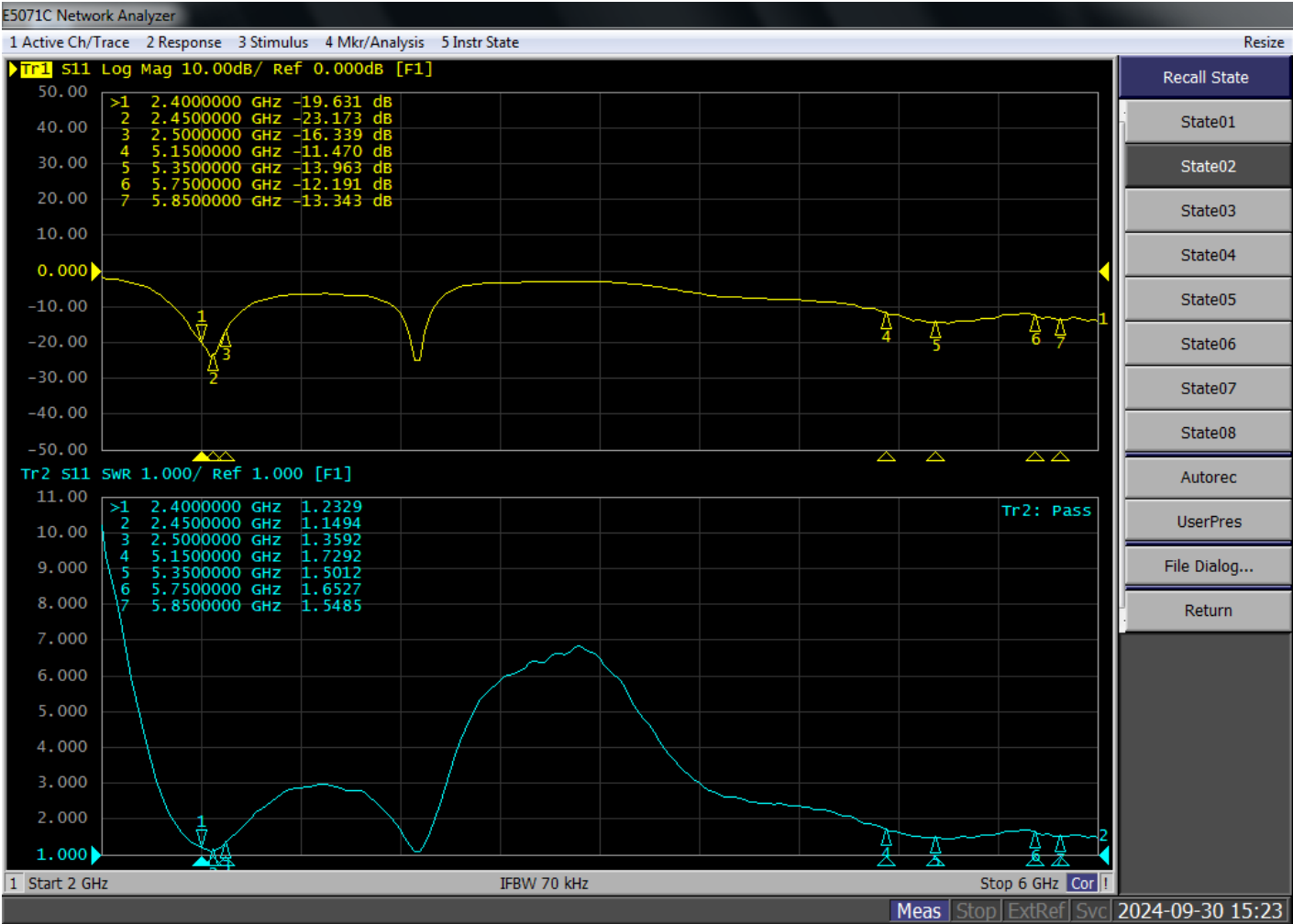
2. Product parameters

Product test parameters			
Product name	WIFI antenna	Model Type	F006 1.13 Gray L=80MM
Electrical specifications (Electrical Specifications)			
FREQUENCY RANGE	2400-5800MHZ	Pola-rization	perpendicular
Impedan-ce	50 Ω	radiation direction	omnidirectional
VSW)	≤2	Power	50W
Gain	3.69dBi	Bandwidth	100MHz

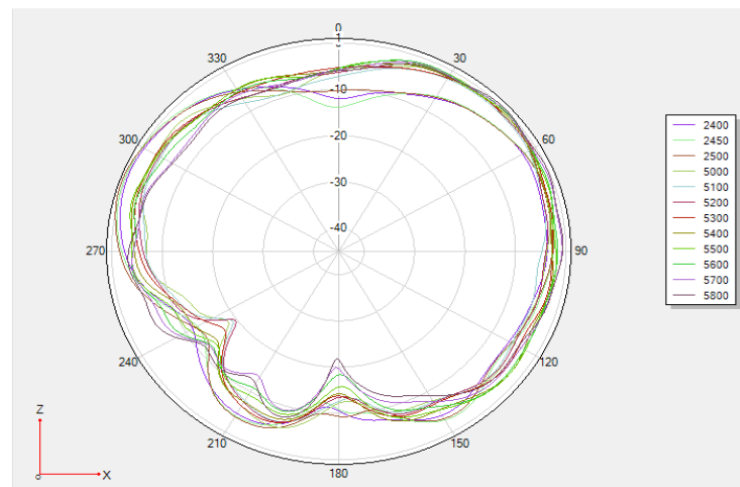
Mechanical specifications (MS)			
Dimensions	31.5*10.33	Chassis Co-lor	black
Con-nector	A generation of terminals	Cable Length	80MM±2MM
Chassis Material)	FPC		
WorkingTemperature	-40℃±85℃	LimitTemperature	-40℃±85℃

3. S11 (VSWR, Return loss, Smith) data

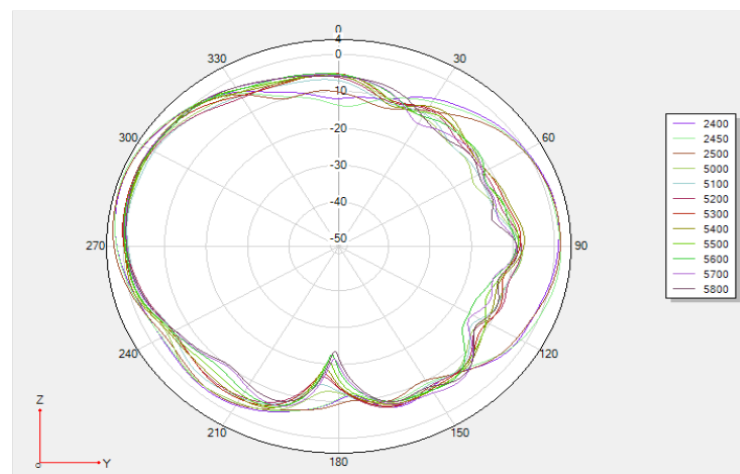
1.1 Network analyzer report



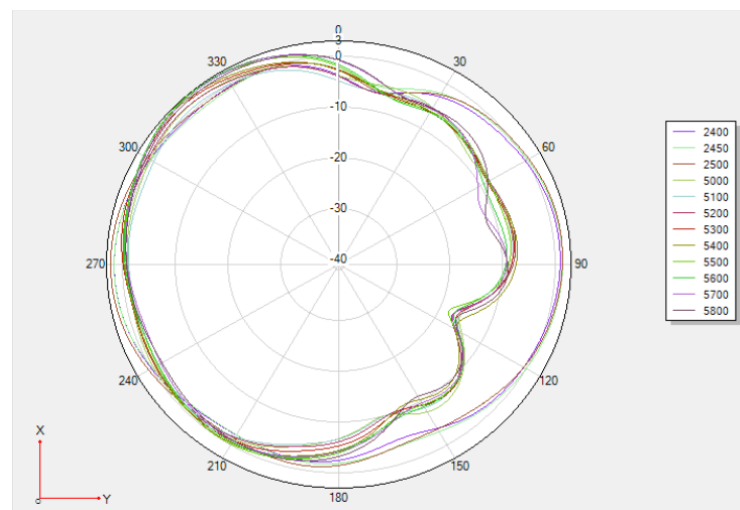
2.2 2D direction diagram



Phi 0 2D

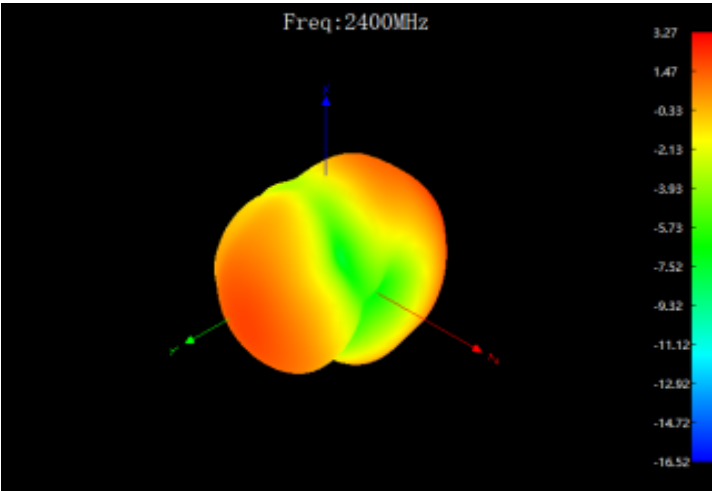


Phi 90 2D

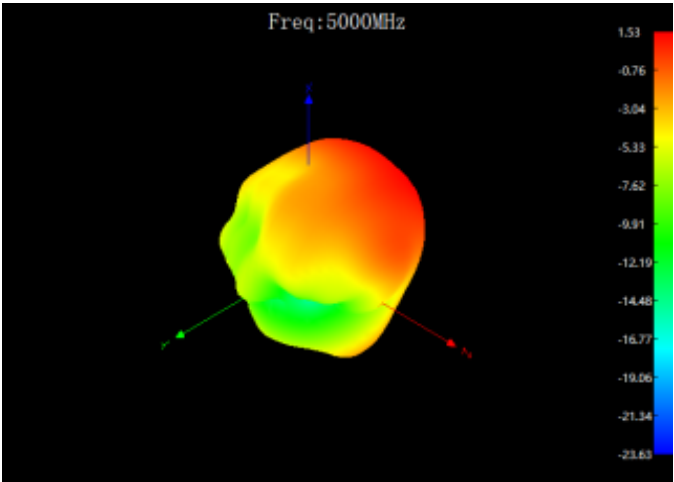


Theta 90 2D

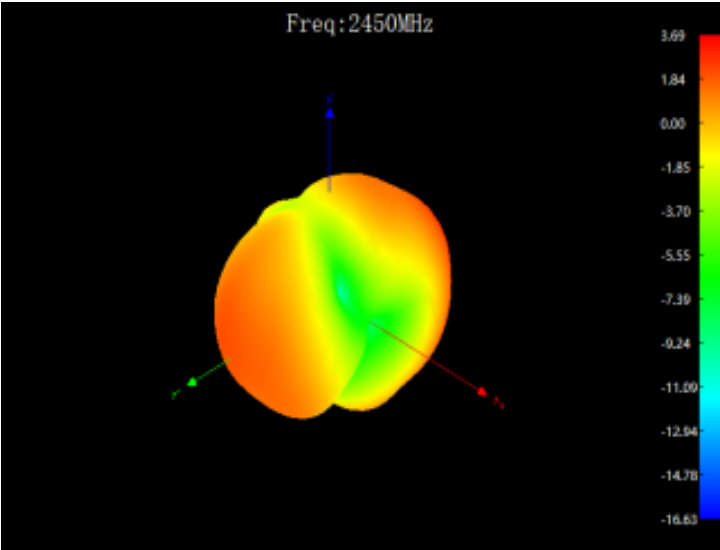
3.3 3D direction diagram



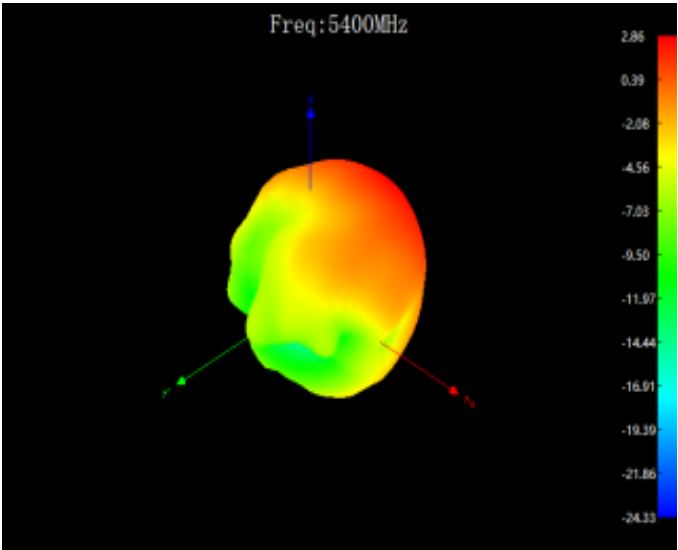
2400HMZ



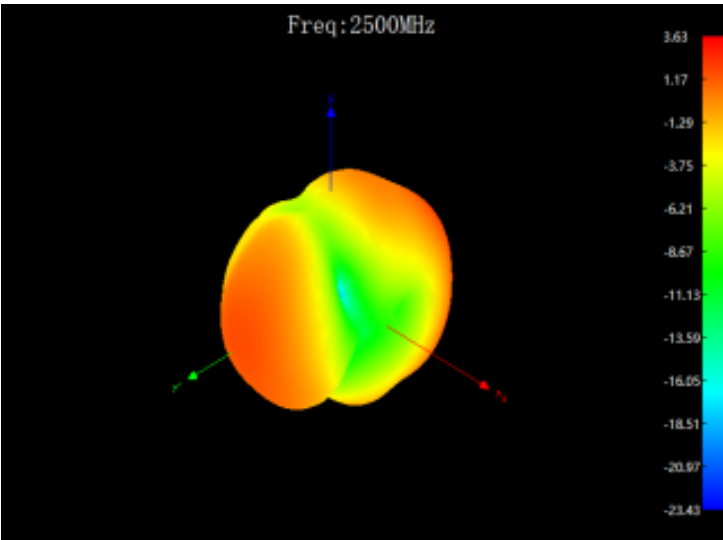
5000HMZ



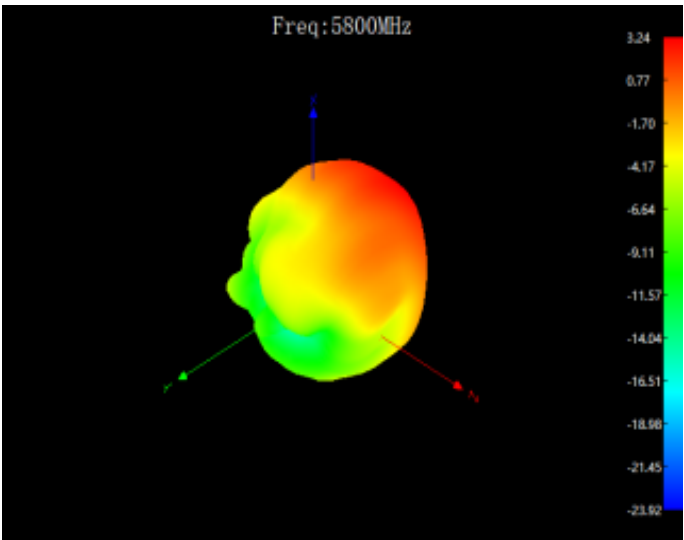
2450HMZ



5400HMZ



2500HMZ



5800HMZ

4. Antenna efficiency and 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

5. Product size drawing

