



德圖 T174

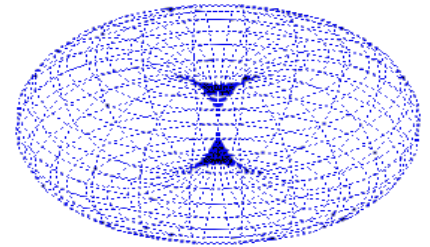
Engineer : Ben

Report date : 2024/07/19 REV.3



Executive Summary

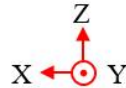
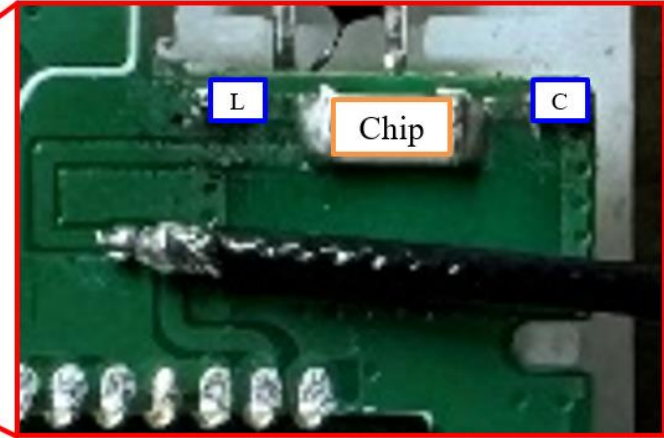
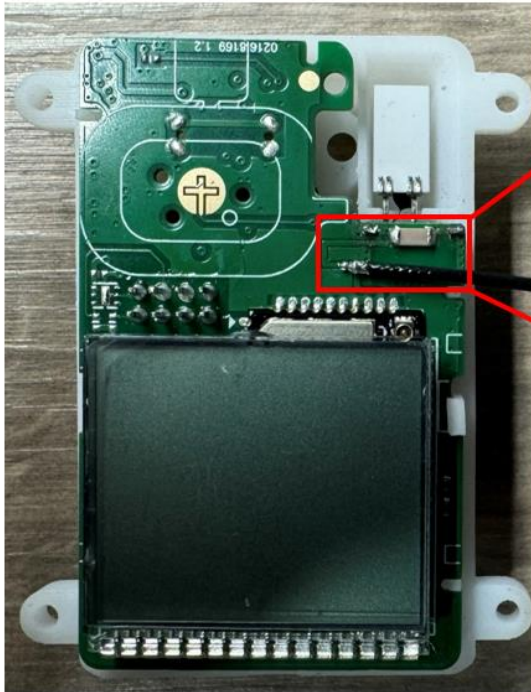
- **Revision History**
- **Antenna Specification**
- **Antenna Photo**
- **S-Parameter Result**
- **Peak Gain 、 Efficiency Result**
- **Conclusion & Recommendations**



Revision History

Revision	Date	Engineer	Description
01	2024/06/19	Ben	New Release.
02	2024/07/09	Ben	Tuning On Board.
03	2024/07/19	Ben	Tuning for inductance=1nH.

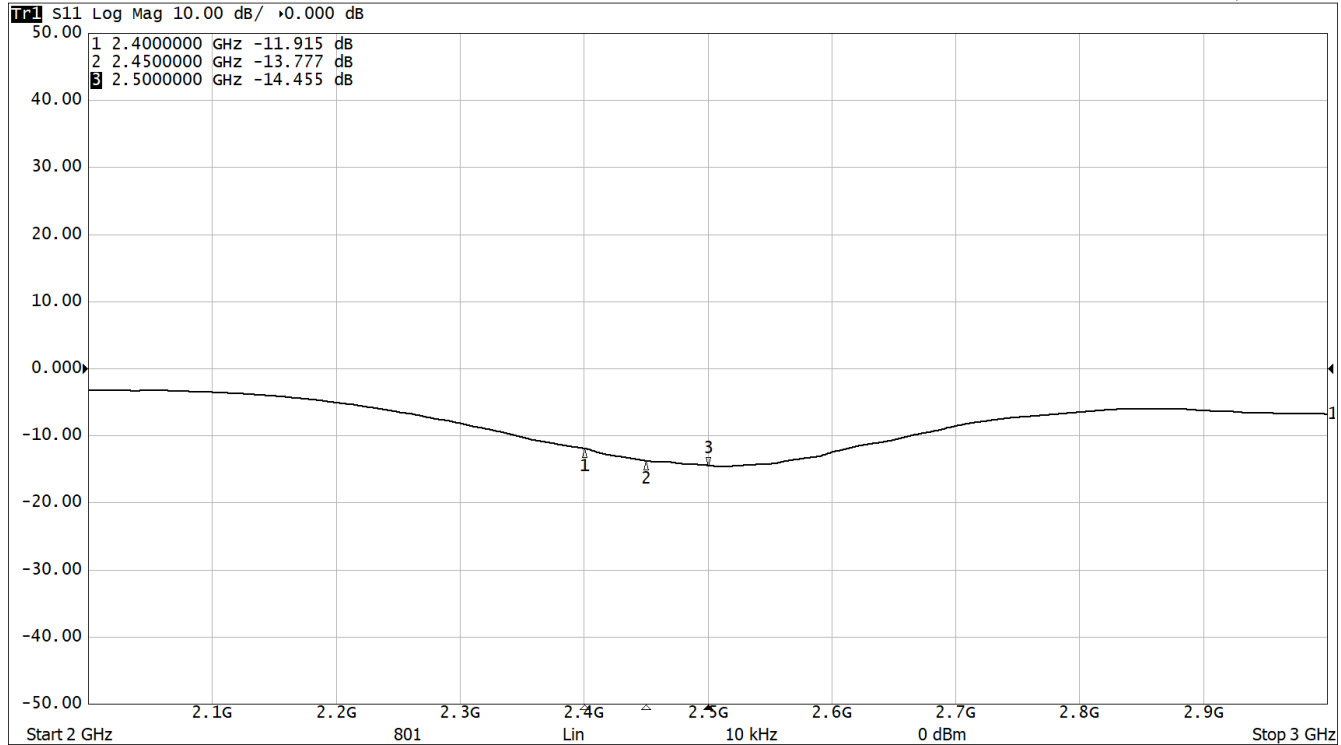
Antenna Photo



Item	Value
C	1.2pF
L	1nH

S-Parameter Result

2024/7/19 上午 09:36:53

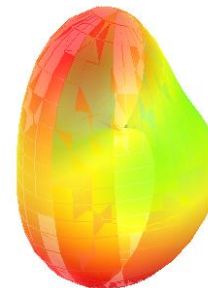
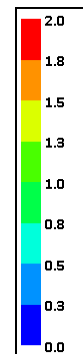


S-Parameter Result

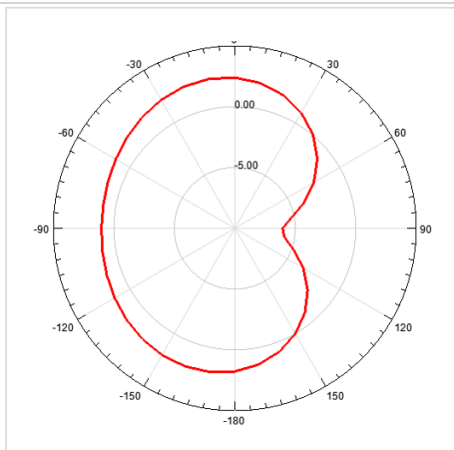
Frequency (GHz)	Peak Gain (dBi)	3D Radiation Efficiency (%)
2.4	-0.09	30
2.41	0.23	33
2.42	0.39	35
2.43	0.17	33
2.44	0.37	35
2.45	0.29	35
2.46	0.14	34
2.47	0.29	35
2.48	-0.02	33
2.49	0.07	34
2.5	-0.34	32

2D/3D Antenna Pattern

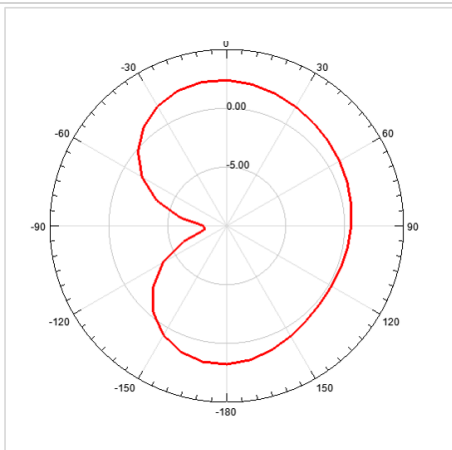
Frequency : 2450 MHz



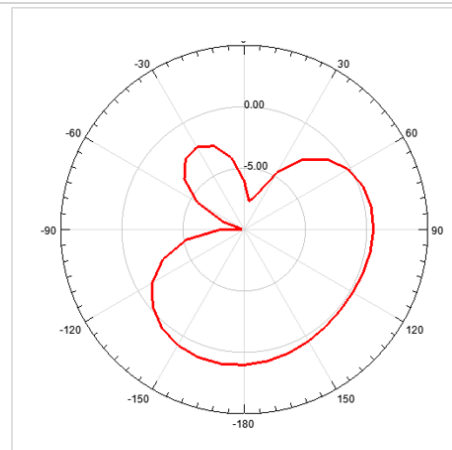
XZ-plane



YZ-plane



XY-plane



Far-field amplitude limits:

Max: 5dB

min: -10dB



創造完美連結

MAKING THE PERFECT CONNECTION

WIESON TECHNOLOGIES CO., LTD.

Address: 15F, No.237, Sec.1, Tatung Rd., Hsi Chih
Dist., New Taipei City, Taiwan, R.O.C.

www.wieson.com