



Antenna Approval Sheet

For

K802Project

Customer	华芯智影	Project	K802
Band	WiFi 5GHZ		
ZC PN	HA033-CA-93		
Version	R:A	Data	2024-5-10

RF		ME	
Checked By			
Confirmed By			
Cust Confirm			

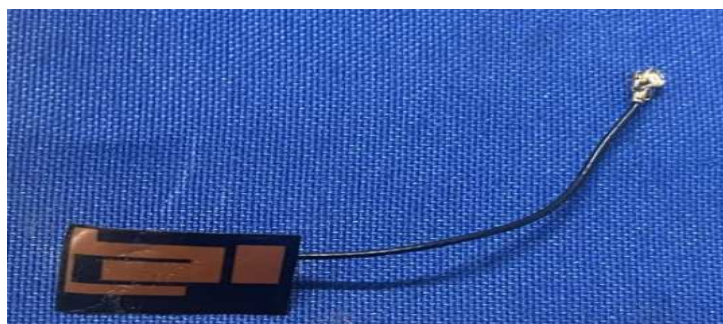


1. Summary of the DUT

K802 Picture



Antenna Picture



2. Electrical Specification:

Antenna types	Built-in WIFI Antenna
Frequency	5150-5350MHZ, 5725-5850MHz
Impedance	50 Ω
VSWR	< 2.0
Peak Gain	5.1GHZ 4.31dbi, 5.8GHZ 4.45dbi
Antenna Material	FPC+同轴线
Connector Type	0.81 MHF-2-Plug



3. Test Condition

3.1	测试项目	测试设备和型号	备注
无源测试	1. Antenna Gain 2. S.W.R 3. Return Loss 4. Radiation Pattern	1. Network analyzer (R&S ZVL6) 2. Network analyzer (HP 8753D)	

3.2 Antenna installation diagram:



4. RF Performance

Freq. (MHz)	5150	5170	5190	5210	5230	5250	5270	5290	5310	5330	5350
Gain (dBi)	3.13	3.45	3.56	4.11	4.31	4.21	4.1	3.82	3.28	3.19	3.04

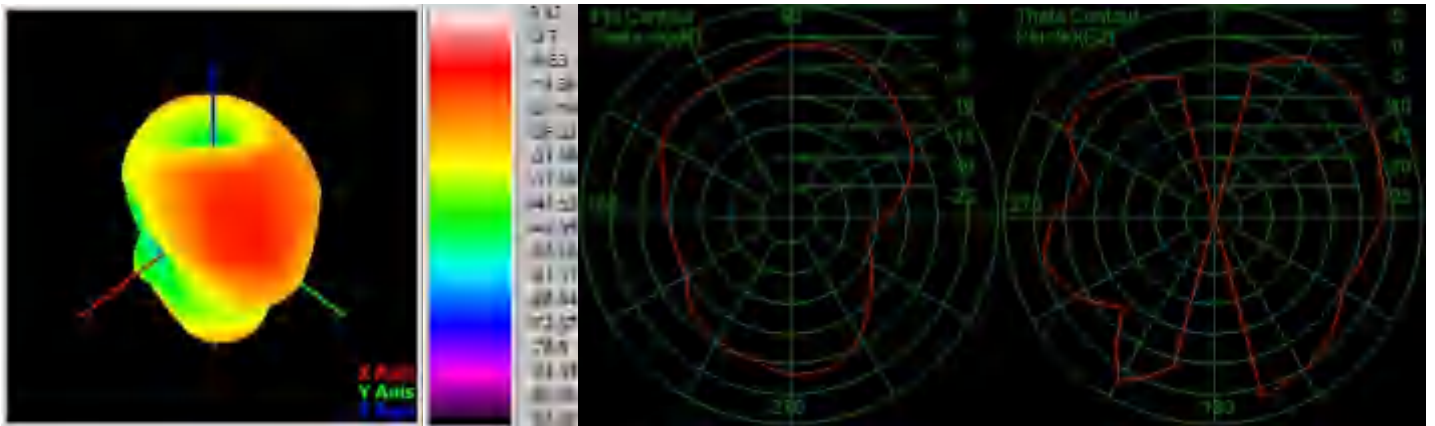
Freq. (MHz)	5720	5740	5760	5780	5800	5820	5840	5860	5880
Gain (dBi)	2.51	4.45	3.32	4.18	2.54	4.01	1.41	2.47	1.09

4.2 S Parameter

Frequency (MHz)	2400	2450	2480
Return Loss (dB)	-20.58	-22.74	-15.39
VSWR	1.63	1.28	1.81

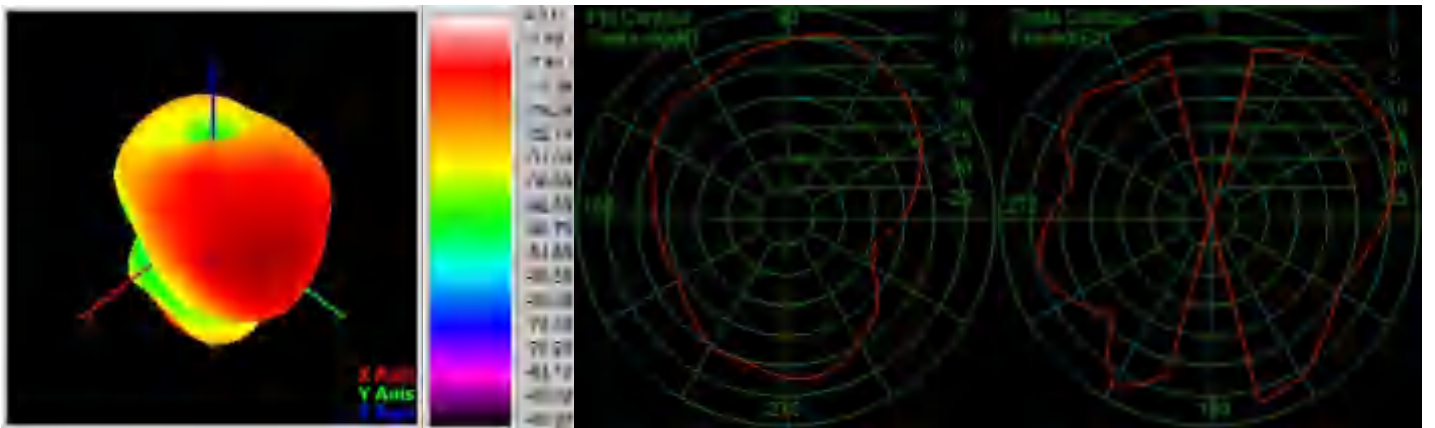


4.3 Radiation Pattern



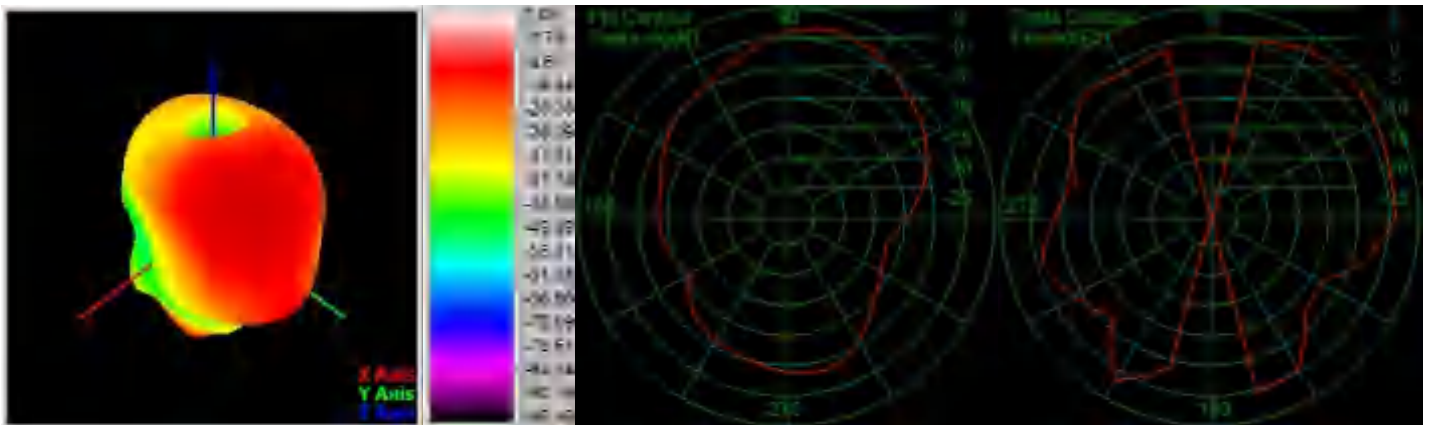
Passive -Freq5150.00MHZ

Gain: 3.13(dBi)



Passive -Freq5230.00MHZ

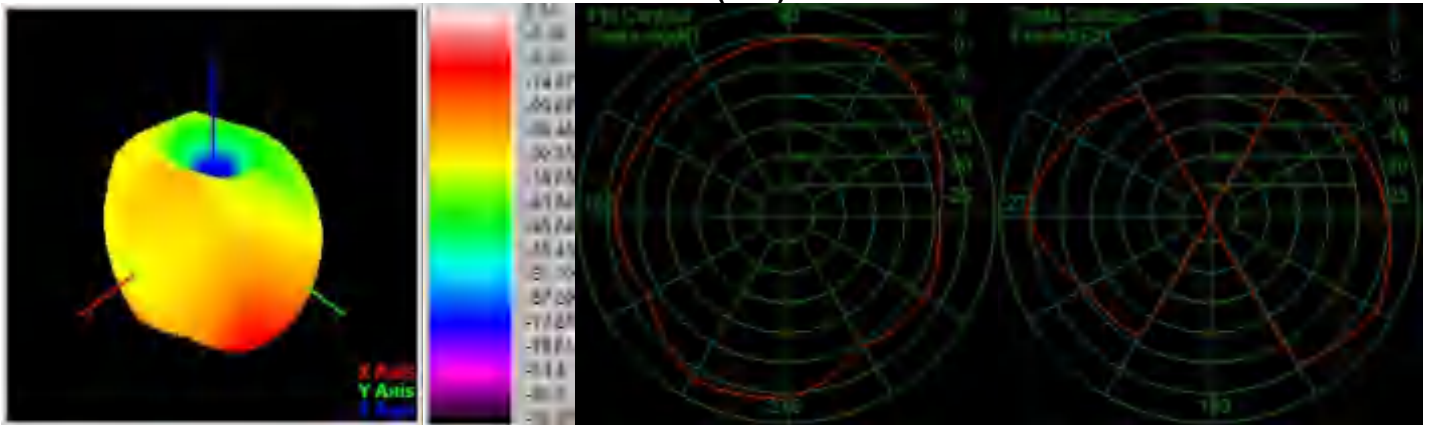
Gain: 4.31(dBi)



Passive -Freq5350.00MHZ



Gain: 3.04(dBi)



Gain: 2.51(dBi)



Gain: 4.45(dBi)



Gain: 2.47(dBi)





5. ME Drawing for the antenna

