



# Antenna Test Report

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Tester : Jiang Wenbei

Approval : Chen Guoqiang

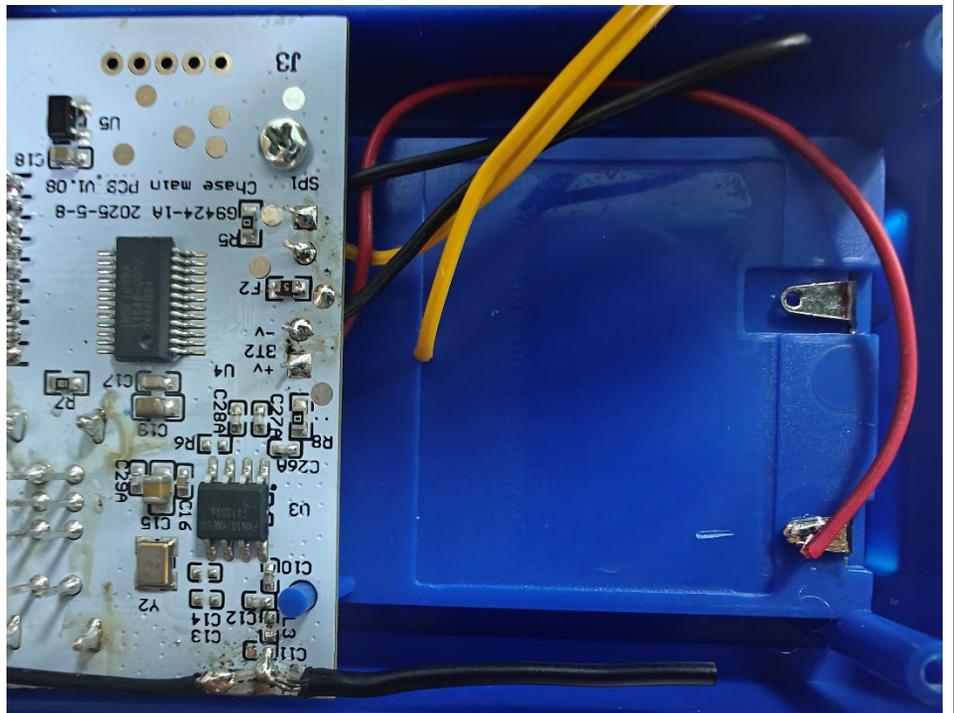
Date : 2025 / 05 / 29

# 1. Antenna Profile

*Device*

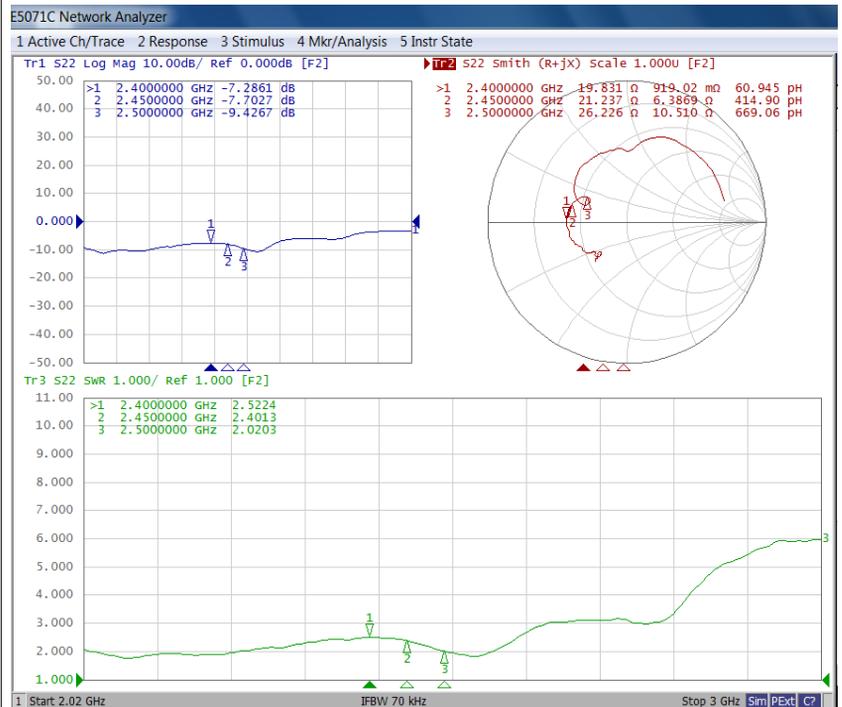


*2.4G  
Antenna*

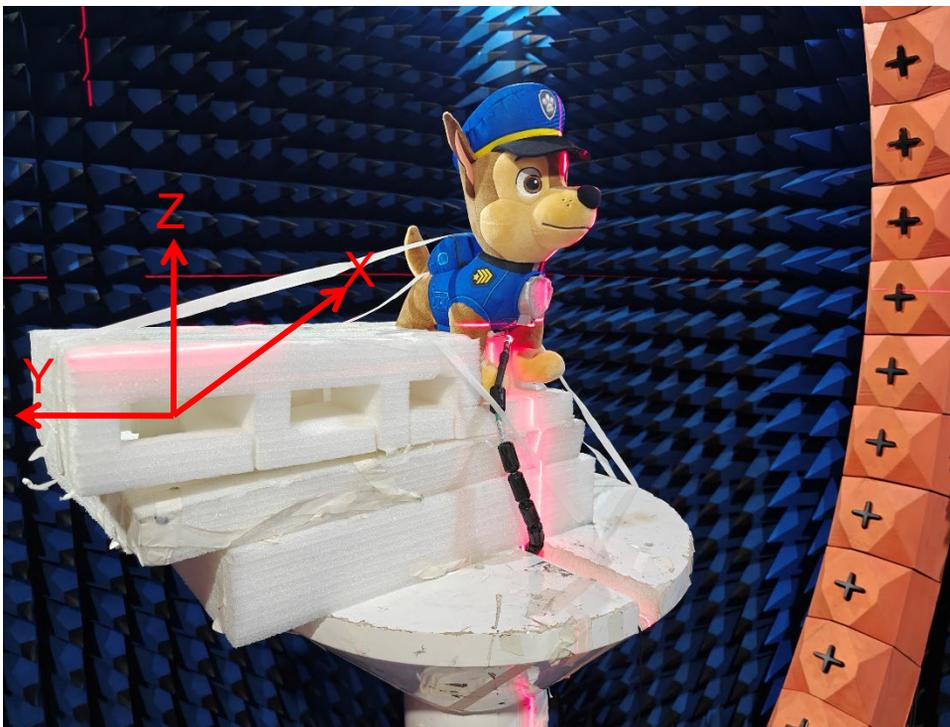
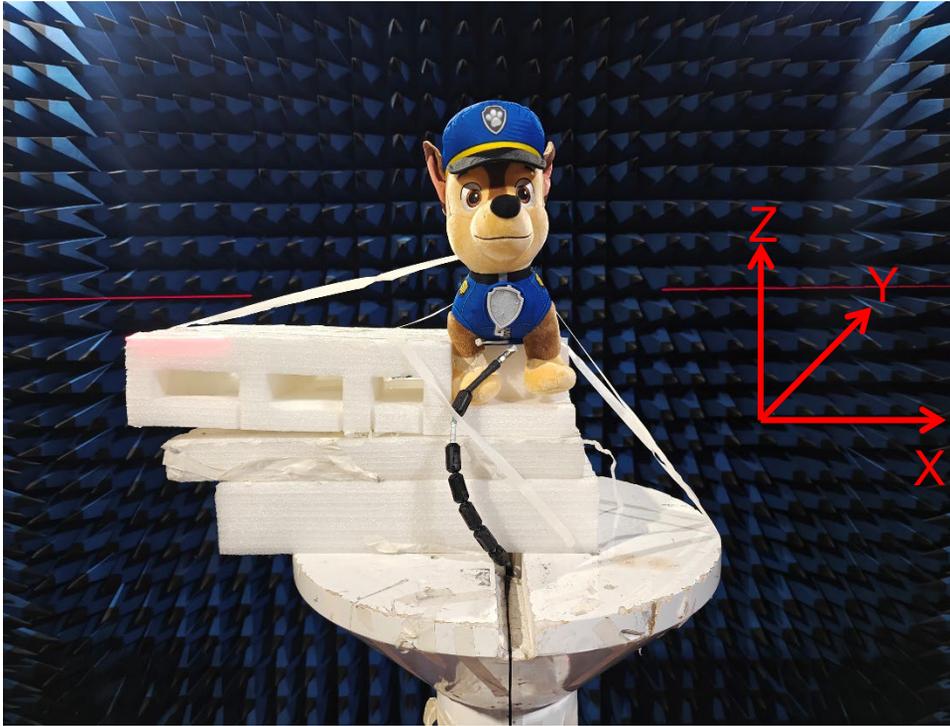


## 2. Antenna Performance Test

*Agilent  
E5071C  
S22  
Parameter  
Test //  
2.4G  
Antenna*



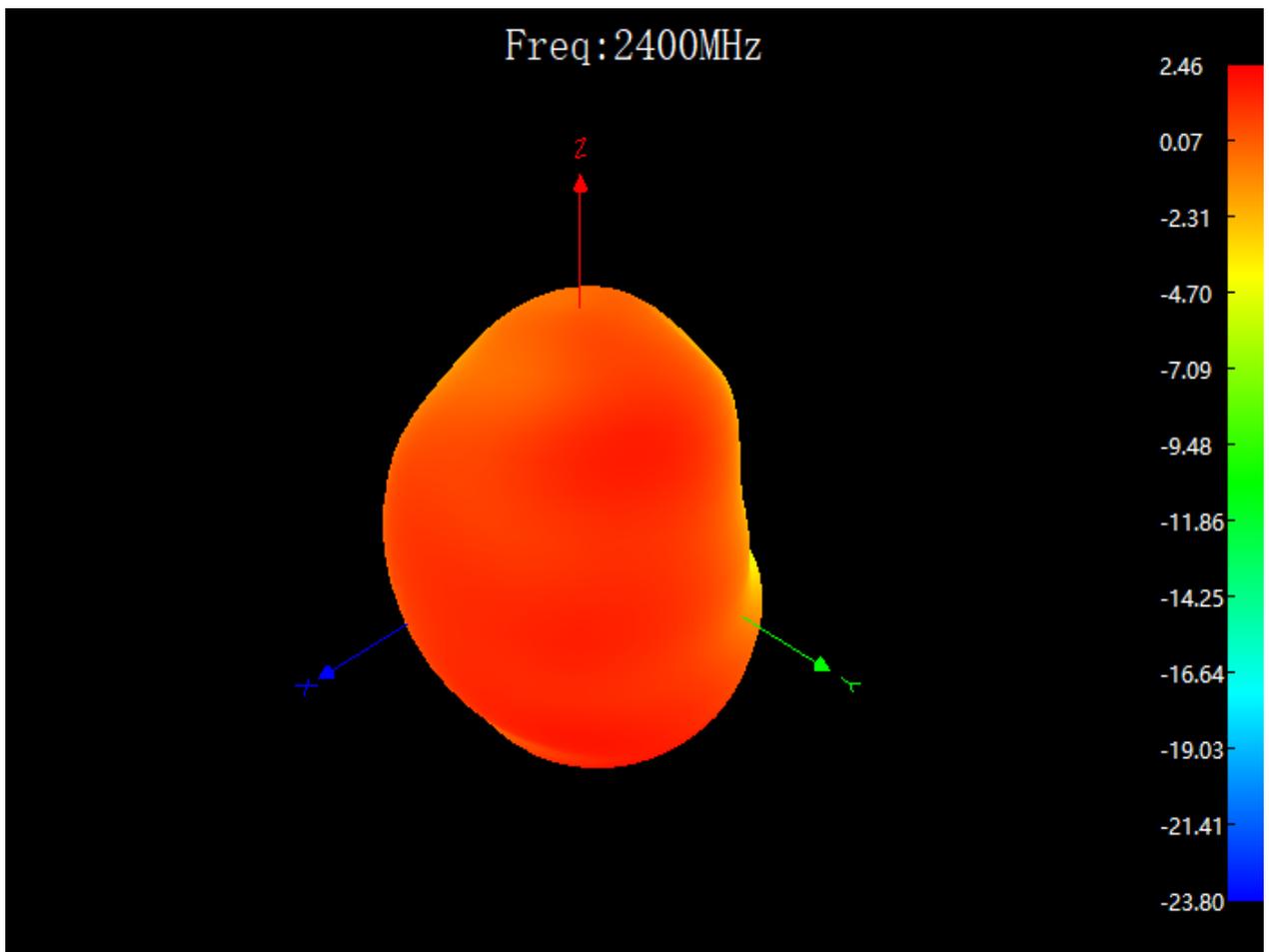
### 3. *Antenna Passive Test*



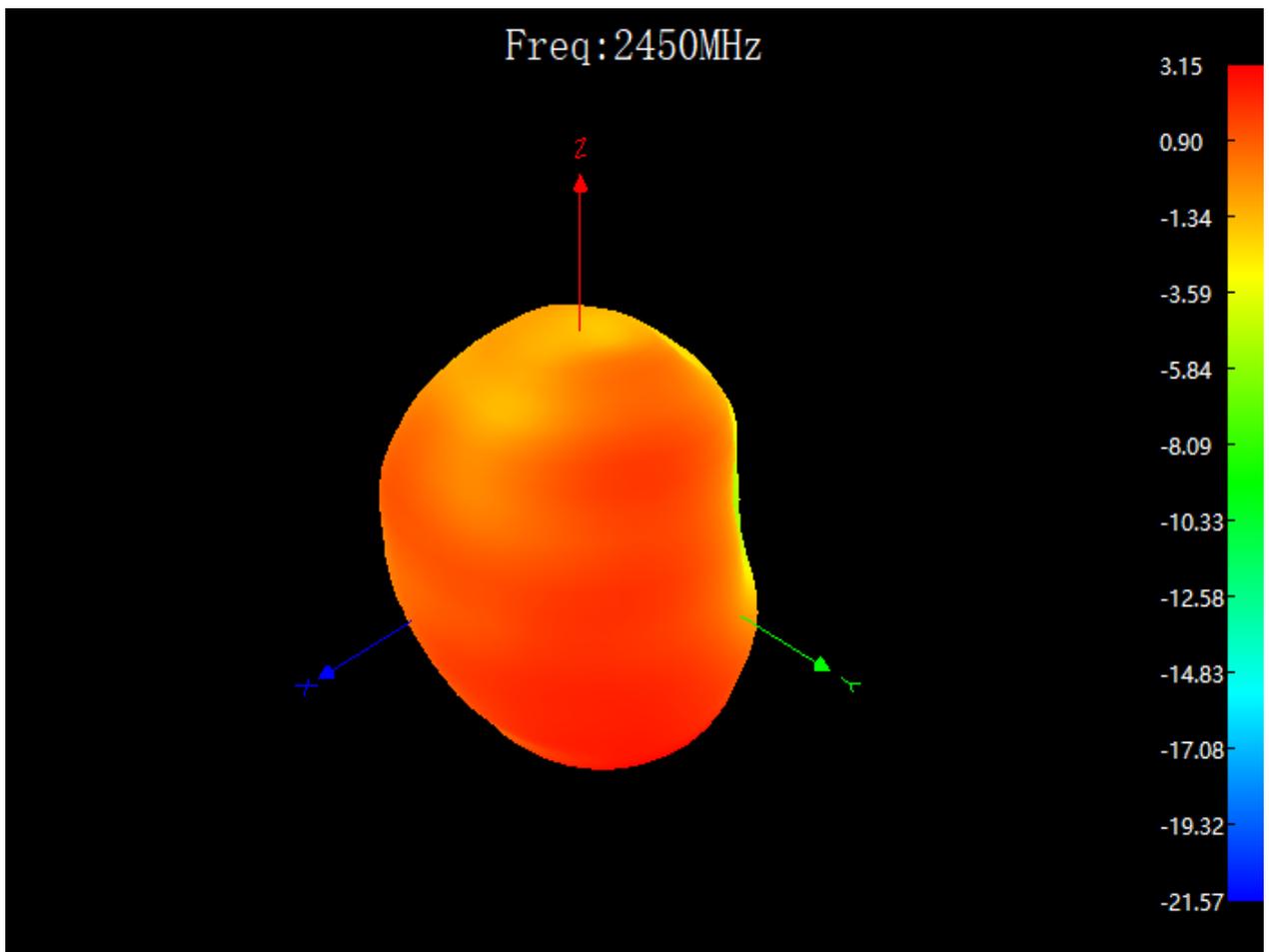
### Passive Test For 2.4G Antenna

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	49.1	-3.1	2.5
2410	45.3	-3.4	2.3
2420	41.8	-3.8	2.3
2430	42.3	-3.7	2.6
2440	44.1	-3.6	2.9
2450	47.5	-3.2	3.2
2460	46.1	-3.4	3.1
2470	40.9	-3.9	2.7
2480	44.9	-3.5	3.2
2490	45.3	-3.4	3.1
2500	46.6	-3.3	3.3

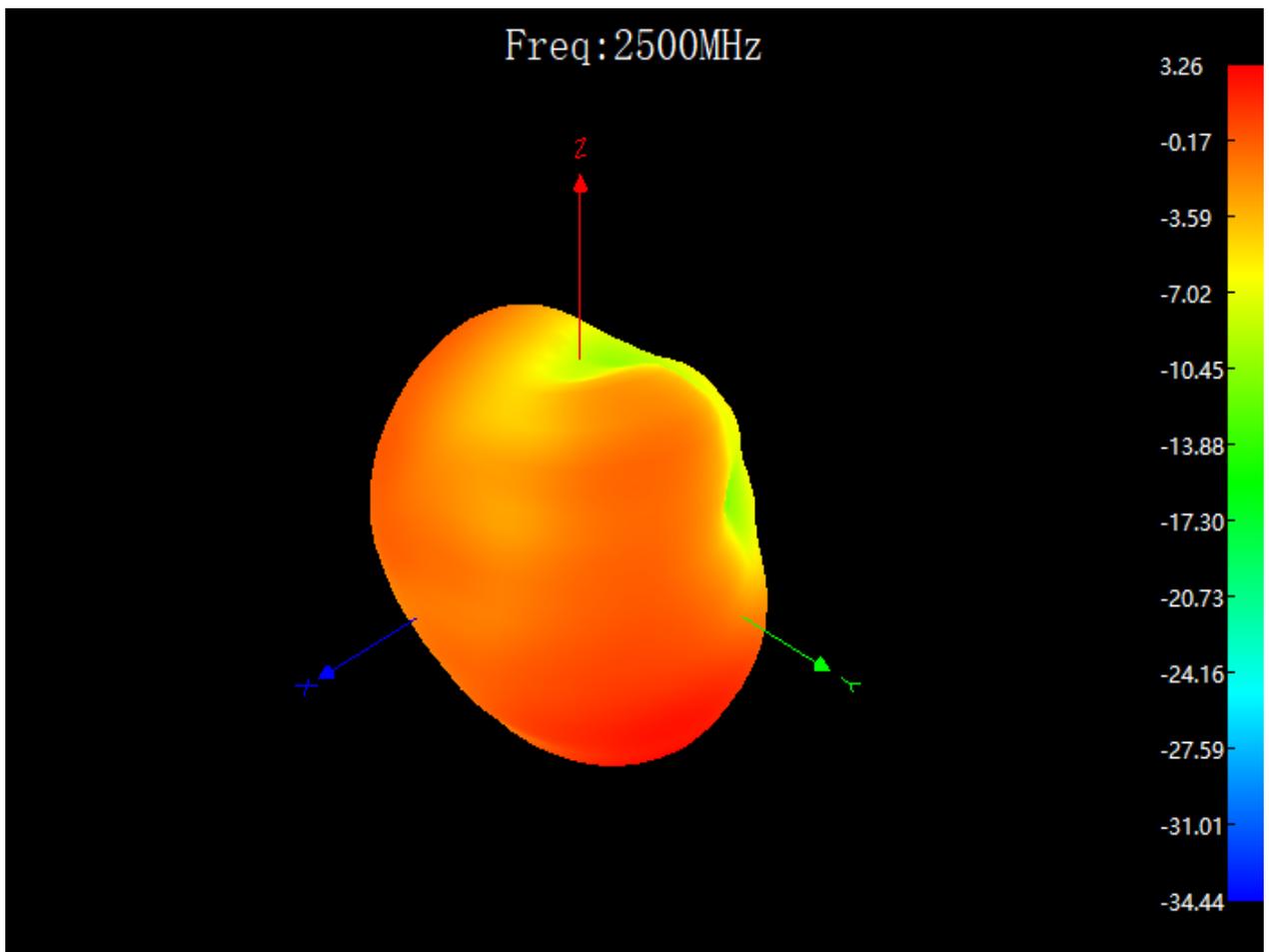
## Radiation Pattern For 2.4G Antenna(2400MHz)



## Radiation Pattern For 2.4G Antenna(2450MHz)

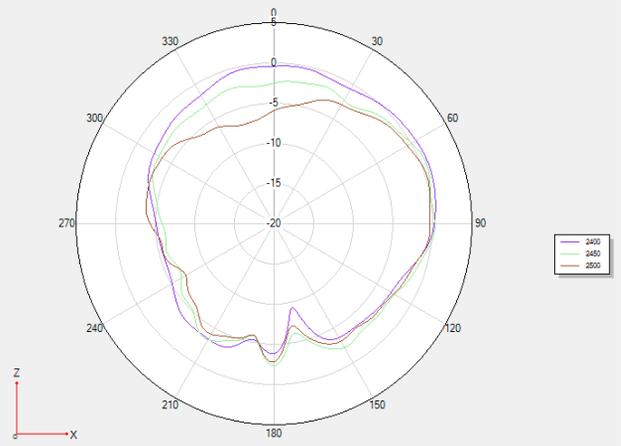


## Radiation Pattern For 2.4G Antenna(2500MHz)

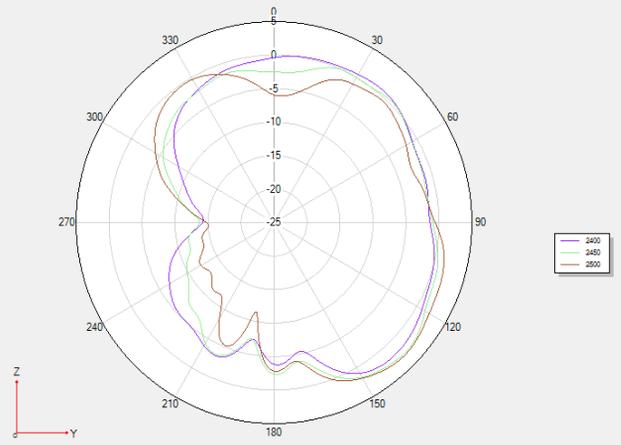


## Radiation Pattern For 2.4G Antenna

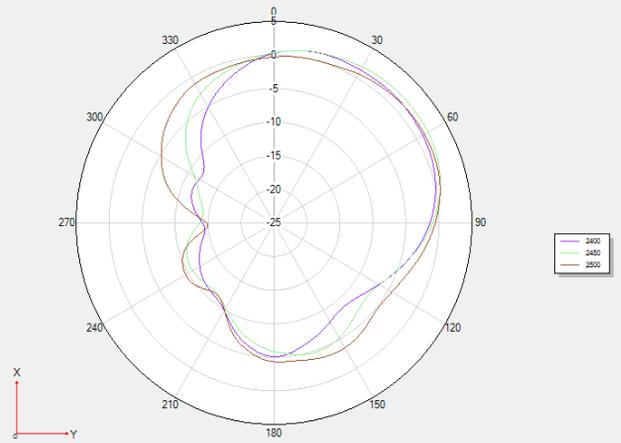
Phi 0°



Phi 90°



Theta 90°



## 4. Assembly Picture

**2.4G Antenna**

