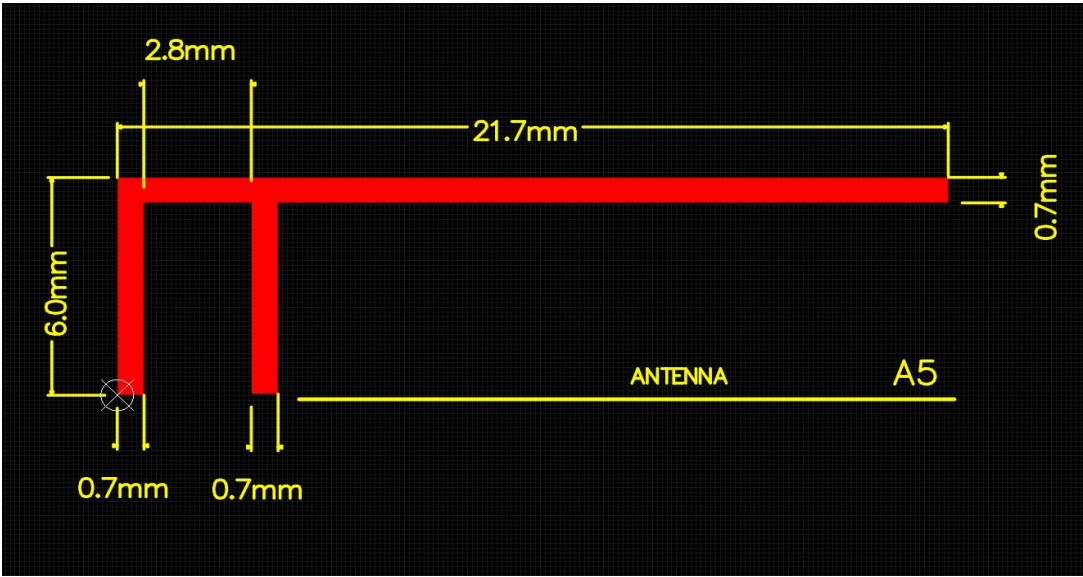


2. 4GHZ INVERTED-F ANTENNA ON BOARD specification

I. Electrical Parameters:

Electrical technical parameters			
Electrical performance indicators		Electrical Specifications	
Frequency range	2400-2500MHz	Frequency Range	2400-2500MHz
voltage standing-wave ratio	< 1.92	VSWR	< 1.92
input impedance	50 Ω	Input Impedance	50 Ω
direction	omnidirectional	Direction	All
gain	1.8±1dBi	Gain	1.8±1dBi

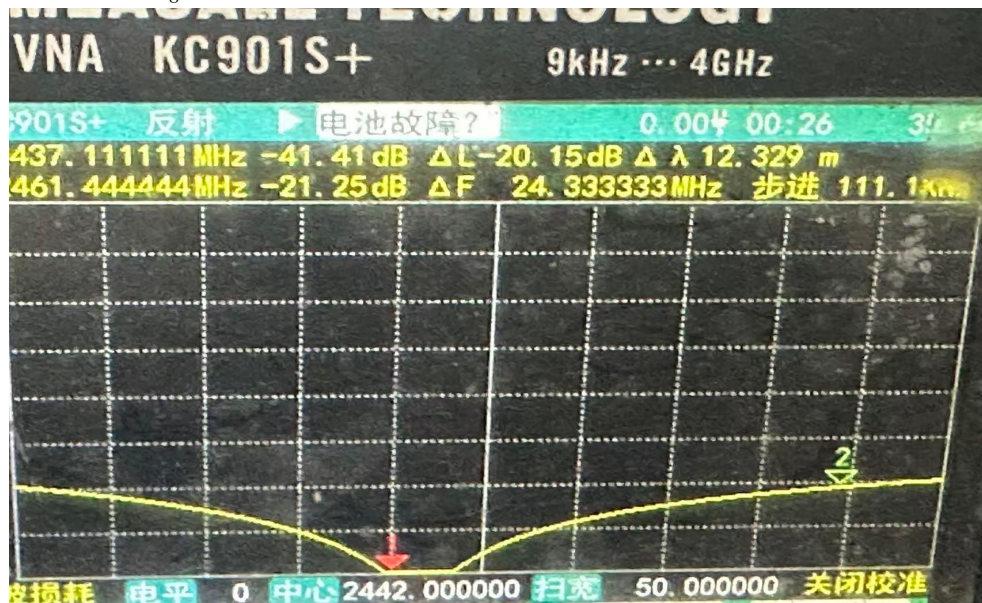
Antenna type: PCB antenna
Two-dimensional drawing



III. Smith Chart:



IV. RETURN LOSS Diagram:

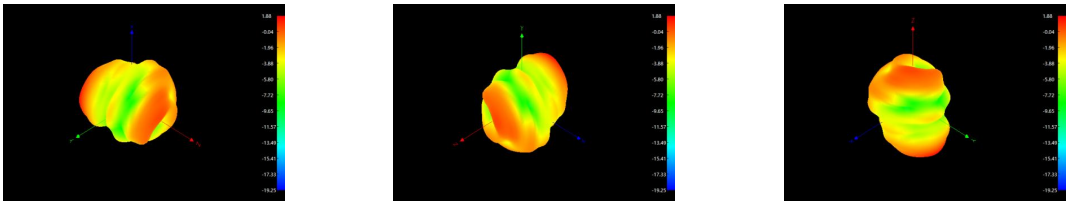


Five. 2D,3D TEST DATA:

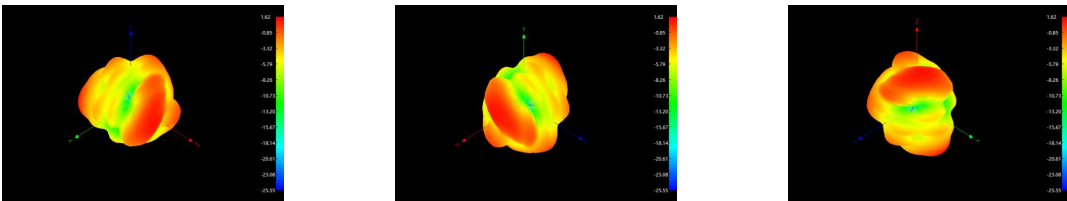
Frequenc y	Efficienc y (%)	Gain.(dB i)
2400MH	52.36	1.88
2410MH	55.08	1.65
2420MH	54.33	1.75
2430MH	47.75	1.73
2440MH	49.89	1.59
2450MH	48.31	1.62
2460MH	50.12	1.69
2470MH	48.35	1.47
2480MH	47.27	1.55
2490MH	45.36	1.41
2500MH	46.88	1.65

Vi. 3D Diagram

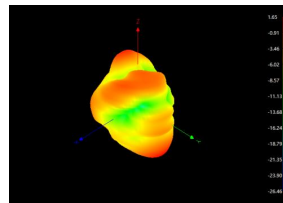
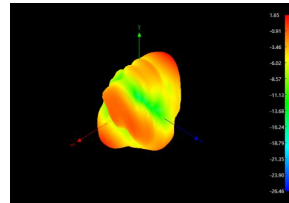
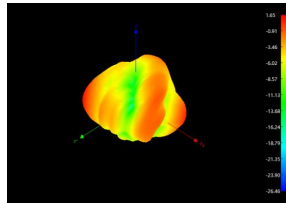
3D 2400 MHZ:



3D 2450 MHZ:



3D 2500 MHZ:



Seven 2D Diagrams

Phi 0 2D diagram: Phi 90 2D diagram Theta 90 2D diagram

Phi 0 2D diagram: Phi 90 2D diagram Theta 90 2D diagram

Phi 0 2D diagram: Phi 90 2D diagram Theta 90 2D diagram

