



Antenna Approval Sheet

For **D600** Project

Customer	Huaxin zhiying	Project	D600
Band	WiFi 2.4GHZ/5GHZ		
ZC PN	HA029-CA-93		
Version	R:A	Data	2024-1-2

RF	
Checked By	
Confirmed By	
Cust Confirm	

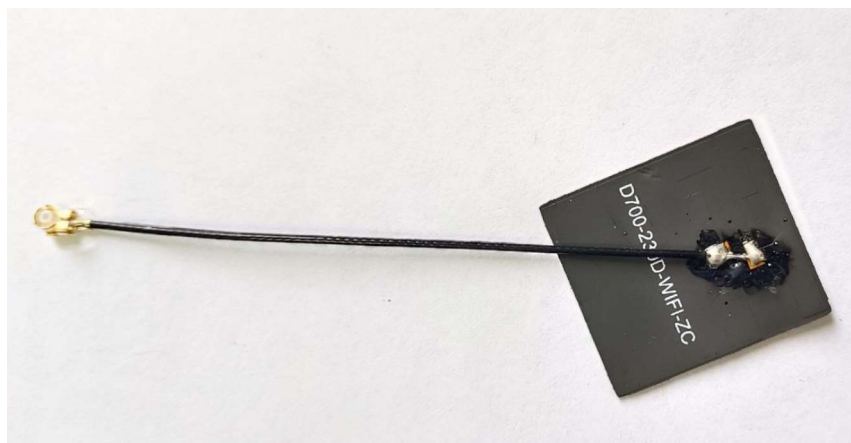


1. Summary of the DUT

D600 Picture



Antenna Picture



2. Electrical Specification:

Antenna types	Built-in WIFI Antenna
Frequency	2400-2500 MHz, 5150-5350MHZ, 5725-5850MHz
Impedance	50 Ω
VSWR	< 2.0
Peak Gain	2.4GHZ 1.73dbi, 5.1GHZ 4.31dbi, 5.8GHZ 4.45dbi
Antenna Material	FPC+Coaxial Cable
Connector Type	0.81 MHF-2-Plug



3. Test Condition

3.1	Test items	Test equipment and models	Remark
Passive test	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

3.3 Antenna installation diagram:



4. RF Performance

4.1 Passive parameters

Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	0.58	0.66	1.1	1.02	1.17	1.59	0.72	0.08	0.72	1.19	1.73

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

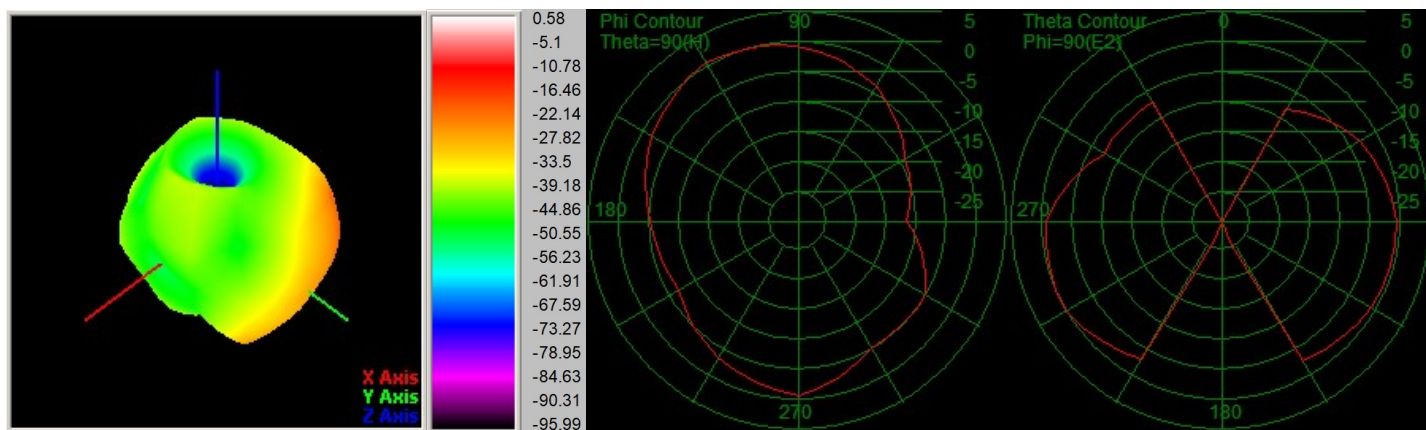
Freq. (MHz)	5720	5740	5760	5780	5800	5820	5840	5860	5880
Gain (dBi)	2.51	4.45	3.32	4.18	2.54	4.01	1.41	2.47	1.09

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

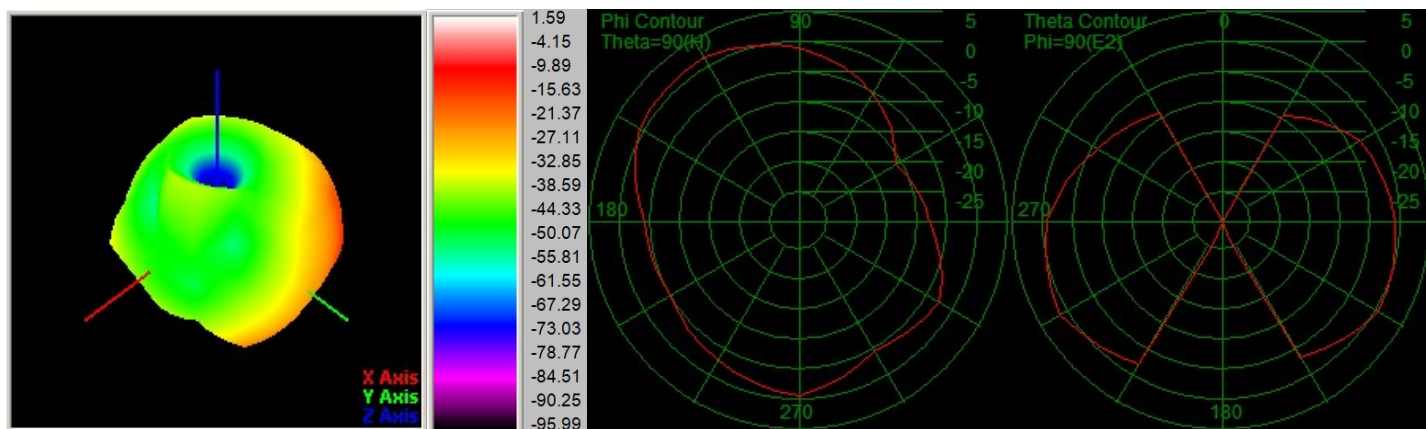


4.3 Radiation Pattern



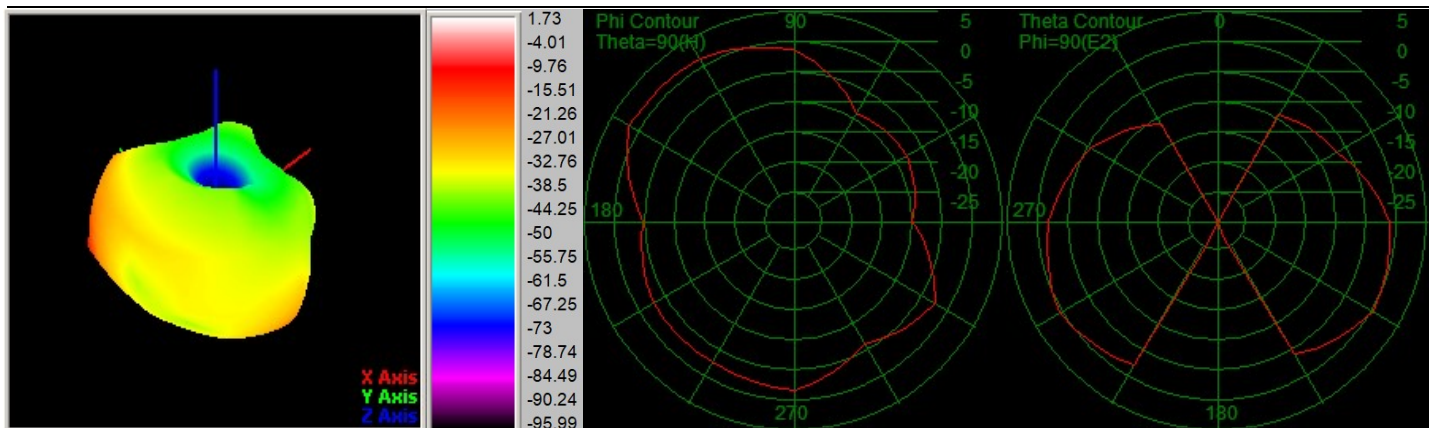
Passive -Freq2400.00MHZ

Gain:0.58(dBi)



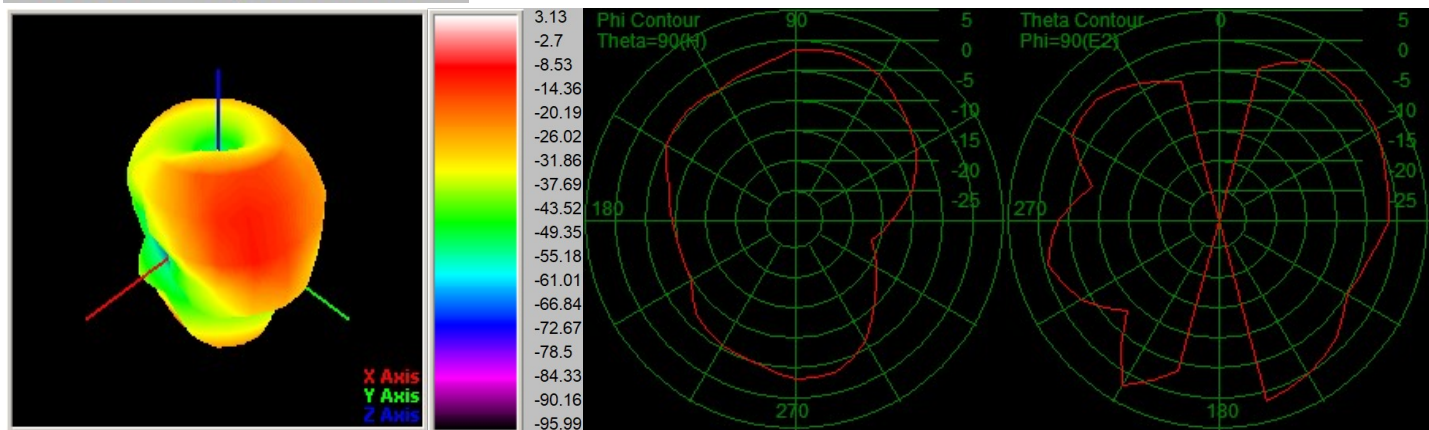
Passive -Freq2450.00MHZ

Gain: 1.59(dBi)



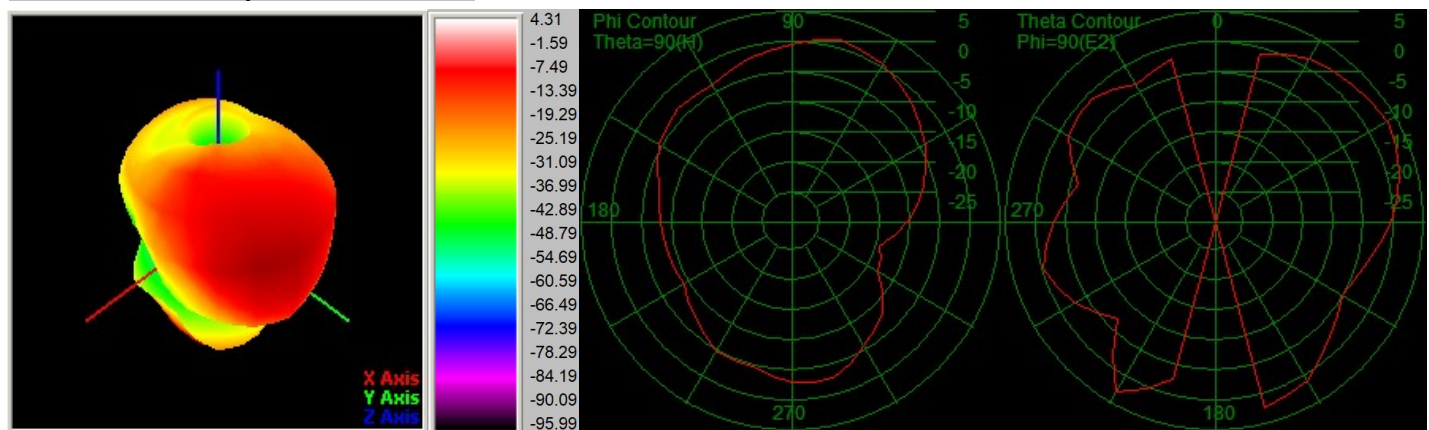
Passive -Freq2500.00MHZ

Gain: 1.73(dBi)



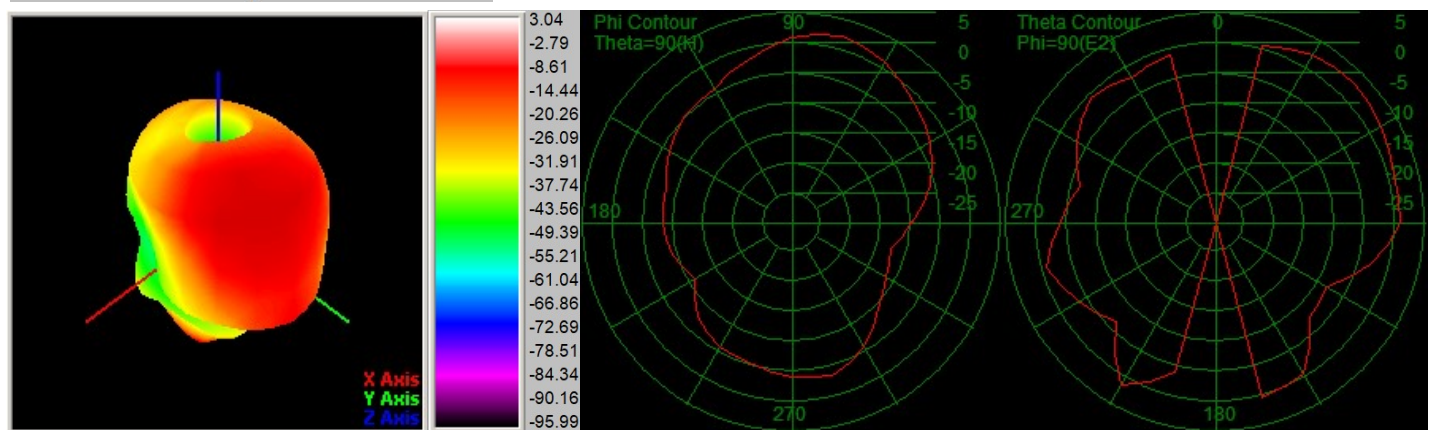
Passive -Freq5150.00MHZ

Gain: 3.13(dBi)



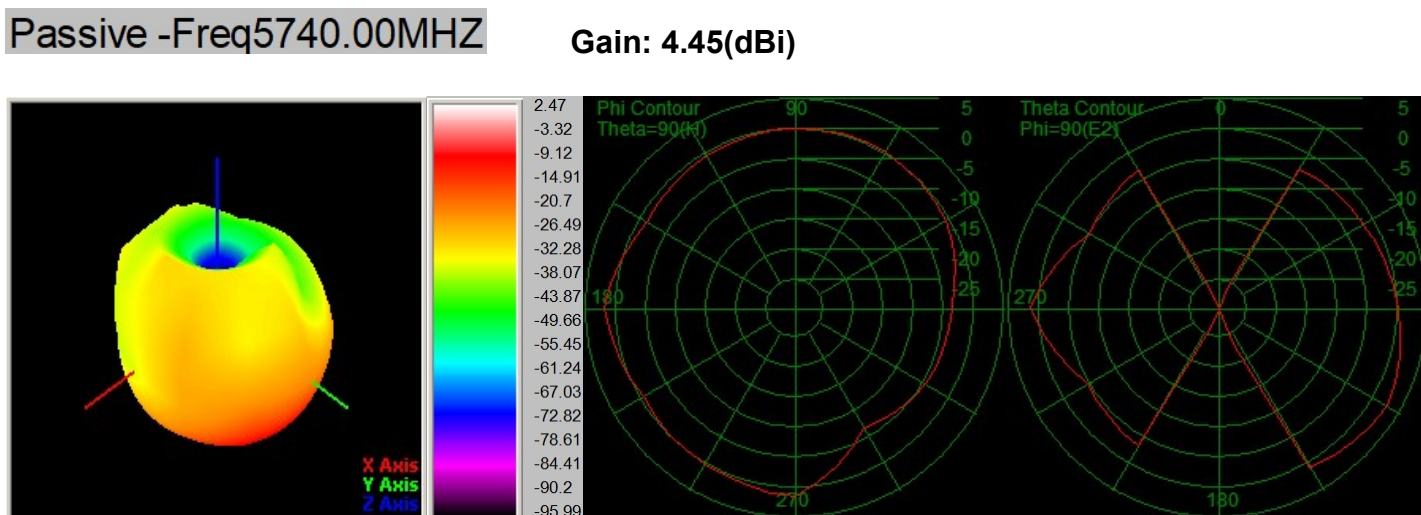
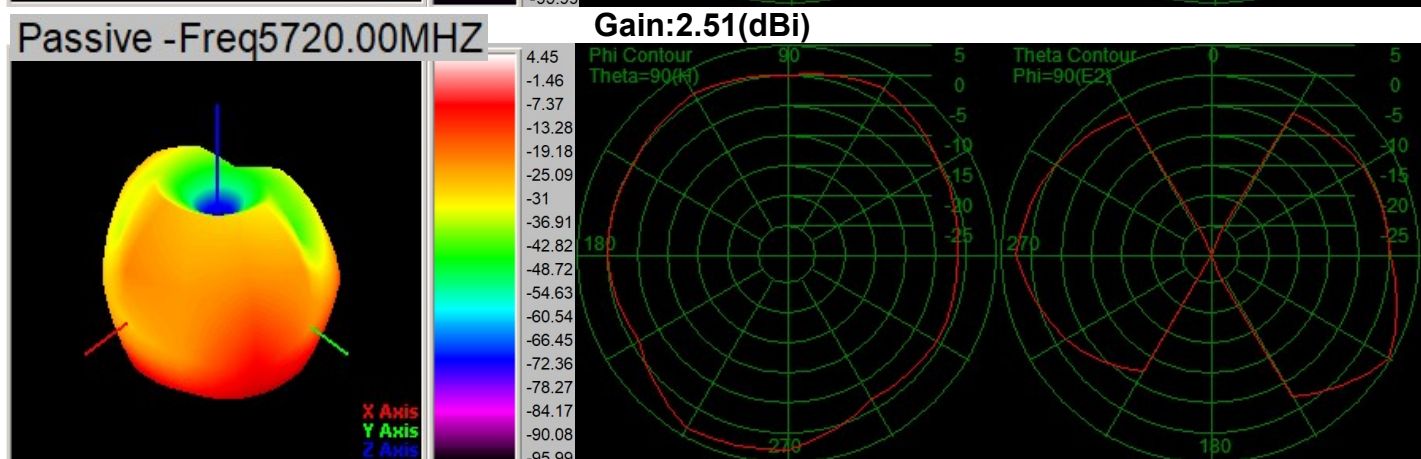
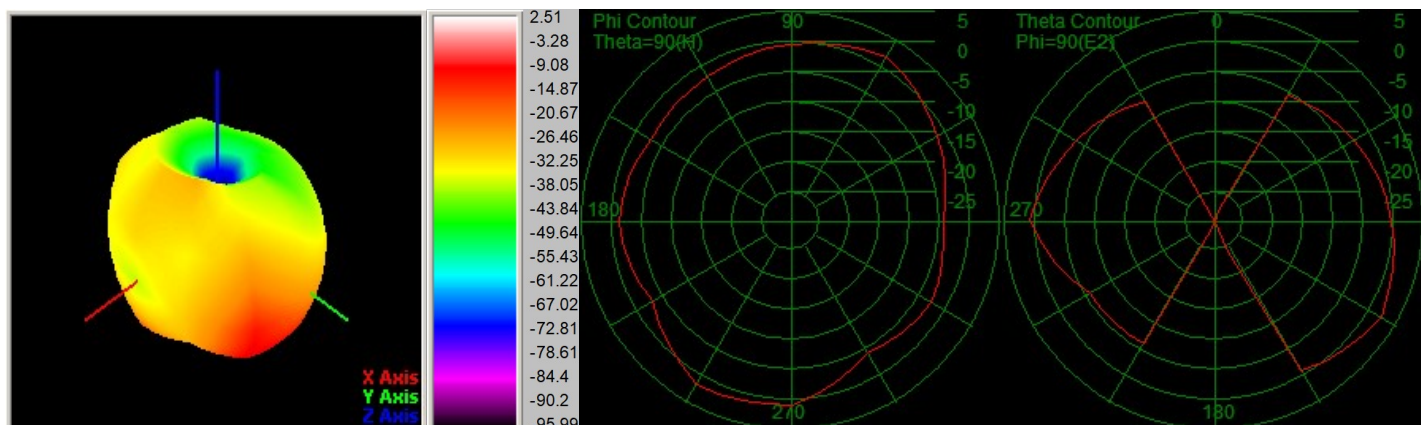
Passive -Freq5230.00MHZ

Gain: 4.31(dBi)



Passive -Freq5350.00MHZ

Gain: 3.04(dBi)





5. ME Drawing for the antenna

