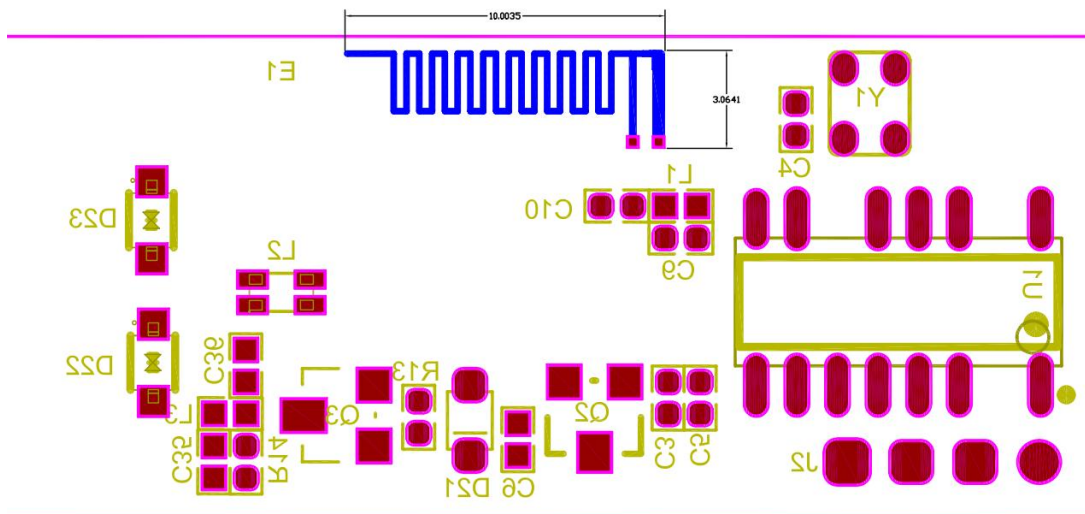


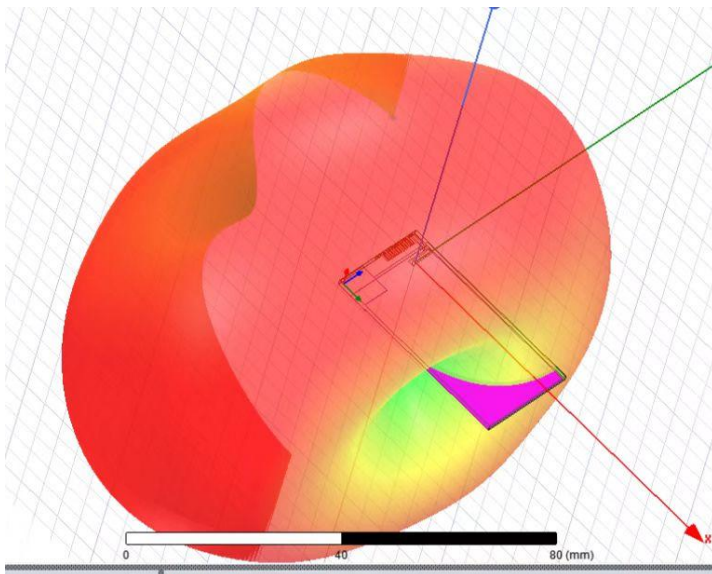
DynamicBar Antenna Specifications

1. Antenna location and size (mm) :

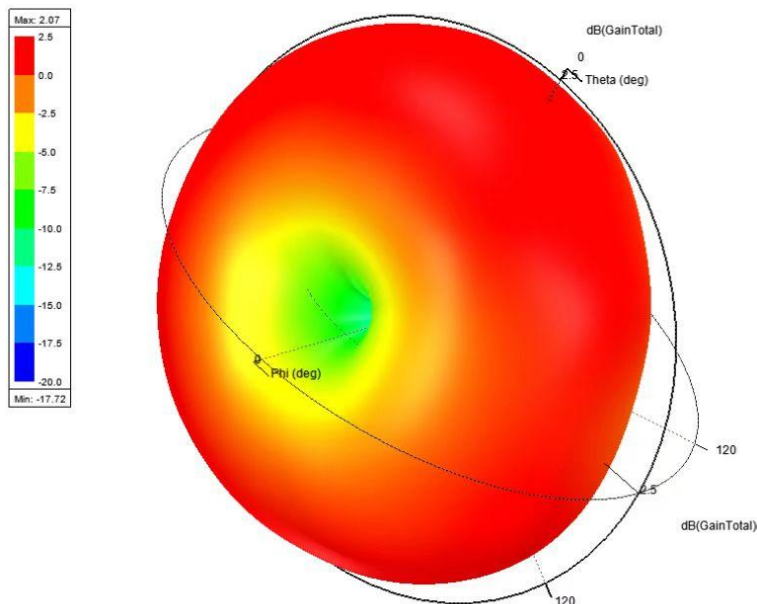


2. Antenna simulation Report:

1) Antenna and antenna radiation pattern:



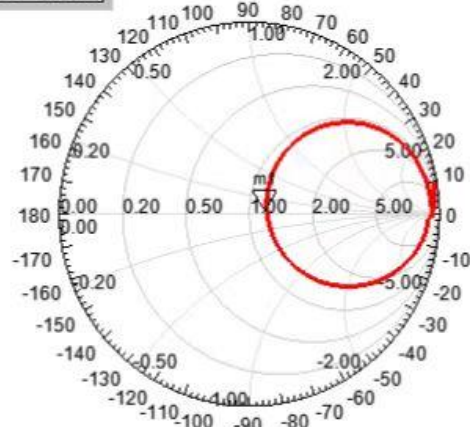
2) Antenna radiation pattern and gain pattern: :



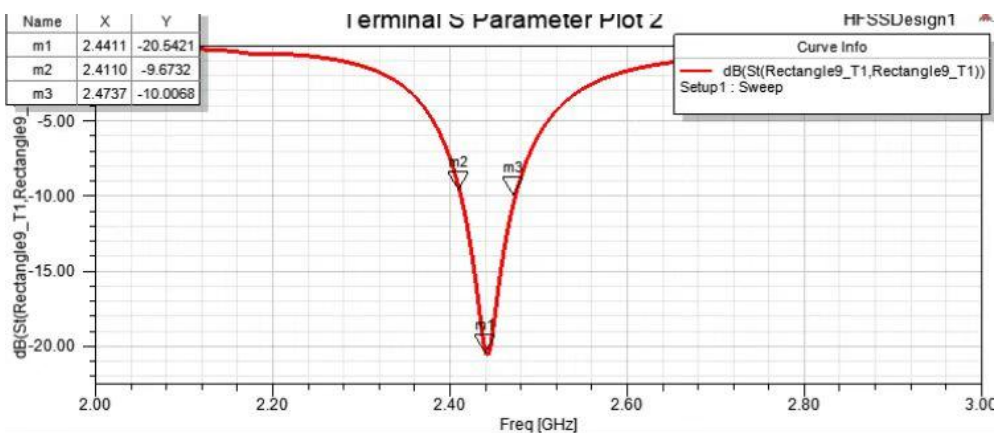
3) Smithchart:

Name	Freq	Ang	Mag	RX
m1	2.4436	13.4137	0.0942	1.2005 + 0.0530i

Terminal S Parameter Chart 1

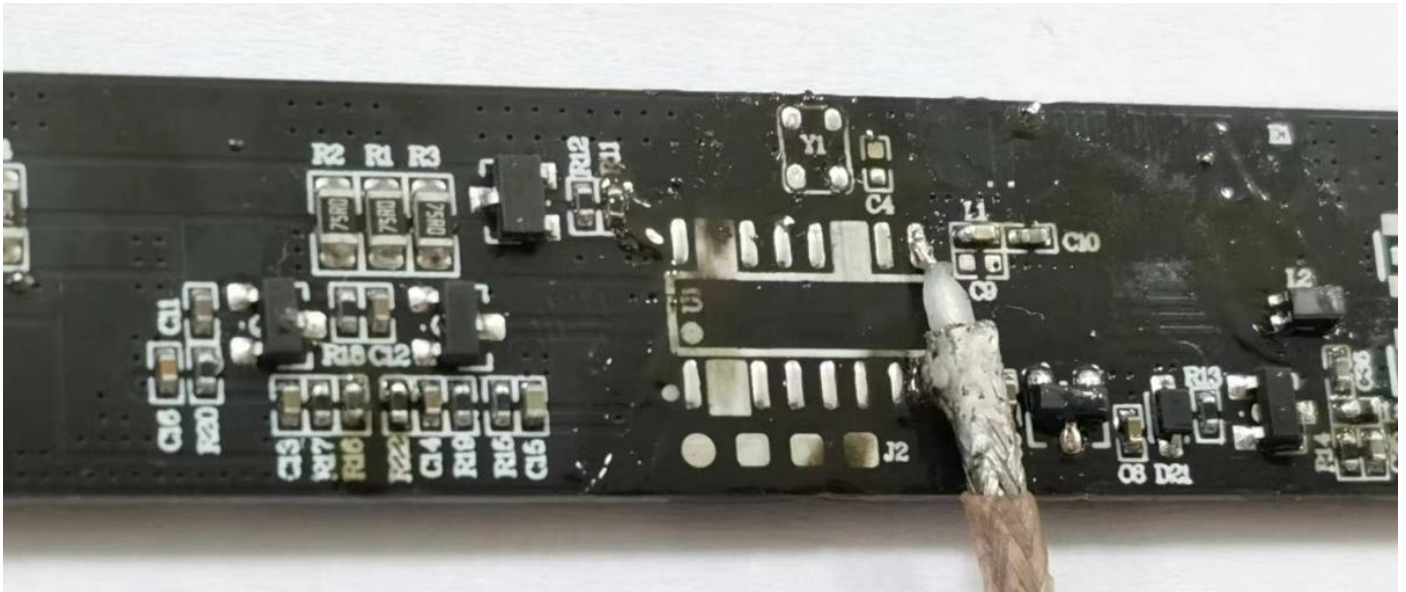


4) S Parameter Plot:

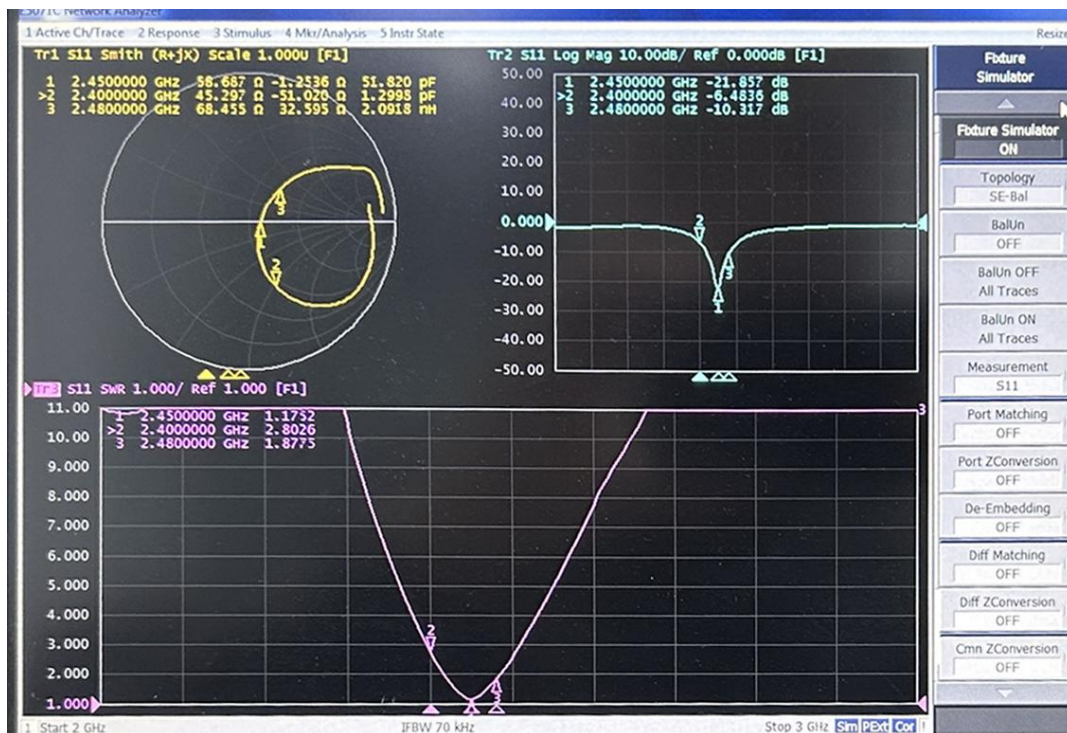


3.Test Report:

1)Appearance :



2)Antenna Smithchart ,VSWR and Return Loss:



4.Basic Characteristics:

A.Electrical Characteristics:	
Frequency	2400~2500 MHz
S.W.R.	≤ 2.5 @2400~2500 MHz
Max.Gain	1.32 dBi @2400~2500 MHz
Efficiency	40~50% @2400~2500 MHz
Polarization	Linear
Impedance	50 Ohm

B.Material & Mechanical Characteristics:	
Material of Radiator	PCB
Cable Type	0.D.1.13 mm//112mm (gray)
Connector Type	NONE
Pull Test	/
C.Environmental:	
Operation Temperature	-40℃~+65℃
Storage Temperature	-40℃~+80℃

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（%）	48.96	51.76	55.12	60.09	62.9	63.08	67.51	67.74	67.76	66.47	71.02
Gain（dBi）	1.03	1.18	1.31	1.12	1.2	0.98	1.23	1.3	1.32	1.3	1.13