



# 產品承認書

## Specification for Approval

客戶 (Customer): 訊舟科技股份有限公司

Customer Part No.: IC-3410SN

Product Description:

Lynwave Part No.: ALX23F-221AA0-00

客戶簽核 (Customer Approval)

客戶承認 Customer Approval	核准 (Authorized)	檢驗 (Approved)
	日期： 年 月 日	

內部簽核 (Signature)

日期： 2023 年 10 月 19 日

Approved by	Checked by	Tested by
<i>YungMing</i>	<i>Lisa Wei</i>	<i>Zero Chen</i>

綠億科技股份有限公司

**Lynwave Technology Ltd.**

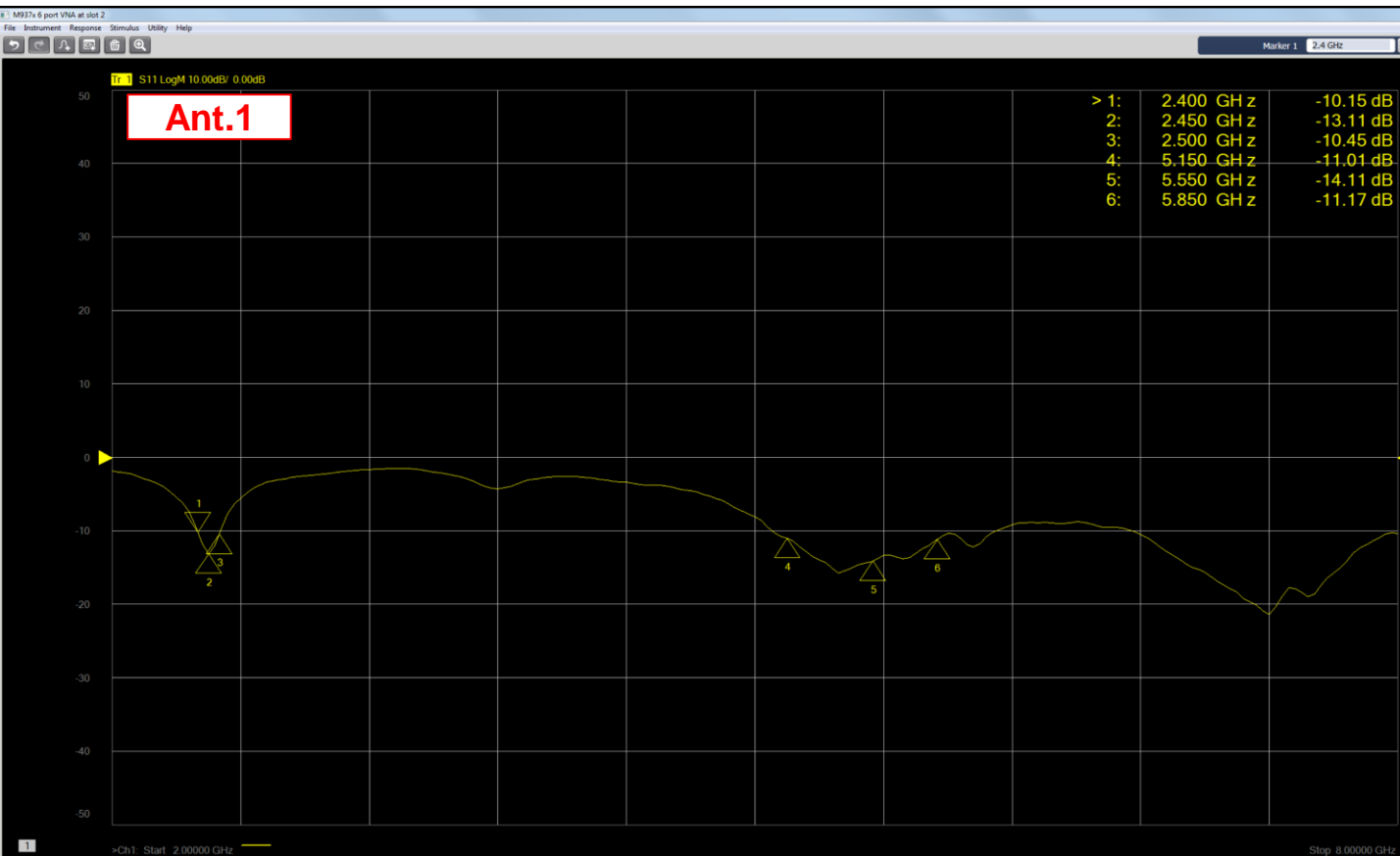
Taiwan: 新北市樹林區學成路 655 號 5 樓

5F., No.655, Xuecheng Rd., Shulin Dist., New Taipei City 238701,

Taiwan Tel: 02-35018700 Fax: 02-35019833

E-mail: service@lynwave.com

# S-parameters



## Gain Table

Ant.1						
Frequency(MHz)	2400	2450	2500	5150	5550	5850
Peak Gain(dBi)	4.5	4.5	4.3	5.5	5.5	5.3
Efficiency(%)	63	66	64	73	74	72

## The antenna characteristics

- Return loss < -10dB in operating band
- Efficiency
  - 2.4 GHz band  $\geq$  60%
  - 5 GHz band  $\geq$  60%
- Gain
  - 2.4 GHz : 4.3 ~ 4.5dBi
  - 5 GHz : 5.3 ~ 5.5dBi

## Equipment : Satimo

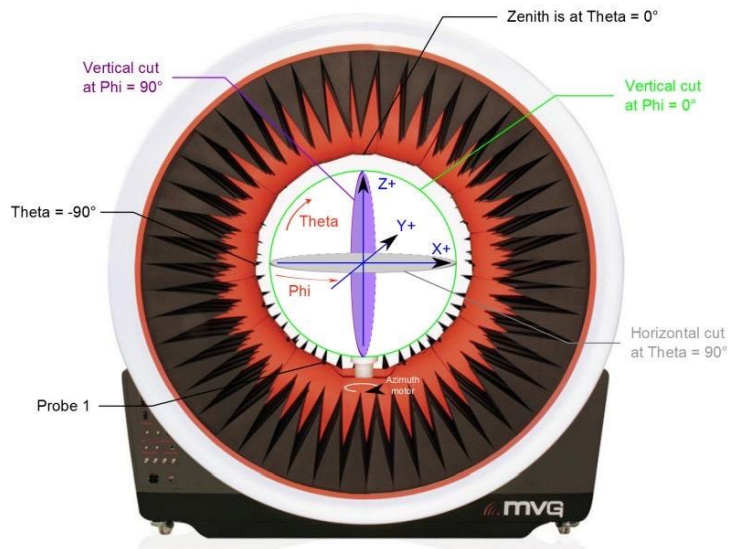
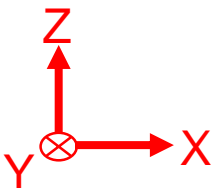


Figure 3.12: StarLab spherical coordinate system

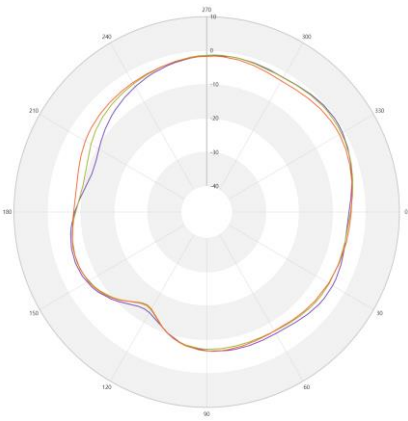


# Ant.1\_2GHz 2D Radiation Pattern

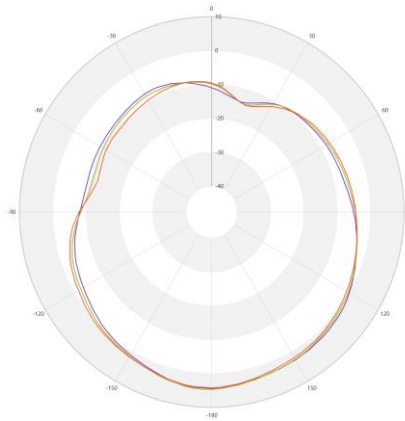
Frequency(MHz) : 2400~2500

Radiation Pattern :

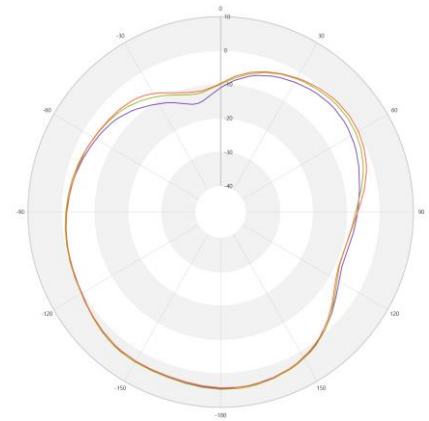
Azimuth Plane  
Theta = 90



Elevation Plane  
phi = 0



Elevation Plane  
phi = 90



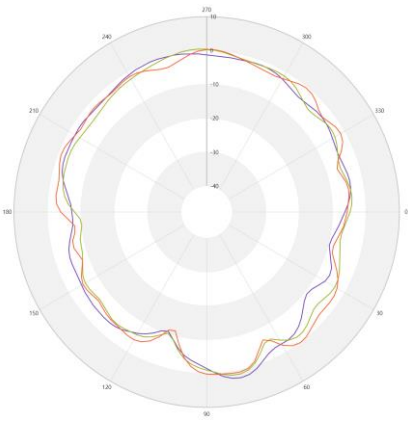
— 2400.00 MHz  
— 2450.00 MHz  
— 2500.00 MHz

# Ant.1\_5GHz 2D Radiation Pattern

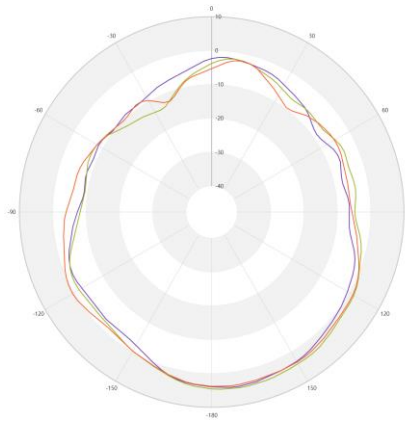
Frequency(MHz) : 5150~5850

Radiation Pattern :

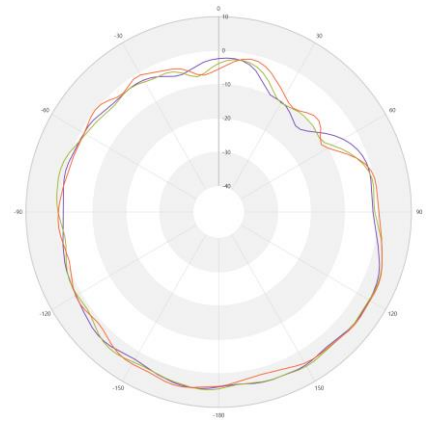
Azimuth Plane  
Theta = 90



Elevation Plane  
phi = 0



Elevation Plane  
phi = 90



— 5150.00 MHz  
— 5550.00 MHz  
— 5850.00 MHz