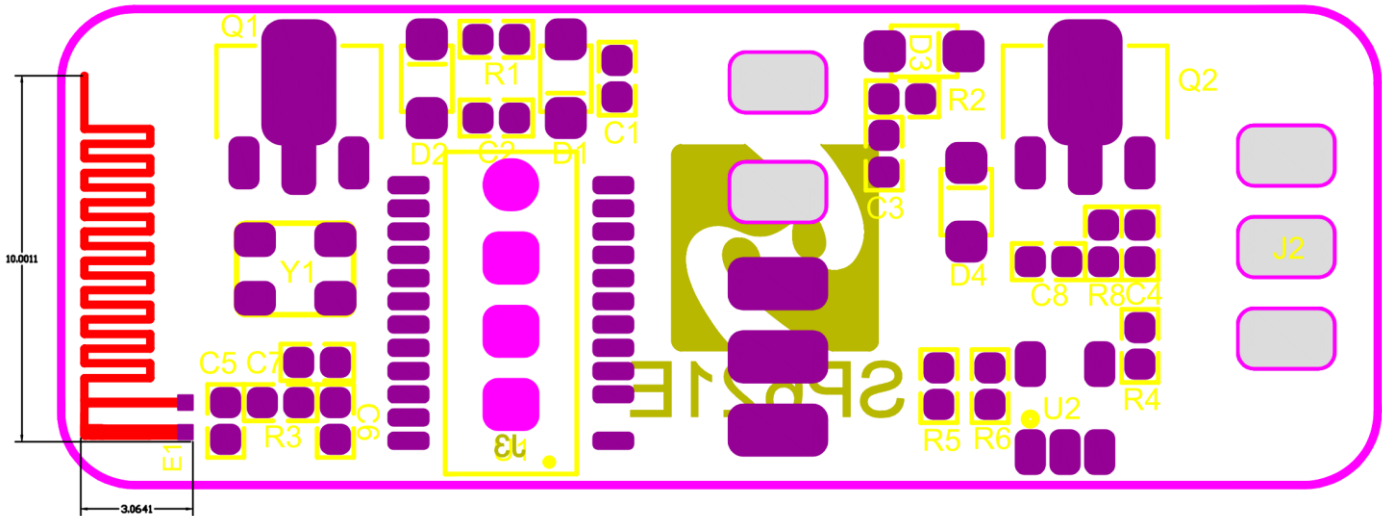


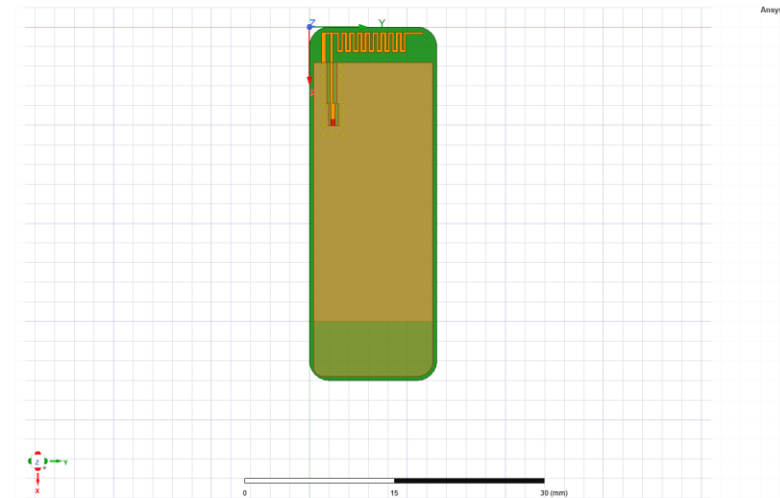
SP621E Antenna Specifications

1. Antenna location and size (mm) :

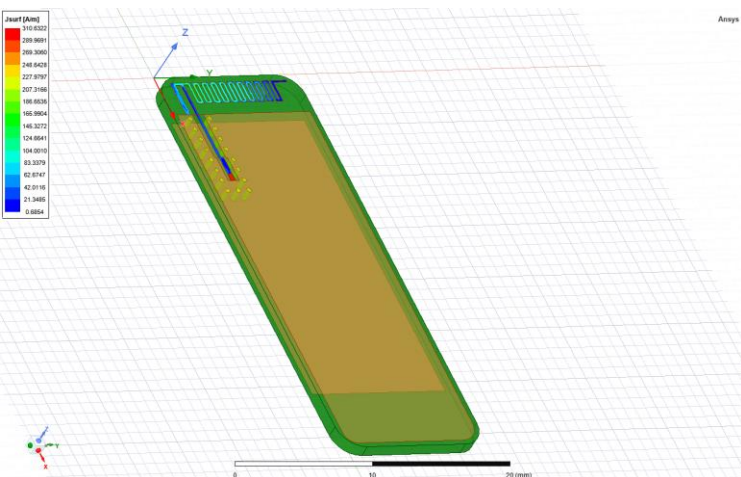


2. Antenna simulation Report:

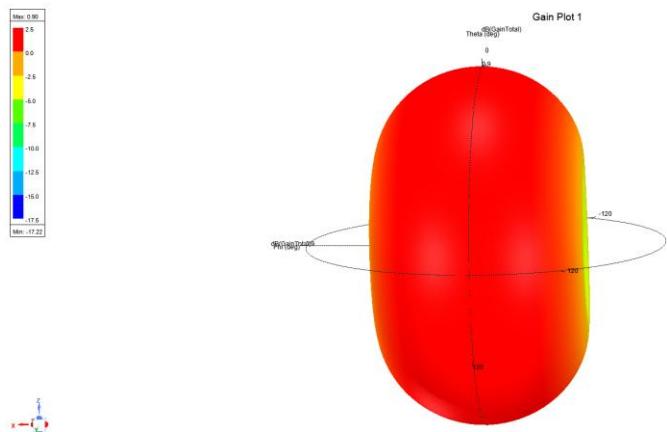
1) Antenna surface current distribution :



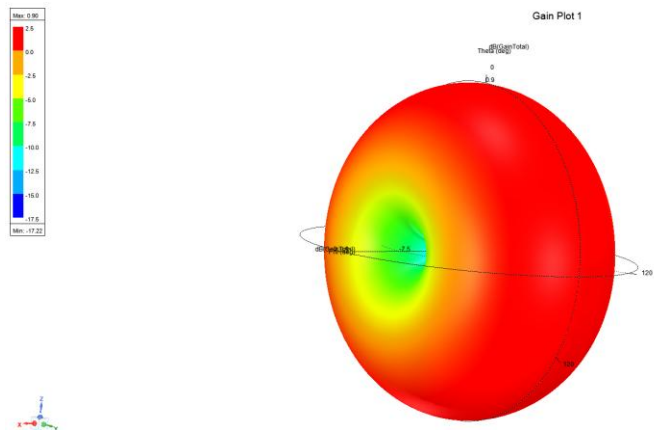
2) Antenna and antenna radiation pattern:



3)Antenna radiation pattern and gain pattern: :

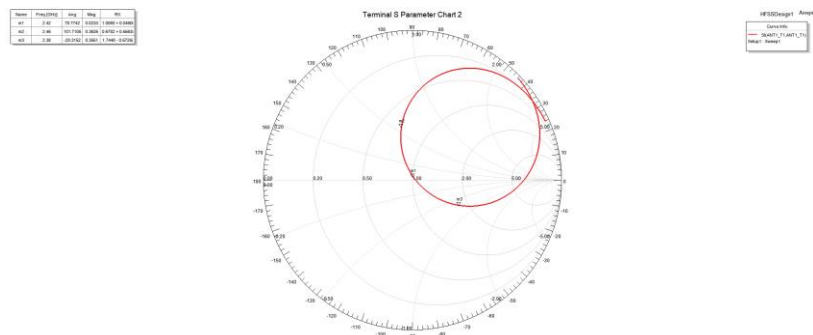


Antsys

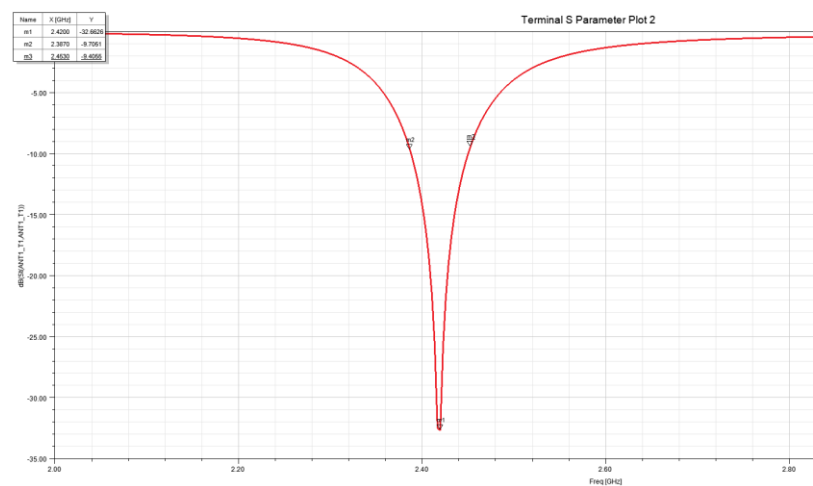


Antsys

4)Smithchart:



5)S Parameter Plot:



3.Test Report:

Antenna Smithchart ,VSWR and Return Loss:



4.Basic Characteristics:

A.Electrical Characteristics:	
Frequency	2400~2500 MHz
S.W.R.	≤ 2 @2400~2500 MHz
Max.Gain	1.13 dBi @2400~2500 MHz
Efficiency	53~74%@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°C~+65°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 (%)	65.43	69.53	72.44	73.89	73.81	72.30	69.61	66.07	62.02	57.75	53.47
Gain (dBi)	0.870	0.903	0.934	0.964	0.992	1.018	1.043	1.067	1.088	1.109	1.128