



榮 昌 科 技 股 份 有 限 公 司

GRAND-TEK TECHNOLOGY CO.,LTD

8F., No.233-2, Ln. 235, Baociao Rd., Sindian City, Taipei County 231, Taiwan(R.O.C.)

TEL : (02)29177353

FAX:(02)29106546

承 認 書

SPECIFICATION FOR APPROVAL

客 戶 名 稱 : 台達電

CUSTOMER

產 品 : Antenna,Dipole,WiFi 6E ,MHF 4L,OD1.37,Blue,L=140mm

PRODUCT

客 戶 料 號 : _____

PRODUCT

榮 昌 料 號 : 103DG00000140

PART NO.

承認書編號 : RC220804001

SHEET NO.

DATE : 2022-08-04

CUSTOMER CONCLUSION : ☐ **APPROVED** (承 認)

(客 戶 判 定) ☐ **REJECTED** (不合格)

☐ **LIMITED** (允 收)

☐ **CONDITIONAL APPROVAL** (條 件 認 可)

INCLUDING THIS COVER TOTAL 9 PAGES

(含 此 封 面 頁 共 9 頁)

*** PLEASE SIGNED AND FAX THE RESULT TO US .**

(請 於 判 定 簽 名 後 將 結 果 傳 回)

AUTHORIZE DSIGNATURES

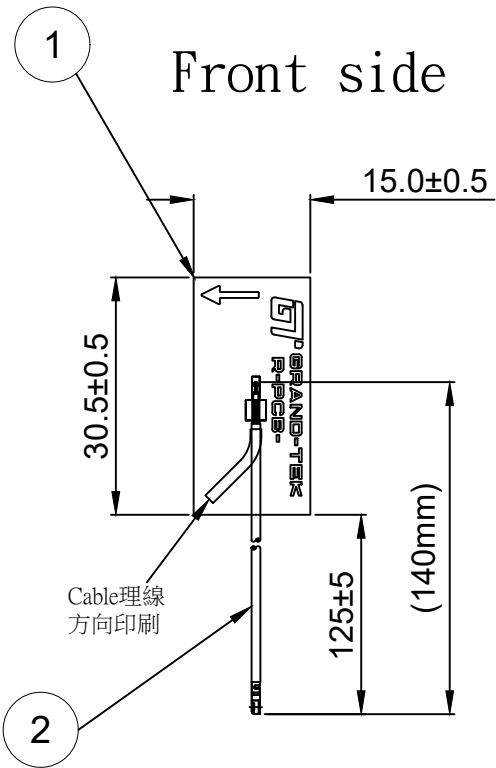


Part No.	-	Item No.	103DG00000140	Customer Code:	G0183A
Edited By:	gallon-chen	Check By:	Eric	Approved By:	Mark

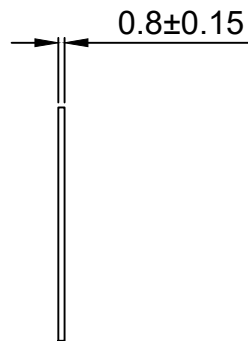
Standard Specification

REVISIONS				
DATE	REV.	ZONE	DESCRIPTION	ECN NO.
2022-08-03			NEW RELEASE	

Specification				
Frequency	2400~2500MHz	5150~5875MHz	5925~6525 MHz	6525~7125 MHz
Polarization	Linear, Vertical			
Peak Gain	4.8 dBi max.	5.0 dBi max.	4.2 dBi max.	4.1 dBi max.
VSWR	<2.0 typ.			
Impedance	50 Ohms			
Connector	I-PEX MHF 4L Plug			



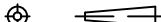
Front side



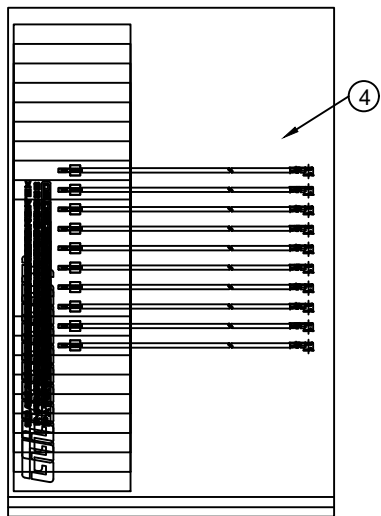
Back side



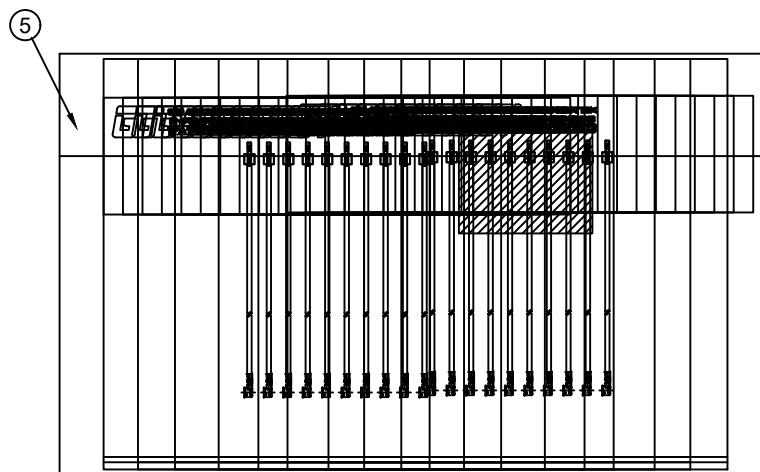
REACH
RoHS

UNLESS OTHERWISE SPECIFIED TOLERANCE : X.X ±0.3 X.XX ±0.15		ANGLES : ±5° DO NOT SCALE DRAWING		 榮昌科技股份有限公司 GRAND-TEK TECHNOLOGY CO., LTD.	
Designed BY Jason_Hsu		TITLE Antenna,WiFi 6E ,MHF 4L,OD1.37,Blue ,L=140mm			G0183A
DRAWN BY gallon-chen		SIZE A4	UNIT mm	PART NO. -	REV.
CHECKED BY Eric		SCALE NA			THIRD ANGLE PROJECTION 
APPROVED BY Mark					
Type No.	ITEM NO. 103DG00000140			PAGE 1 OF 4	DATE 2022-08-03

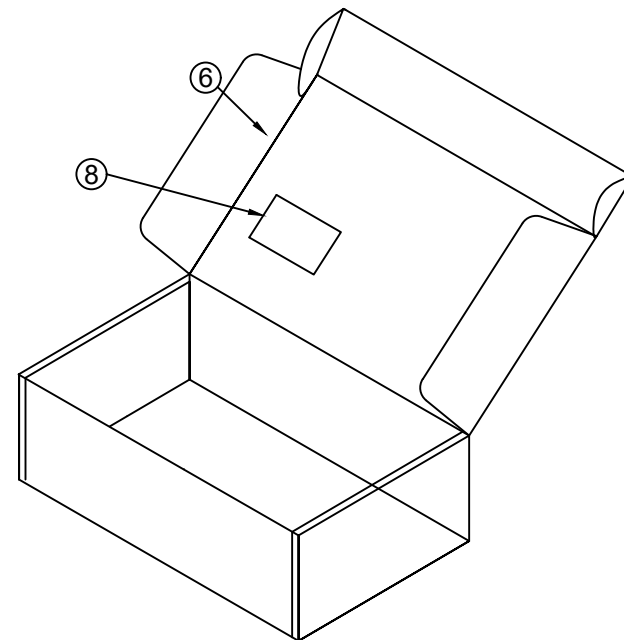
3	1	EA	I-PEX MHF 4L,Plug,For Φ1.37
2	1	EA	1.37 CABLE,TIN PLATING,Cable Color: Blue
1	1	EA	WiFi 6E,PCB,Size: 30.5x15.0 mm
ITEM	QTY	U/M	DESCRIPTION



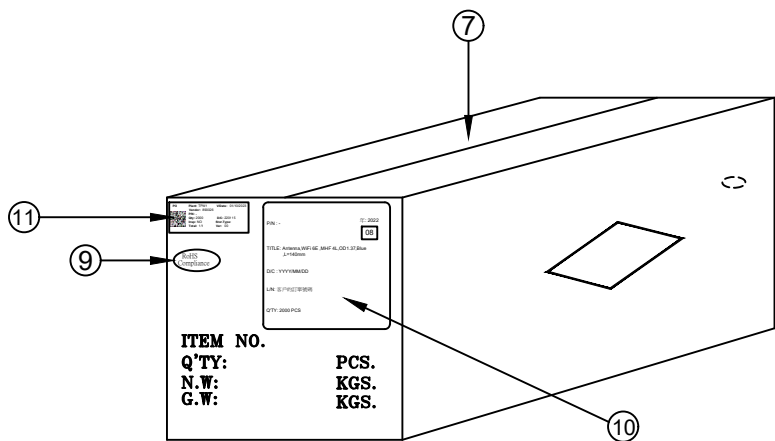
10PCS裝入4*6" PE袋



20小袋裝入11*13" PE袋，反折用透明膠帶固定



⑧ 內盒LABEL SIZE:80*60mm



包裝重點：

- 1) 10PCS 裝入4"x6"PE袋.
- 2) 200PCS成品裝入11"x13"PE袋中，
PE袋反折並用透明膠粘好.
- 3) 200PCS/內盒.
- 4) 10內盒/外箱.

REACH
RoHS



榮昌科技股份有限公司
GRAND-TEK TECHNOLOGY CO., LTD.

TITLE Antenna,WiFi 6E ,MHF 4L,OD1.37,Blue
,L=140mm

G0183A

SIZE A4	UNIT mm	PART NO. -	REV.
SCALE NA	THIRD ANGLE PROJECTION		PAGE 2 OF 4

UNLESS OTHERWISE SPECIFIED
TOLERANCE :
ANGLES : ±2°
X.X ±0.3
X.XX ±0.15 DO NOT SCALE DRAWING

Designed BY	Jason_Hsu
DRAWN BY	gallon-chen
CHECKED BY	Eric
APPROVED BY	Mark

Type No.	ITEM NO. 103DG00000140	DATE 2022-08-03
----------	---------------------------	--------------------

ITEM	QTY	U/M	DESCRIPTION
11	1	EA	CARTON LABEL 60*40mm
10	2	EA	CARTON LABEL 100*100mm
9	2	EA	RoHS LABEL
8	1	EA	INNER BOX LABEL 80*60mm
7	1	EA	CARTON SIZE:40.5x29.5x38.5cm
6	1	EA	INNER BOX , SIZE : 28x19x7cm
5	1	EA	PE BAG SIZE:11*13 inch
4	1	EA	PE BAG SIZE:4*6 inch

⑧ Inner Box Size: 80x60 mm

P/N : -	年: 2022
Q'TY: 200 PCS	08
D/C: YYYY/MM/DD	
TITLE: Antenna,WiFi 6E ,MHF 4L,OD1.37,Blue ,L=140mm	
L/N: 客戶的訂單號碼	

⑩ Carton Label Size: 100x100 mm

P/N : -	年: 2022
	08
TITLE: Antenna,WiFi 6E ,MHF 4L,OD1.37,Blue ,L=140mm	
D/C : YYYY/MM/DD	
L/N: 客戶的訂單號碼	
Q'TY: 2000 PCS	

REACH
RoHS

UNLESS OTHERWISE SPECIFIED TOLERANCE : X.X ±0.3 X.XX ±0.15 ANGLES : ±2° DO NOT SCALE DRAWING		 榮昌科技股份有限公司 GRAND-TEK TECHNOLOGY CO., LTD.	
Designed BY	Jason_Hsu	TITLE Antenna,WiFi 6E ,MHF 4L,OD1.37,Blue ,L=140mm	
DRAWN BY	gallon-chen	G0183A	
CHECKED BY	Eric	SIZE A4	UNIT mm
APPROVED BY	Mark	PART NO. -	REV.
Type No.		SCALE NA	THIRD ANGLE PROJECTION
		ITEM NO. 103DG00000140	PAGE 3 OF 4
		DATE 2022-08-03	

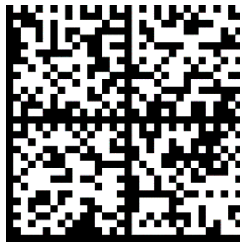
Carton Label Size: 60x40 mm
(出貨前由業務提供內容)

PO

Plant: TPW1

V/Date: 01/10/2023

Vendor: 890026



P/N: -

Qty: 2000

D/C: 220115

Insp: NO

Stor.Type:

Total: 1/1

Ver: 00

REACH

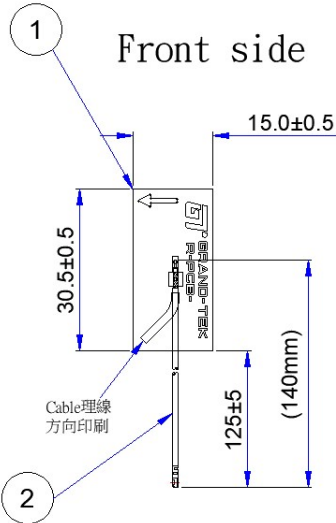
RoHS

UNLESS OTHERWISE SPECIFIED TOLERANCE : X.X ±0.3 X.XX ±0.15		ANGLES : ±2° DO NOT SCALE DRAWING		 榮昌科技股份有限公司 GRAND-TEK TECHNOLOGY CO., LTD.	
Designed BY	Jason_Hsu	TITLE Antenna,WiFi 6E ,MHF 4L,OD1.37,Blue ,L=140mm			G0183A
DRAWN BY	gallon-chen	SIZE A4	UNIT mm	PART NO. -	REV.
CHECKED BY	Eric	SCALE NA	THIRD ANGLE PROJECTION		PAGE 4 OF 4
APPROVED BY	Mark	ITEM NO. 103DG00000140			DATE 2022-08-03
Type No.					

Antenna Spec WiFi 6E Left P/N :103DG00000140 Ant. Type (Dipole)

Electrical specification

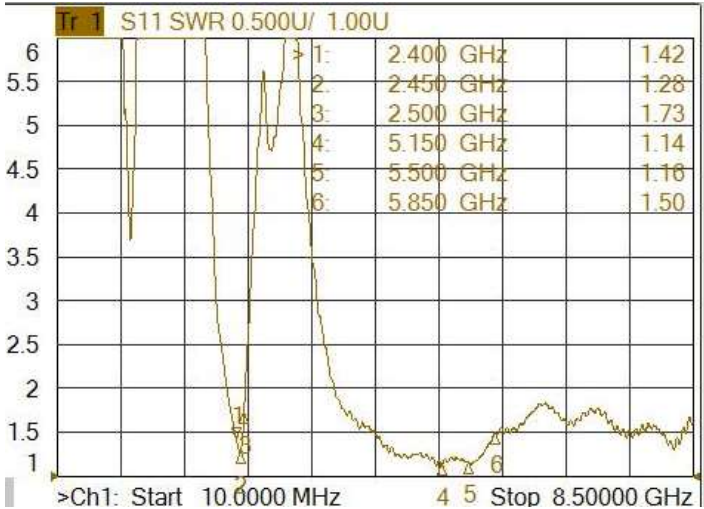
Specification				
Frequency	2400~2500MHz	5150~5875MHz	5925~6525 MHz	6525~7125 MHz
Polarization	Linear, Vertical			
Peak Gain	4.8 dBi max.	5.0 dBi max.	4.2 dBi max.	4.1 dBi max.
VSWR	<2.0 typ.			
Impedance	50 Ohms			
Connector	I-PEX MHF 4L Plug			



Environmental & Mechanical Characteristics

Temperature	-40°C to +85°C
Humidity	95%@25°C

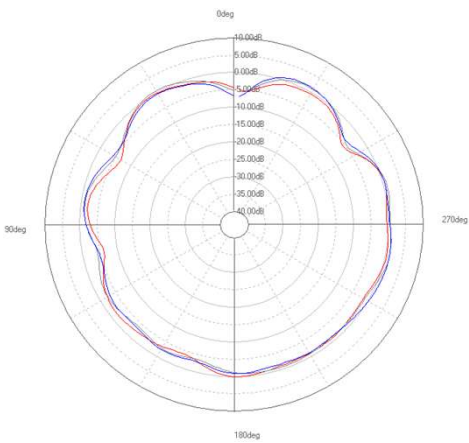
VSWR



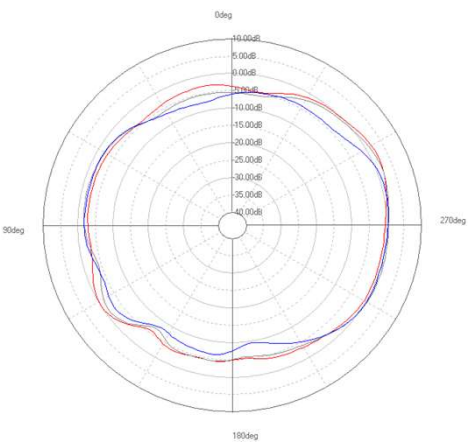
Antenna Pattern WiFi 6E Left
P/N : 103DG00000140



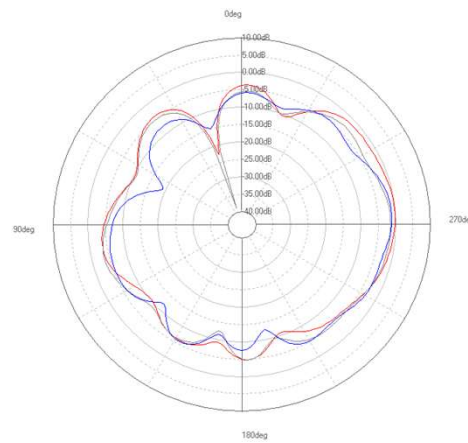
XY-plane



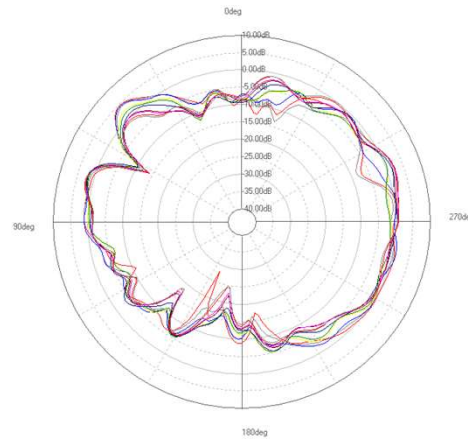
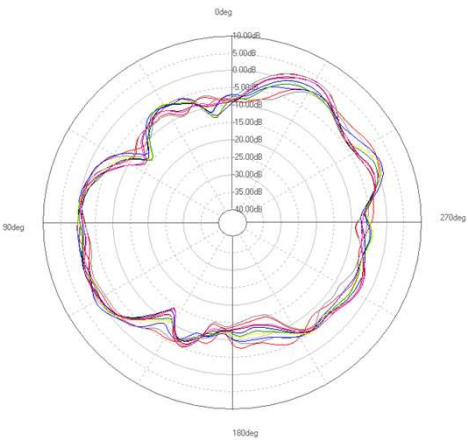
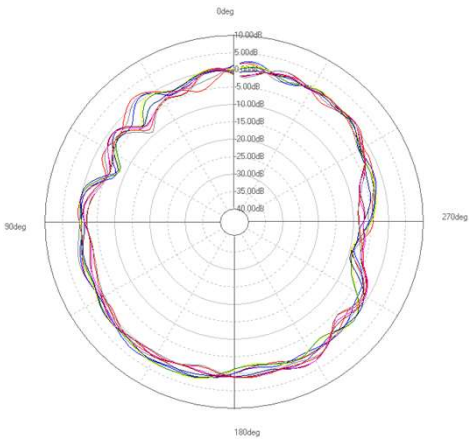
YZ-plane



ZX-plane



Legend
— 2400.00(MHz)
— 2450.00(MHz)
— 2500.00(MHz)

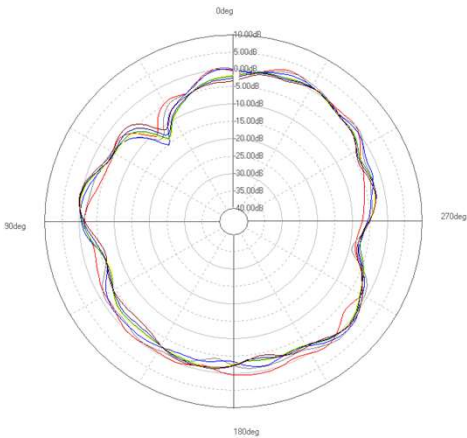


Legend
— 5150.00(MHz)
— 5250.00(MHz)
— 5350.00(MHz)
— 5475.00(MHz)
— 5500.00(MHz)
— 5600.00(MHz)
— 5725.00(MHz)
— 5750.00(MHz)
— 5825.00(MHz)
— 5850.00(MHz)

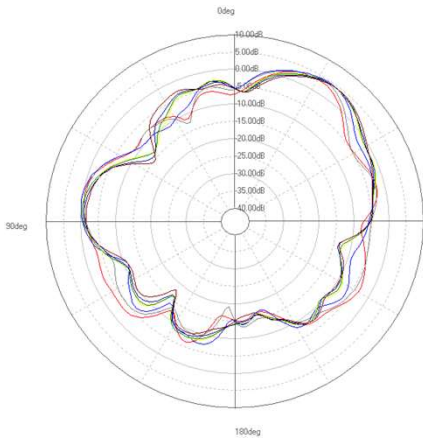
Antenna Pattern WiFi 6E Left
P/N : 103DG00000140



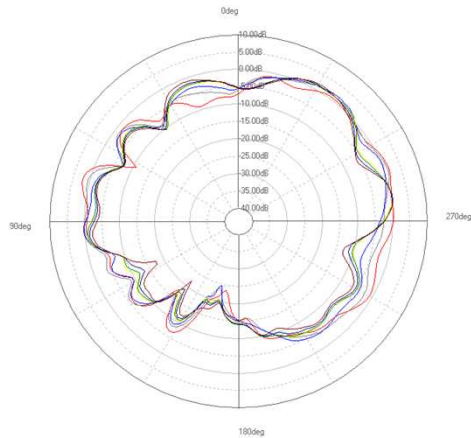
XY-plane



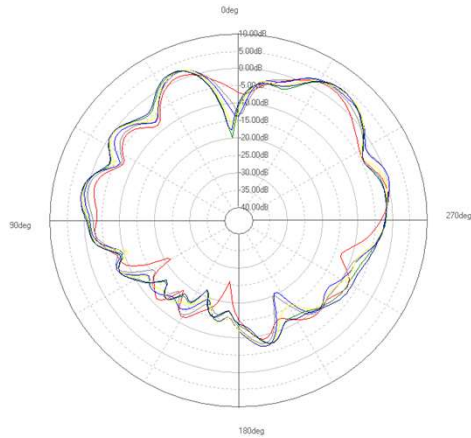
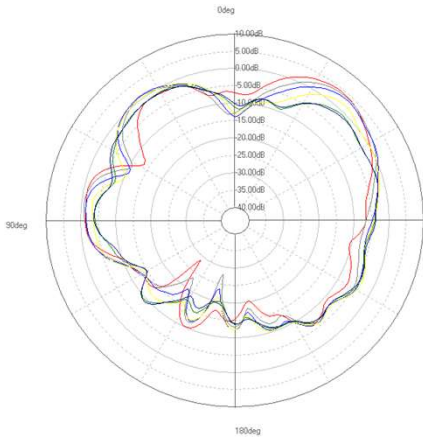
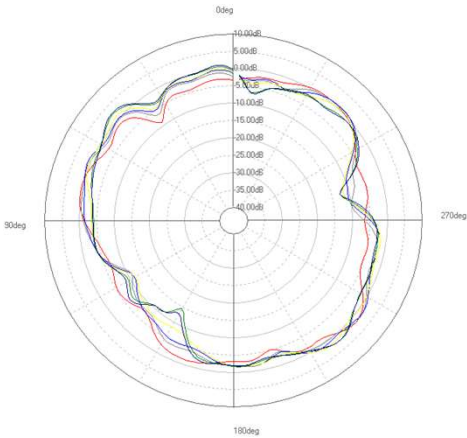
YZ-plane



ZX-plane



- Legend
- 5925.00(MHz)
 - 6085.00(MHz)
 - 6245.00(MHz)
 - 6405.00(MHz)
 - 6425.00(MHz)
 - 6465.00(MHz)
 - 6525.00(MHz)



- Legend
- 6645.00(MHz)
 - 6795.00(MHz)
 - 6875.00(MHz)
 - 6975.00(MHz)
 - 7095.00(MHz)
 - 7125.00(MHz)

Antenna Information



Brand

GRAND-TEK Technology

Model Name

103DG00000140

Manufacturer

GRAND-TEK TECHNOLOGY CO.,LTD

Manufacturer address

8F., No.233-2, Ln. 235, Baociao Rd., Sindian City, Taipei County 231, Taiwan(R.O.C.)