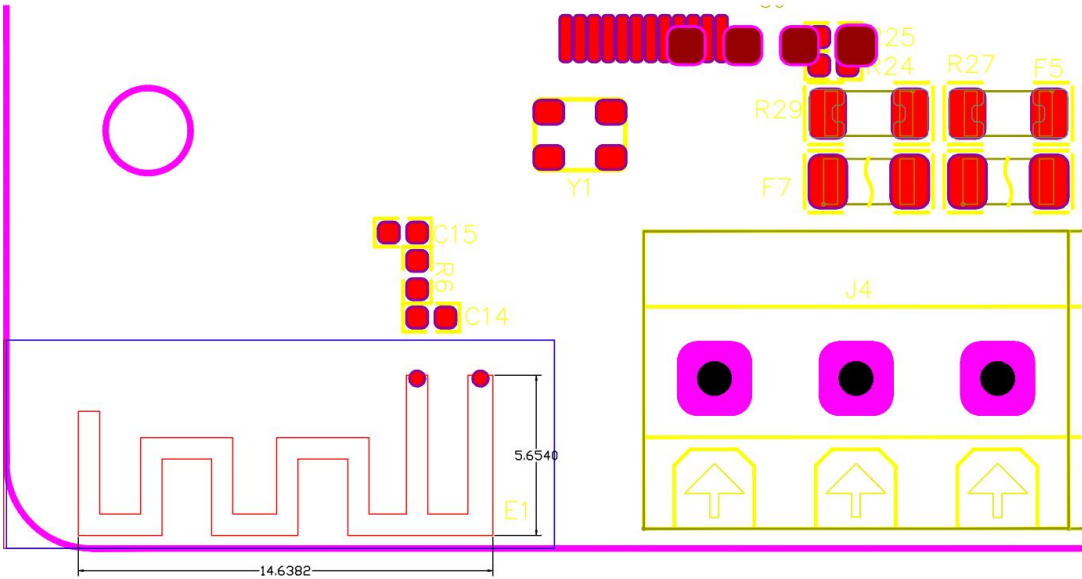
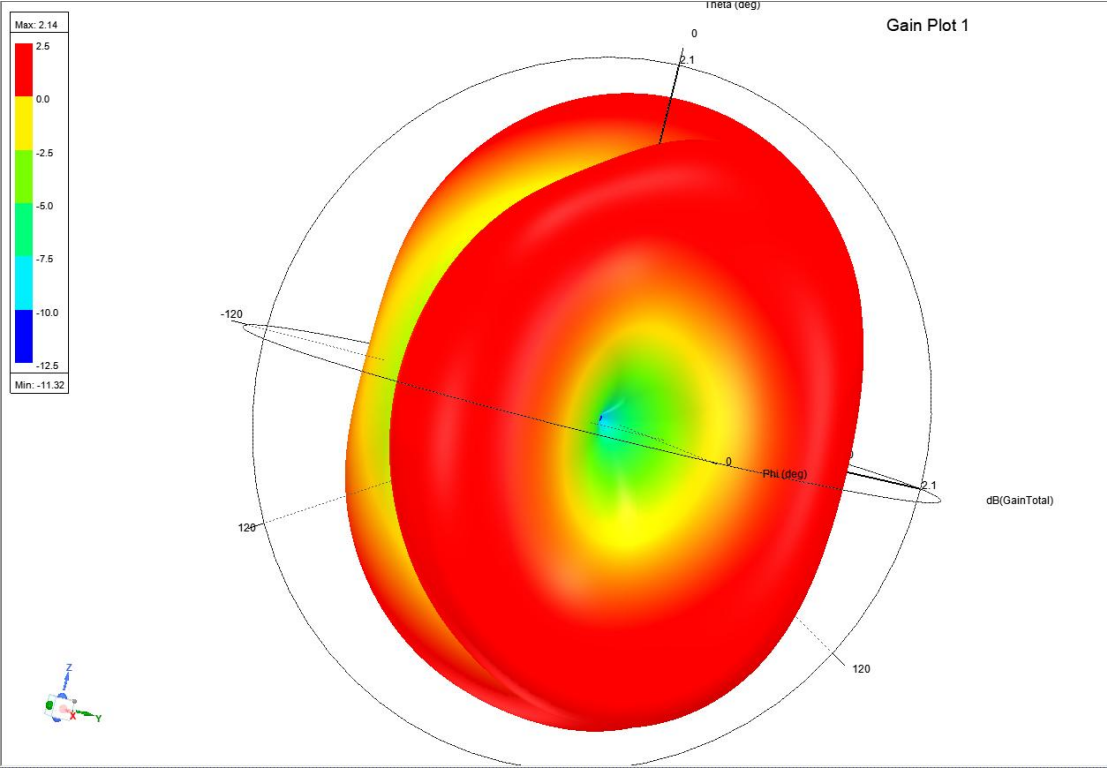


SP202E Antenna Specifications

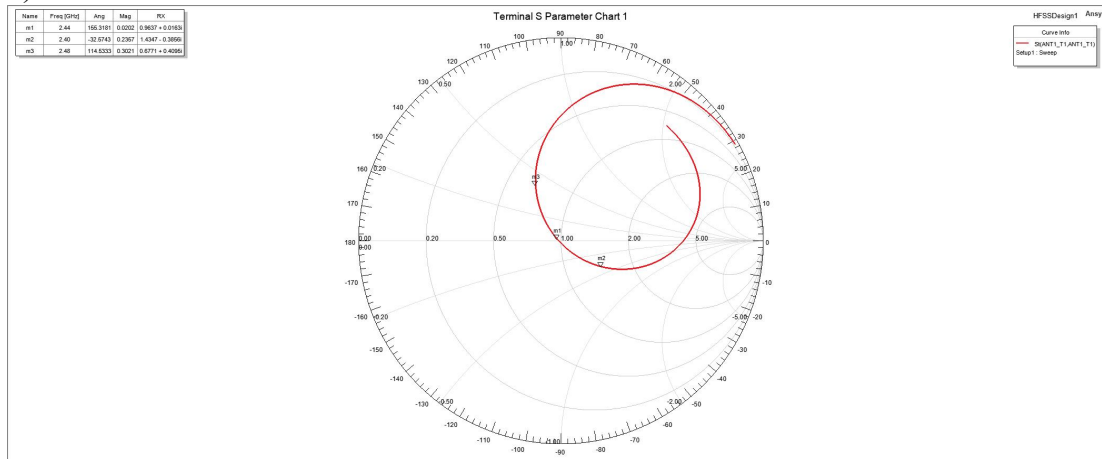
1) Antenna location and size (mm) :



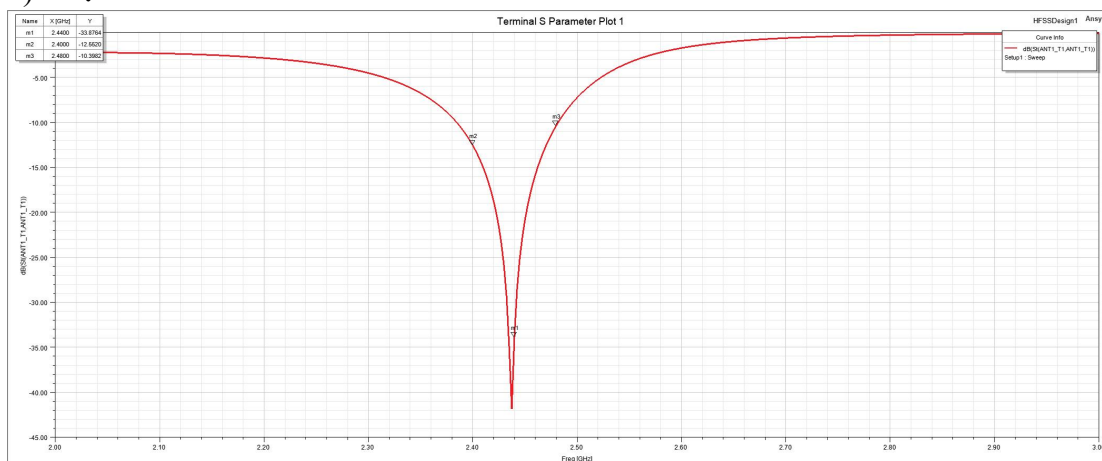
2)Antenna 3D radiation pattern:



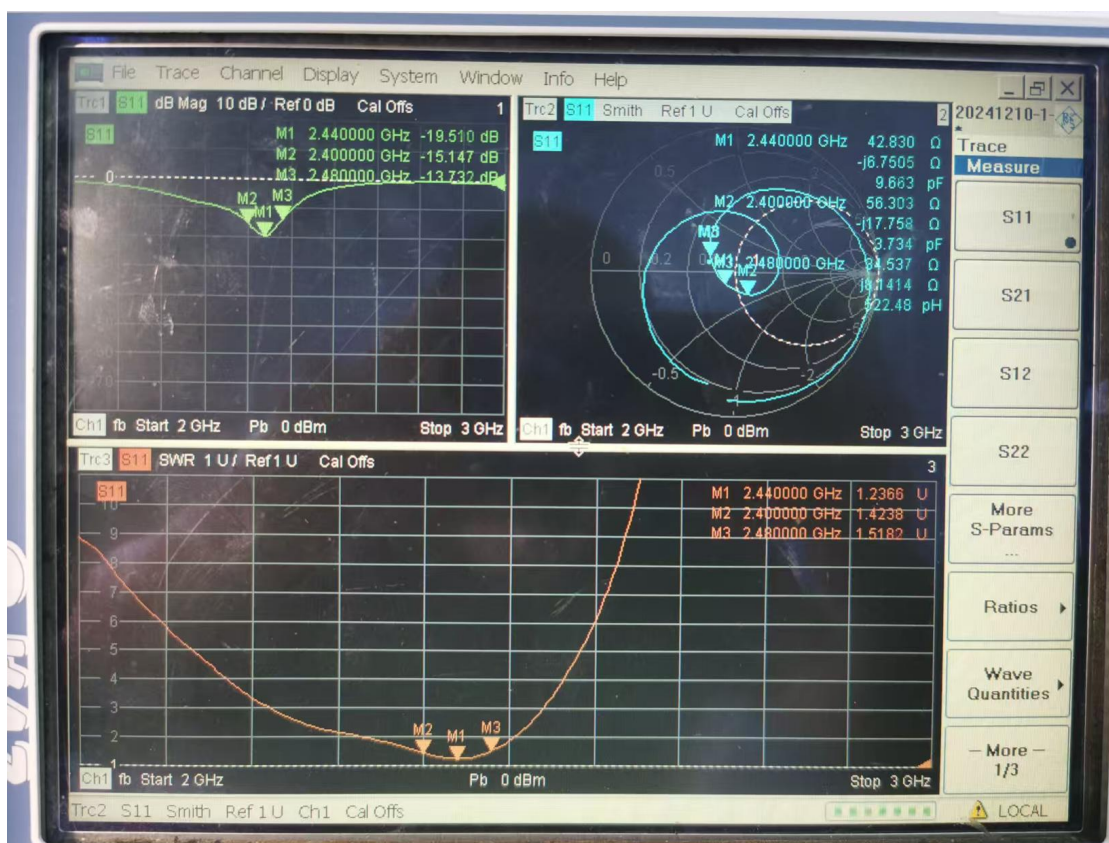
3) Smithchart:



4) S11:



5) Test Report



6) Basic Characteristics:

Electrical Characteristics:	
Frequency	2400~2500 MHz
S.W.R.	≤ 1.52 @2400~2500 MHz
Max.Gain	2.14 dBi @2400~2500 MHz
Efficiency	82~87%@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

7) 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 (%)	87.08	86.71	86.33	85.92	85.50	85.06	84.60	84.12	83.62	83.10	82.57
Gain (dBi)	2.03	2.01	2.14	2.14	2.13	2.11	2.08	2.06	2.03	2.00	1.98

Manufacturer:Shenzhen Sperll Optoelectronic Technology Co., Ltd.

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