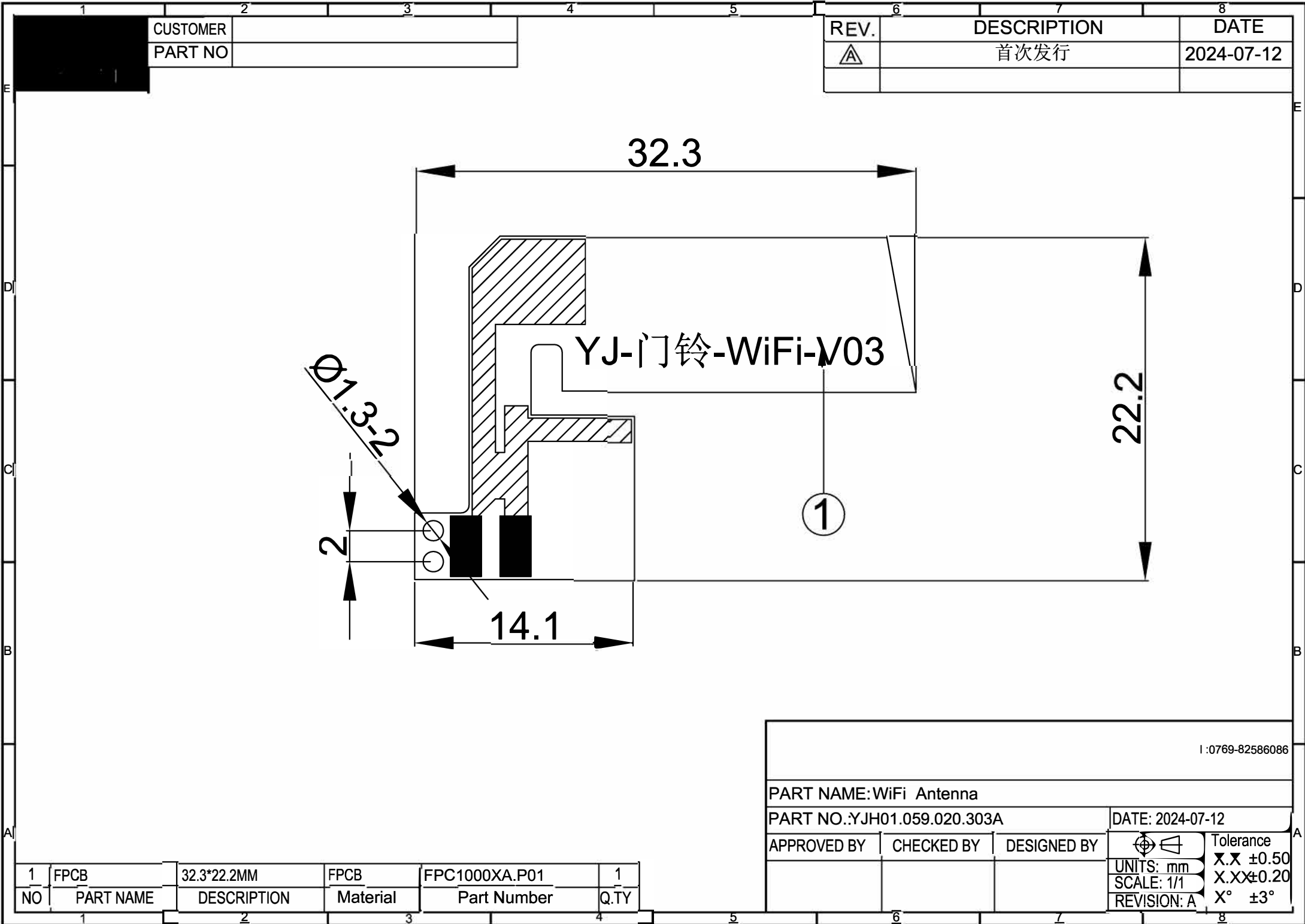




CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	首次发行	2024-07-12

1	FPCB	32.3*22.2MM	FPCB	FPC1000XA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY

I :0769-82586086					
PART NAME:WiFi Antenna					
PART NO.:YJH01.059.020.303A				DATE: 2024-07-12	
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance	
				X.X ±0.50	
				X.XX±0.20	
				X° ±3°	
			UNITS: mm	REVISION: A	
			SCALE: 1/1		

天线规格

Antenna Specification

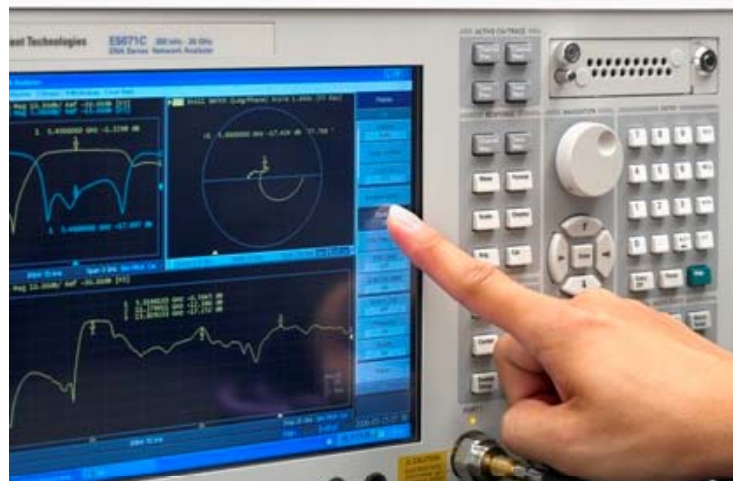
Electrical Properties

Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max@2.4-2.5GHz 7.0 Max@5.15-5.85GHz
Gain	3.9 dBi@2.4-2.5GHz 0.8 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear

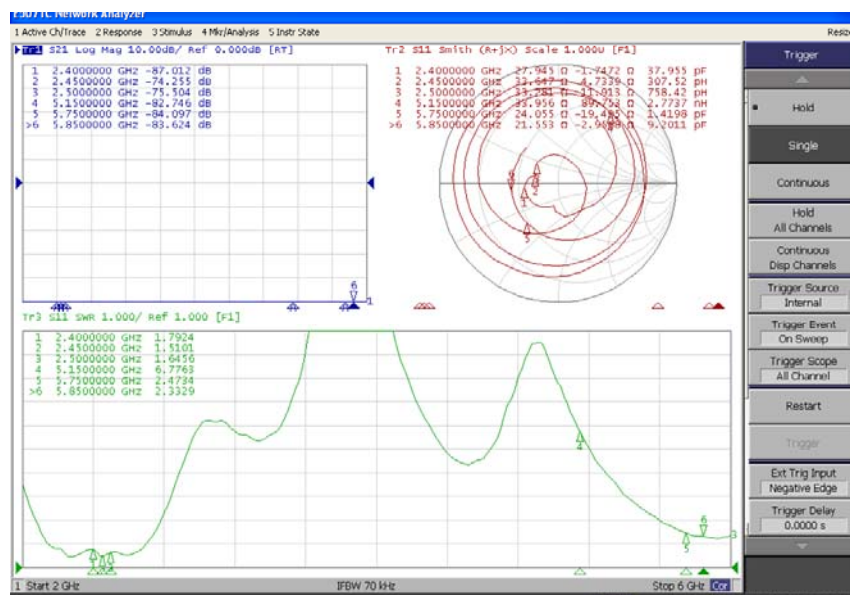
Physical Properties

Connector	None
Cable Type	None
Cable Length	None
Cable Color	None
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	-20 ~ +70°C / <70%

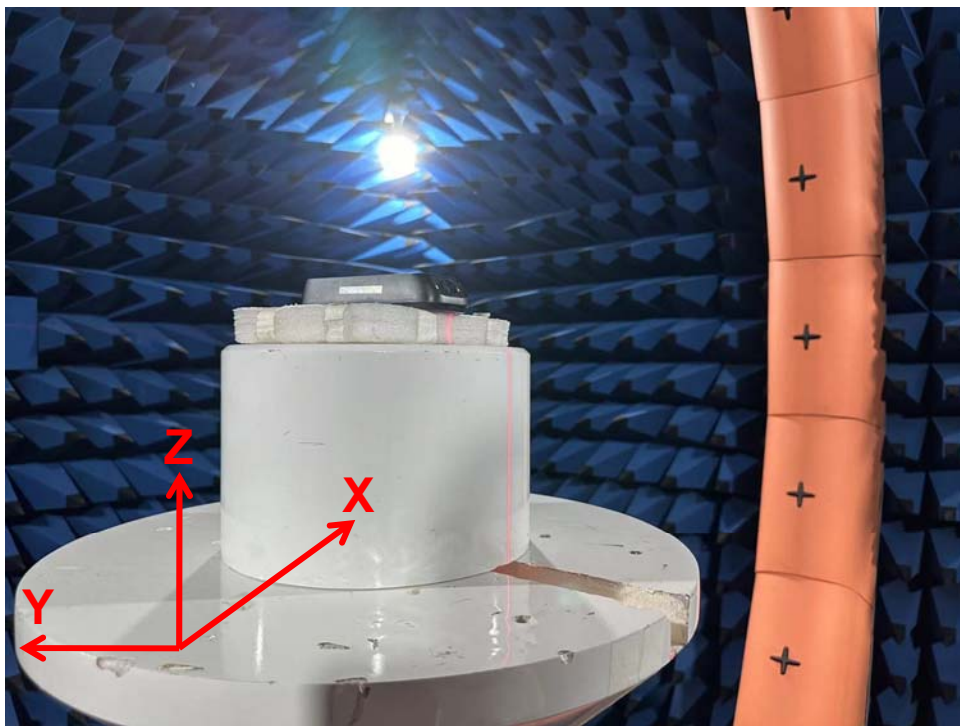
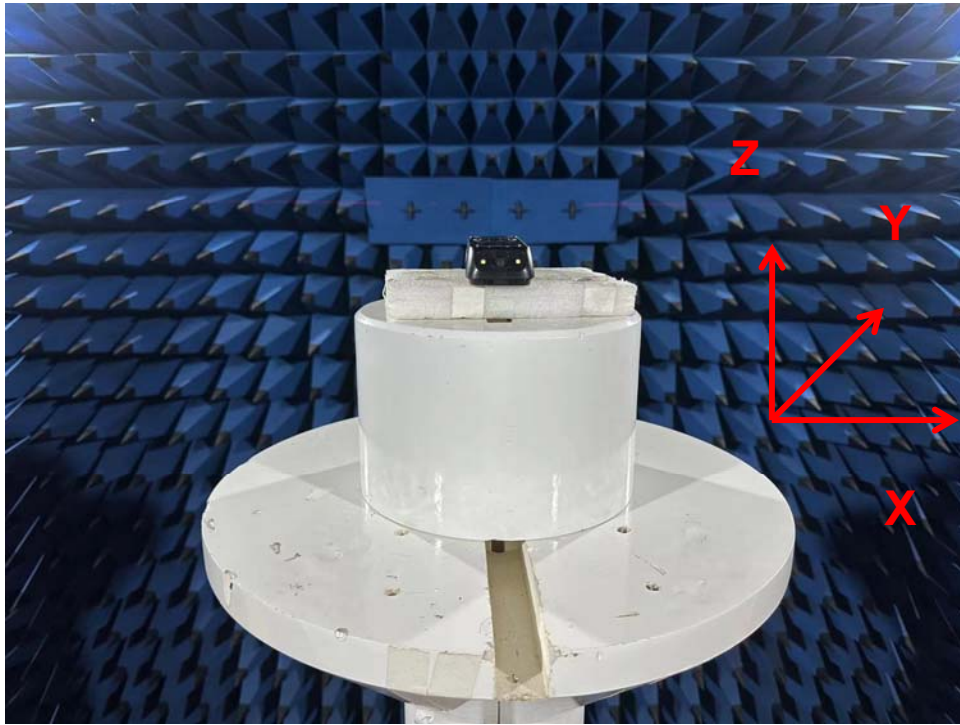
Agilent E5071B



S11 Parameter Test // WIFI Antenna



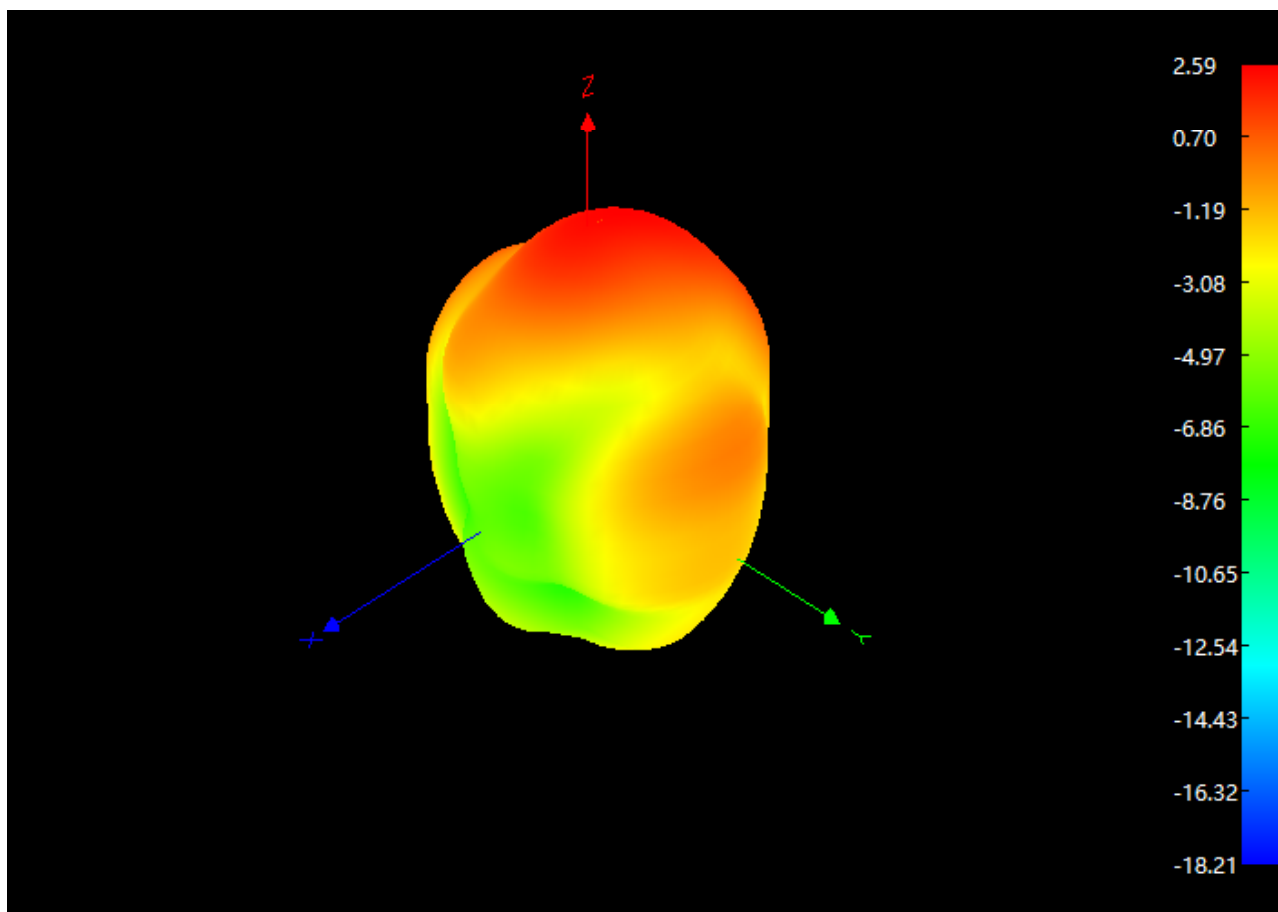
Antenna Passive Test



Passive Test For WIFI Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	46.7	-3.3	1.7
2410	47.6	-3.2	1.8
2420	48.8	-3.1	2.0
2430	50.0	-3.0	2.2
2440	49.9	-3.0	2.4
2450	48.8	-3.1	2.6
2460	48.8	-3.1	3.0
2470	50.5	-3.0	3.3
2480	55.9	-2.5	3.8
2490	56.3	-2.5	3.9
2500	56.1	-2.5	3.9

Passive Test For WIFI Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	13.6	-8.7	-2.8
5200	16.6	-7.8	-1.7
5250	17.3	-7.6	-1.3
5300	19.8	-7.0	-0.6
5350	19.0	-7.2	-1.0
5400	23.0	-6.4	0.1
5450	22.2	-6.5	-0.5
5500	20.7	-6.8	-0.5
5550	23.6	-6.3	0.2
5600	22.0	-6.6	-0.5
5650	25.4	-6.0	0.8
5700	24.8	-6.1	-0.1
5750	27.5	-5.6	0.0
5800	23.0	-6.4	-0.9
5850	26.1	-5.8	0.1

Radiation Pattern For WIFI Antenna(2450MHz)



Radiation Pattern For WIFI Antenna(5500MHz)

