



Antenna Approval Sheet

For

RJS-C3 Project

Customer	睿捷视	Project	RJS-C3
Band	WiFi 2.4GHZ		
ZC PN	RG003-CA-93		
Version	R:A	Data	2025-5-18

RF		ME	
Checked By			
Confirmed By			
Cust Confirm			



1. Summary of the DUT

RJS-C3 Picture



Antenna Picture



2. Electrical Specification:

Antenna types	Built-in wifi 2.4GHZ antenna
Frequency	2400-2500 MHz
Impedance	50 Ω
VSWR	< 2.0
Gain	2.88 dbi
Efficiency	>35 %
Antenna Material	FPC+同轴线
Connector Type	1.13 MHF-1-Plug



3. Test Condition

3.1	测试项目	测试设备和型号	备注
1.有源测试	1. TRP 2. TIS	1. 3D microwave darkroom (Satimo SG24) 2. Comprehensive test instrument CMW500) 3. Agilent 8960 E5515C	
2.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 Matching Circuit The matching circuit was Default

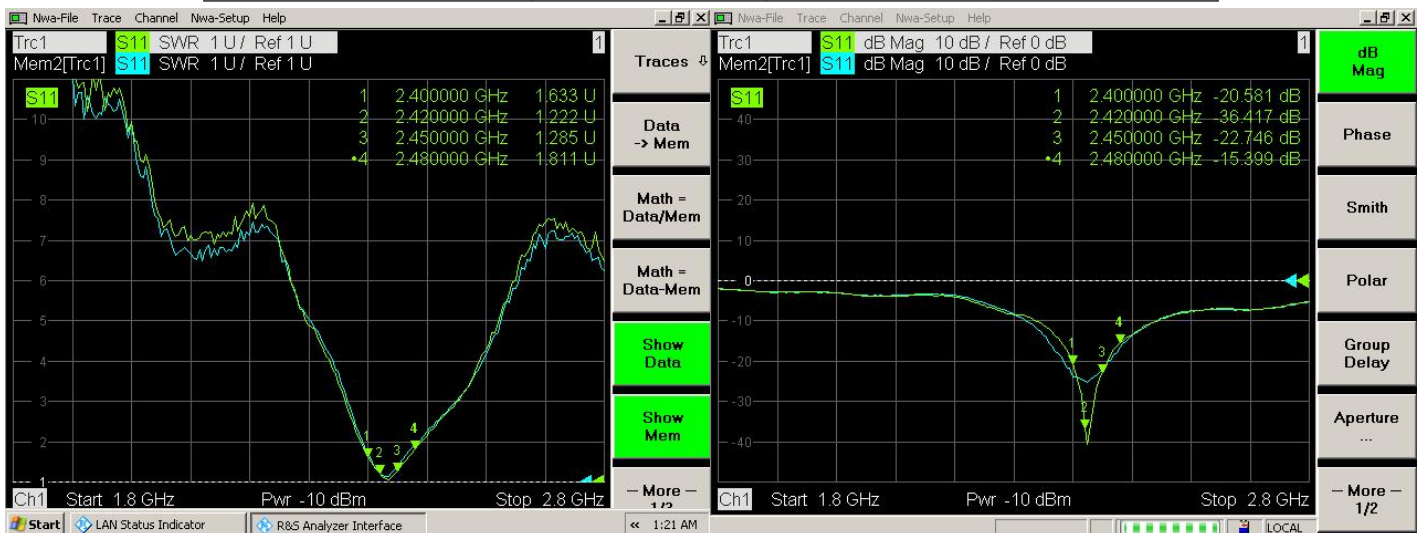
4. RF Performance

4.1 Passive parameters

Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.67	1.8	2.13	2.56	2.53	2.85	2.88	2.45	1.99	1.98	1.95

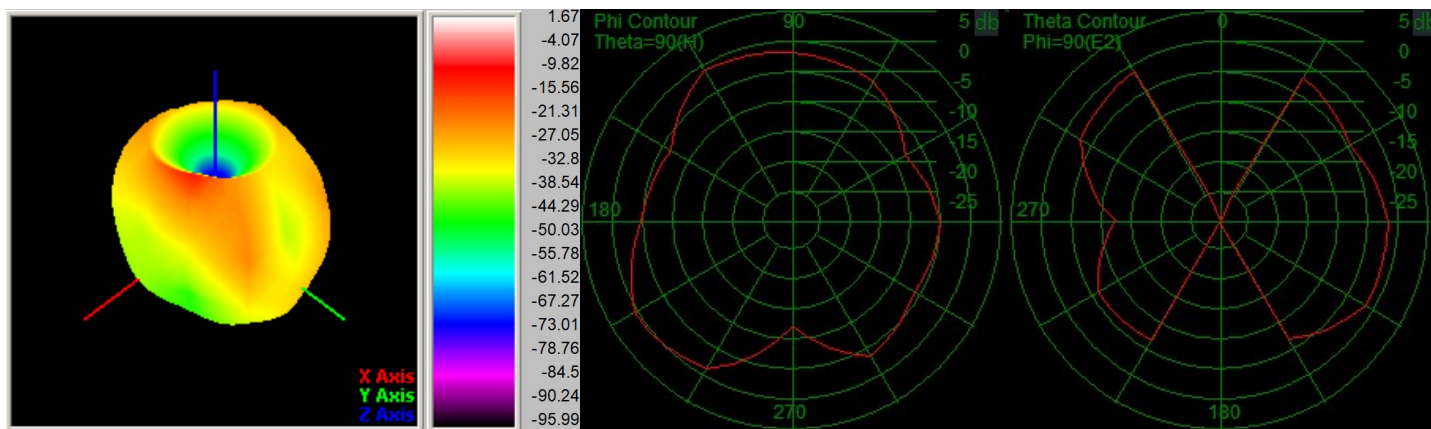
S Parameter

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



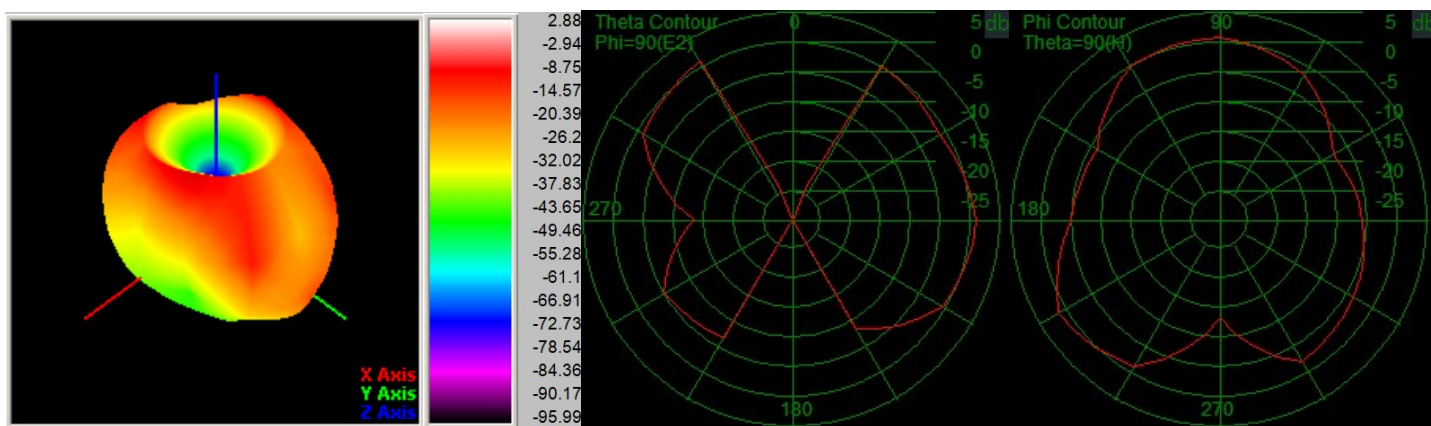


4.2 Antenna 3D Radiation Pattern (Unit:dbi)



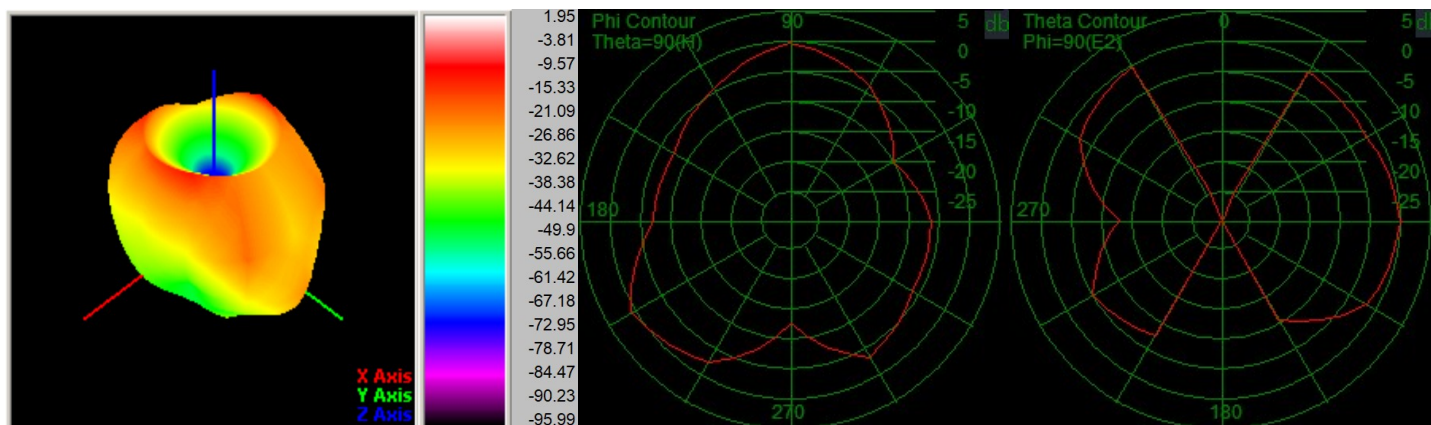
Passive -Freq2400.00MHZ

Gain: 1.67(dBi)



Passive -Freq2460.00MHZ

Gain: 2.88(dBi)



Passive -Freq2500.00MHZ

Gain: 1.95(dBi)



5. ME Drawing for the antenna

