

# 承 認 書

## SPECIFICATION APPROVAL SHEET

品 名  
PRODUCT NAME

Monopole Antenna

料號/版次  
P/N:/REV.

GCR2203

DATE :

2024/01/17

審核 CHECKED BY

Eric Su

制作 MADE BY

Eric Su

確認 APPROVED BY

Will Lee

公司名稱：群光電子股份有限公司

Company：Chicony Electronics Co., Ltd.

聯系地址：新北市三重區光復路二段 69 號 39 樓

ADDRESS：39F, No.69, Sec.2, Guangfu Rd., Sanchong Dist., New Taipei City 241

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聯絡電話：TEL:886-2-6626-6788#12276

1. Antenna type : Monopole

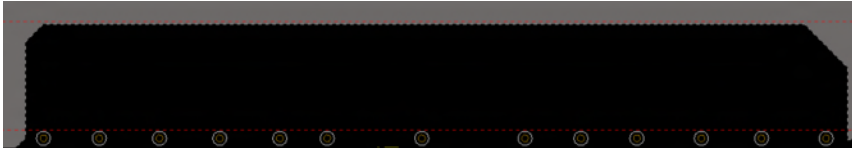
2. Manufacturer : Chicony

3. Antenna dimension :

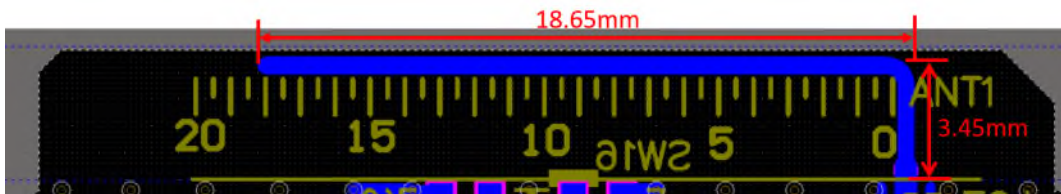
- PCB thickness : 1.6mm

- Antenna dimension :

Top



Bottom



4. Rating :

Operating Temperature :  $-25^{\circ}\text{C}\sim 125^{\circ}\text{C}$

Storage Temperature :  $20^{\circ}\text{C}\sim 25^{\circ}\text{C}$  R.H.65%(For reference)

5. Standard testing condition:

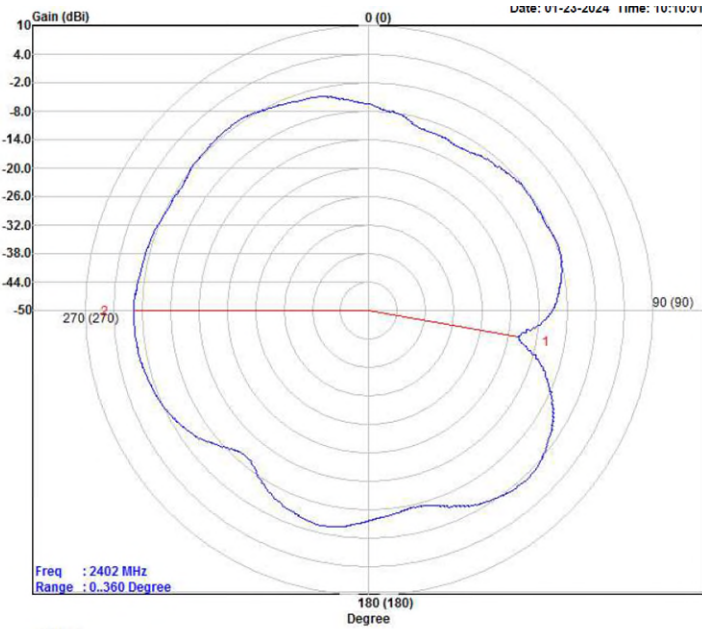
	Unless otherwise specified	In case of doubt
Humidity	Ordinary Humidity (25~85%)	60~75% RH
Temperature	Ordinary Temperature(15~35°C)	$25 \pm 2^{\circ}\text{C}$

6. Antenna Gain

Frequency/MHz	2402	2440	2480
Horizontal Peak Gain/dBi	-0.21	-1.6	-1.47
Vertical Peak Gain/dBi	-7.12	-9.11	-6.22

7. Test report:

## ◇ Frequency 2402MHz / Horizontal

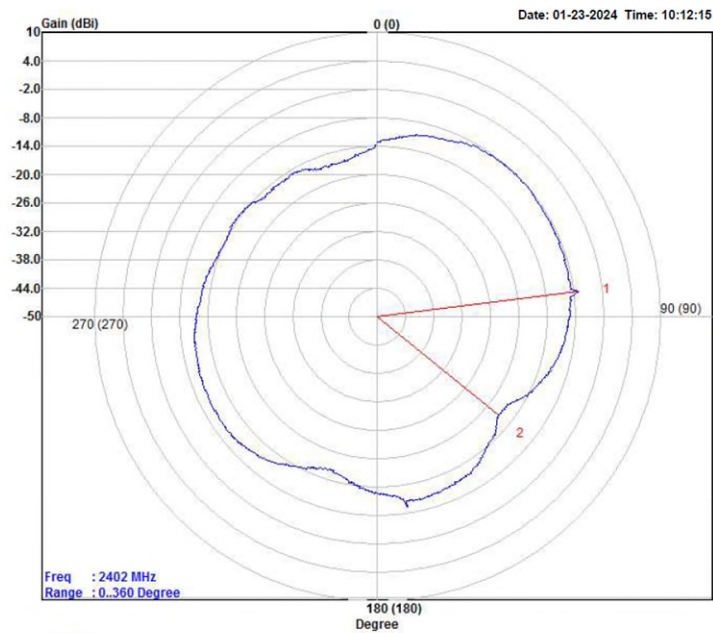


Trace:

Site : RF Chamber  
 Condition : Horizontal  
 EUT : GC-2203  
 Mode : TX CH:2402MHz,  
 Note : X  
 Test by : SMITH  
 : Antenna Pattern  
 SG O/P Level: 0dBm

Degree	Gain	Remark	Note
	dBi/m		
1	99.684	-18.11 Minimum	AVG: -4.88
2	269.613	-0.21 Maximum	

## ◇ Vertical 2402MHz / Vertical

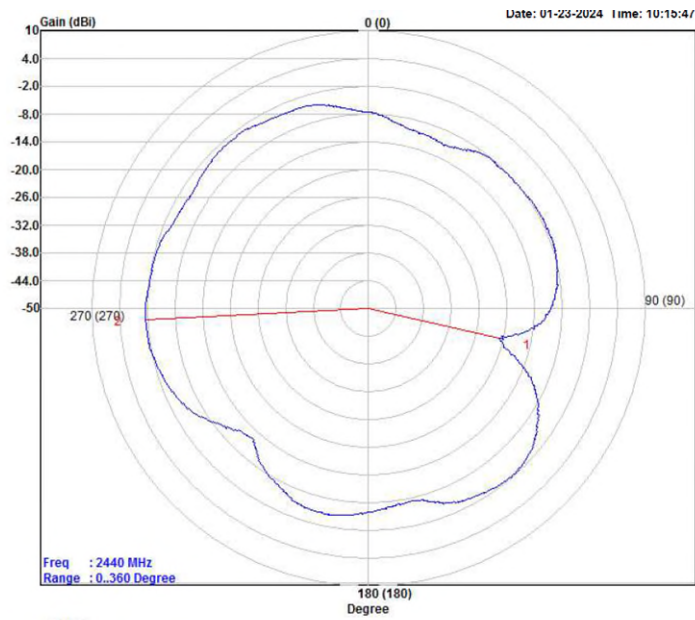


Trace:

Site : RF Chamber  
 Condition : Vertical  
 EUT : GC-2203  
 Mode : TX CH:2402MHz,  
 Note : X  
 Test by : SMITH  
 : Antenna Pattern  
 SG O/P Level: 0dBm

Degree	Gain	Remark	Note
	dBi/m		
1	82.997	-7.12 Maximum	AVG: -11.72
2	128.646	-17.10 Minimum	

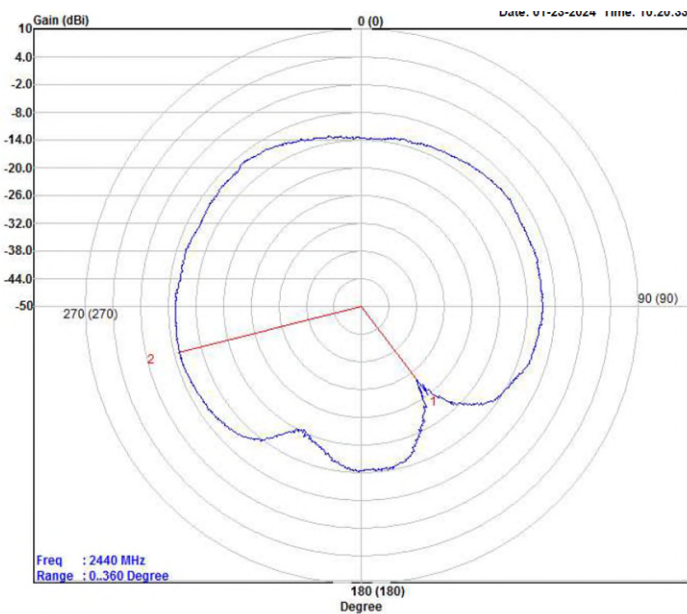
## ◇ Frequency 2440MHz / Horizontal



Trace:  
 Site : RF Chamber  
 Condition : Horizontal  
 EUT : GC-2203  
 Mode : TX CH:2440MHz,  
 Note : X  
 Test by : SMITH  
 : Antenna Pattern  
 SG O/P Level: 0dBm

Degree	Gain	Remark	Note
		dBi/m	
1	103.448	-20.96 Minimum	AVG: -5.96
2	266.897	-1.60 Maximum	

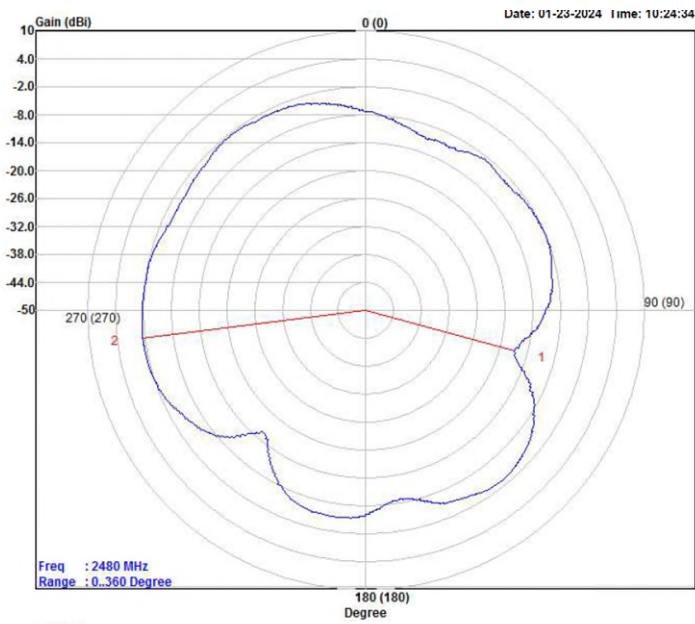
## ❖ Vertical 2440MHz / Vertical



Trace:  
 Site : RF Chamber  
 Condition : Vertical  
 EUT : GC-2203  
 Mode : TX CH:2440MHz,  
 Note : X  
 Test by : SMITH  
 : Antenna Pattern  
 SG O/P Level: 0dBm

Degree	Gain	Remark	Note
		dBi/m	
1	143.276	-30.14 Minimum	AVG: -12.35
2	255.517	-9.11 Maximum	

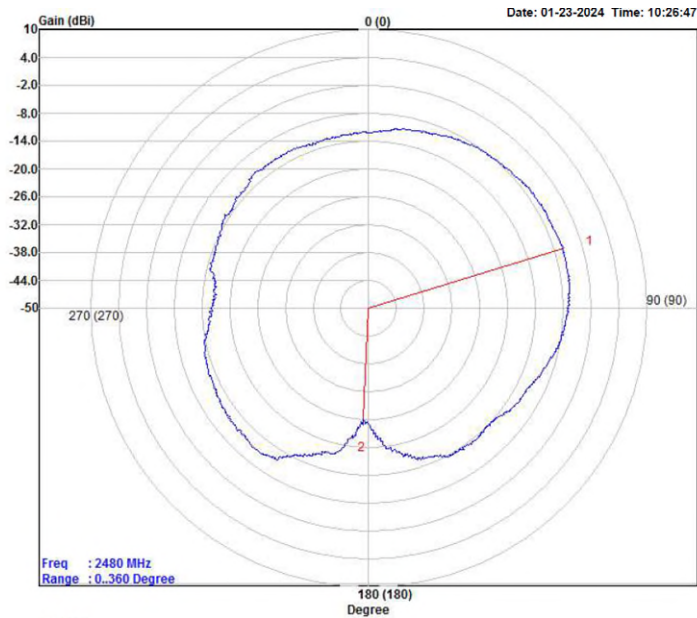
## ❖ Frequency 2480MHz / Horizontal



Trace:  
 Site : RF Chamber  
 Condition : Horizontal  
 EUT : GC-2203  
 Mode : TX CH:2480MHz,  
 Note : X  
 Test by : SMITH  
 : Antenna Pattern  
 SG O/P Level: 0dBm

Degree	Gain	Remark	Note
	dBi/m		
1	105.064	-16.89 Minimum	AVG: -6.07
2	263.176	-1.47 Maximum	

## ✧ Vertical 2480MHz / Vertical



Trace:  
 Site : RF Chamber  
 Condition : Vertical  
 EUT : GC-2203  
 Mode : TX CH:2480MHz,  
 Note : X  
 Test by : SMITH  
 : Antenna Pattern  
 SG O/P Level: 0dBm

Degree	Gain	Remark	Note
	dBi/m		
1	72.826	-6.22 Maximum	AVG: -11.67
2	182.841	-26.04 Minimum	