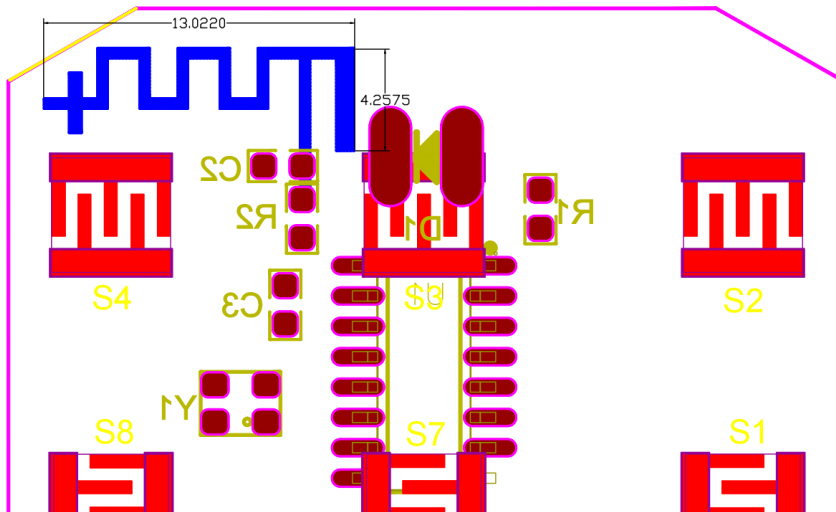


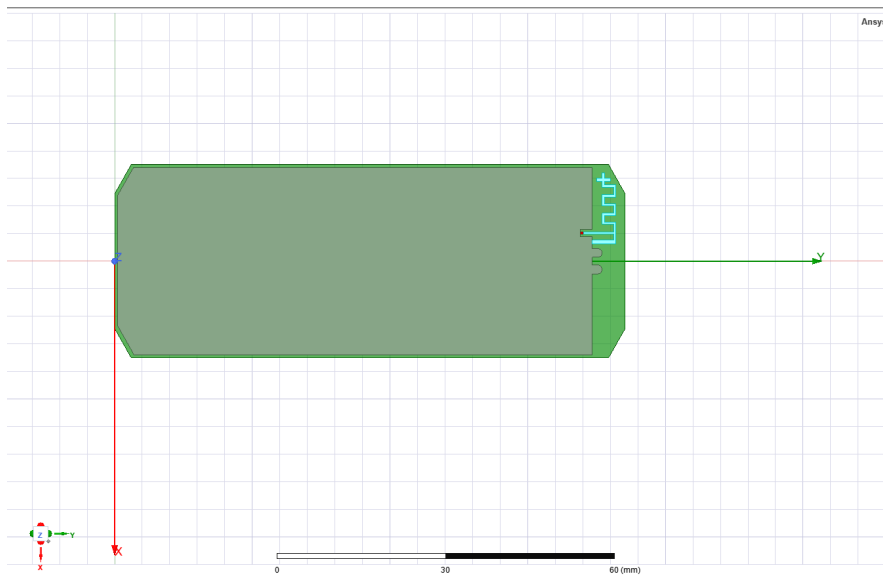
RF3 Antenna Specifications

1. Antenna location and size (mm) :

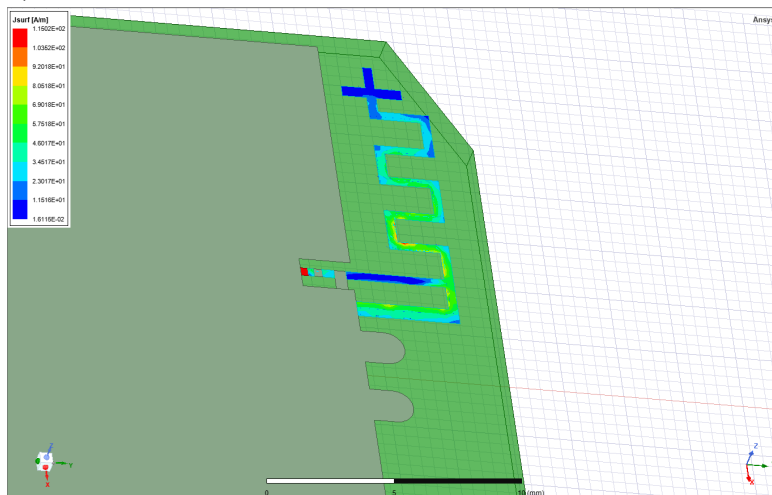


2. Antenna simulation Report:

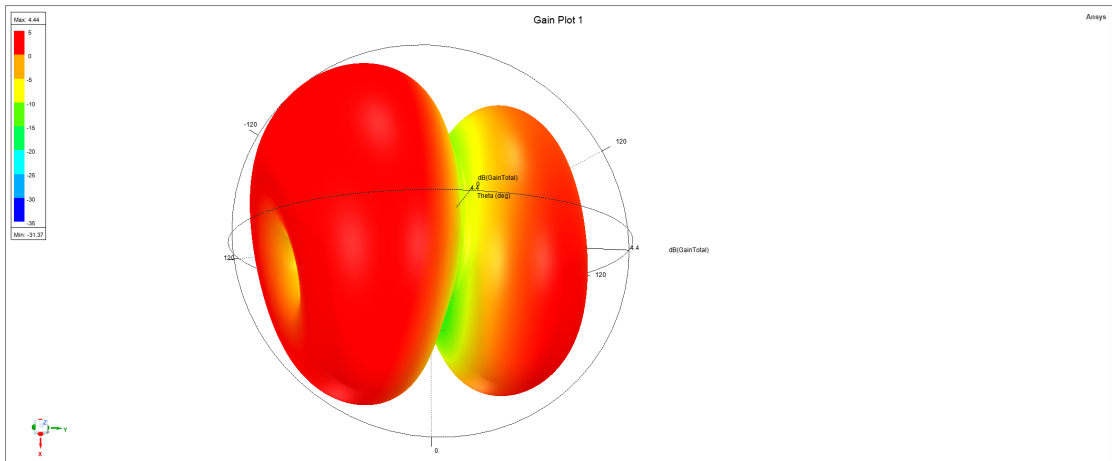
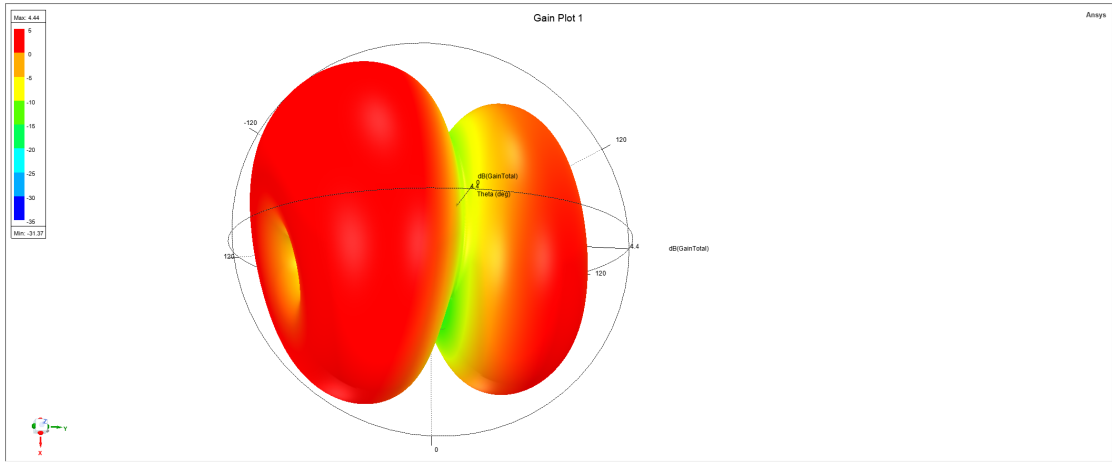
1) Antenna Simulation Model :



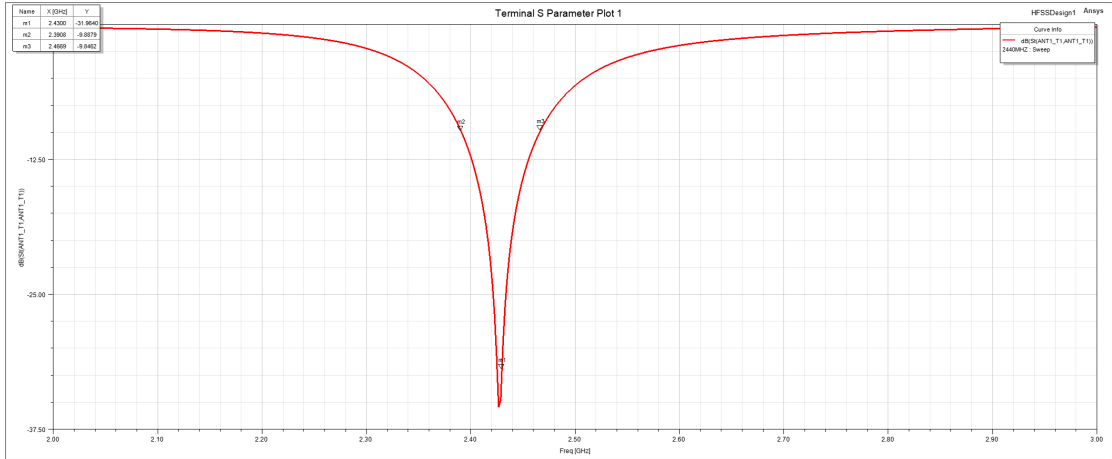
2) Antenna Surface Current Distribution :



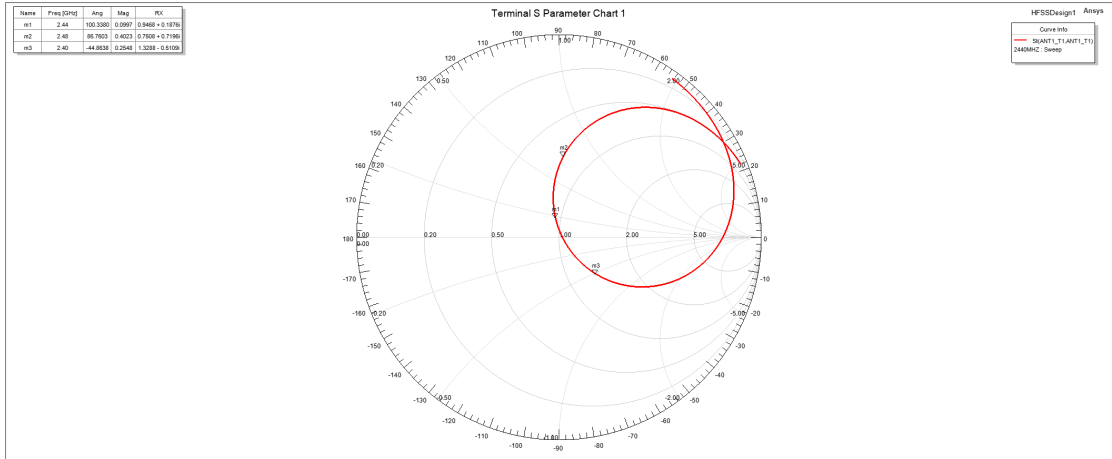
3) Antenna 3D Radiation Pattern



4) Antenna S11 Parameter

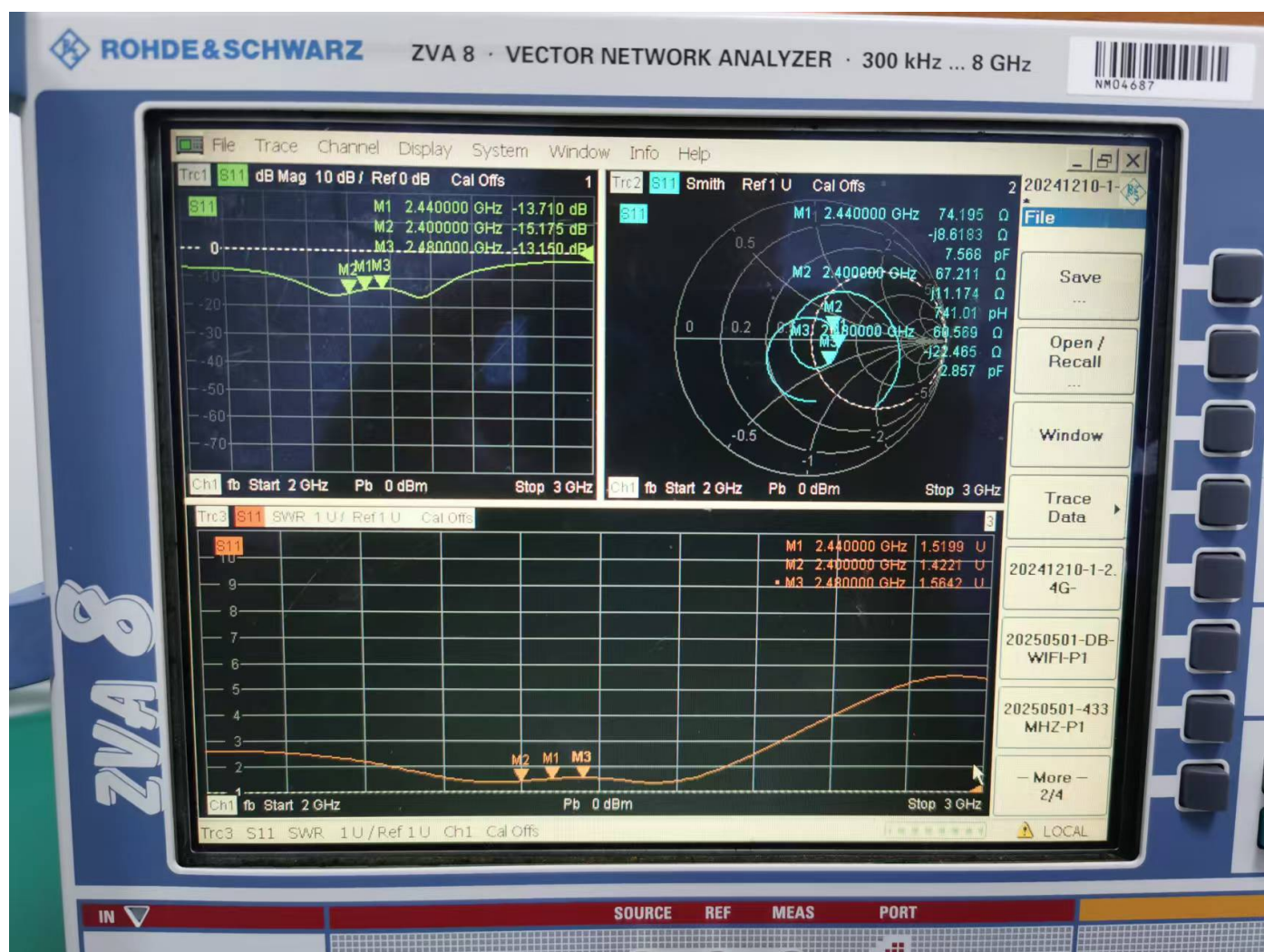


5) Antenna Impedance Plot



3.Test Report:

1) Antenna Smithchart ,VSWR and Return Loss:



4.Basic Characteristics:

A.Electrical Characteristics:	
Frequency	2400~2500 MHz
S.W.R.	≤ 2.0
Max.Gain	4.448dBi
Efficiency	80% - 84%
Polarization	Linear
Impedance	50 Ohm
B.Material & Mechanical Characteristics:	
Material of Radiator	PCB
Cable Type	NONE
Connector Type	NONE
Pull Test	/
C.Environmental:	
Operation Temperature	-20°C~+60°C
Storage Temperature	-40°C~+80°C

5.Gain and Efficiency:

frequency (GHz)	2.4	2.41	2.42	2.43	2.44	2.45	2.46	2.47	2.48	2.49	2.5
efficiency (%)	80.43	80.83	81.22	81.61	81.98	82.34	82.69	83.03	83.36	83.67	83.98
Gain (dBi)	4.415	4.422	4.428	4.433	4.437	4.441	4.444	4.446	4.448	4.449	4.449