



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

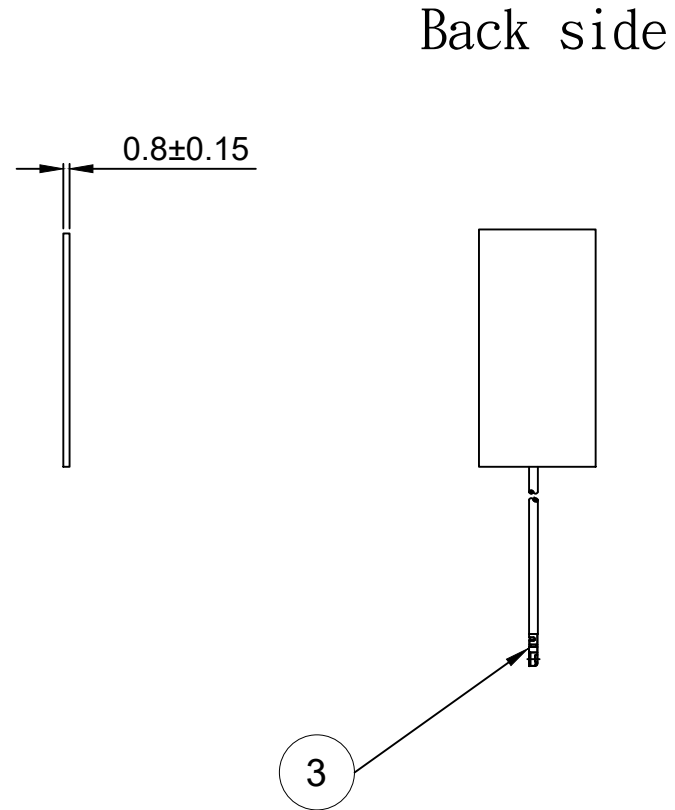
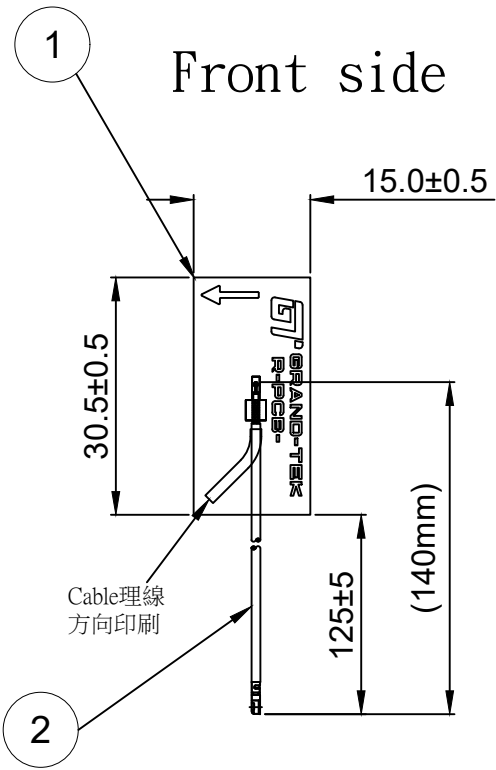


Part No. -	Item No. 103DG00000140	Customer Code: G0183A
Edited By: gallon-chen	Check By: Eric	Approved By: Mark


Standard Specification

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

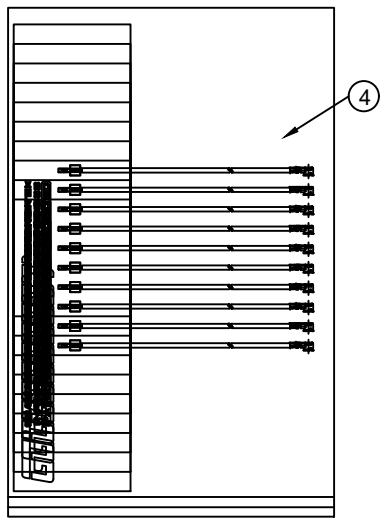
Specification				
Frequency	2400~2500MHz	5150~5875MHz	5925~6525 MHz	6525~7125 MHz
Polarization	Linear, Vertical			
Peak Gain	4.8 dBi max.	5.0 dBi max.	4.2 dBi max.	4.1 dBi max.
VSWR	<2.0 typ.			
Impedance	50 Ohms			
Connector	I-PEX MHF 4L Plug			



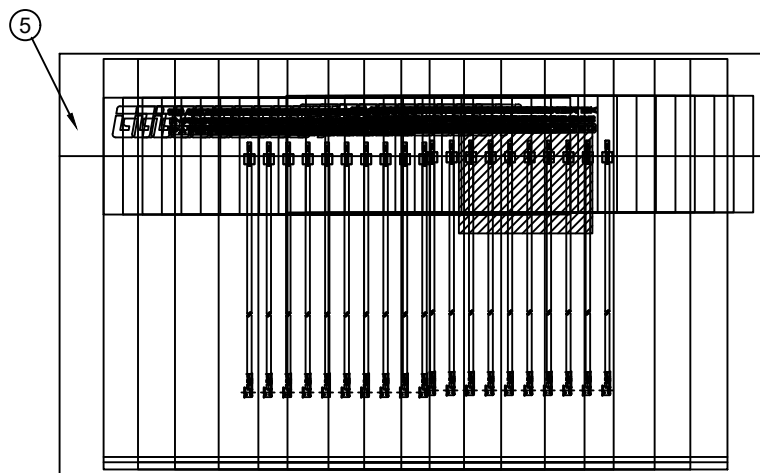
REACH
RoHS

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		PAGE 1 OF 4
APPROVED BY	Mark	ITEM NO. 103DG00000140			DATE 2022-08-03
Type No.					

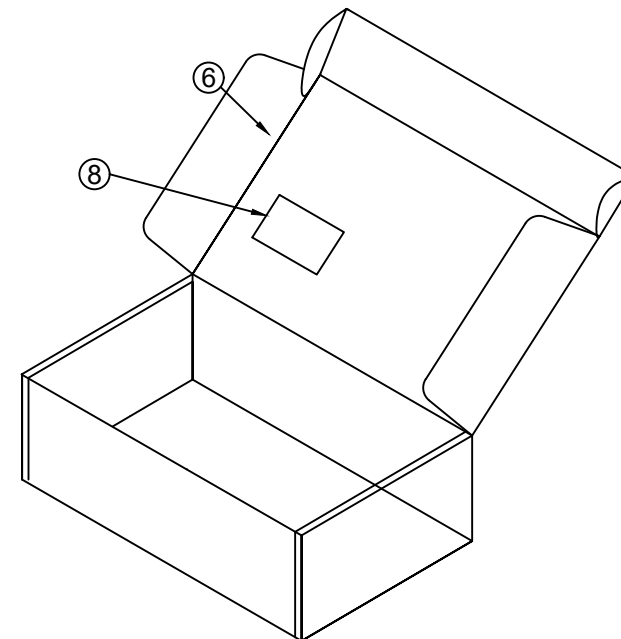
ITEM	QTY	U/M	DESCRIPTION
3	1	EA	I-PEX MHF 4L,Plug,For Φ1.37
2	1	EA	1.37 CABLE,TIN PLATING,Cable Color: Blue
1	1	EA	WiFi 6E,PCB,Size: 30.5x15.0 mm



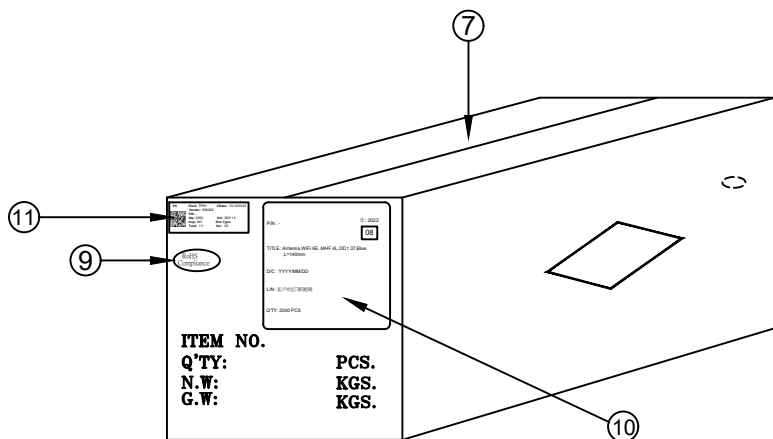
10PCS裝入4*6" PE袋



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

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

UNLESS OTHERWISE SPECIFIED TOLERANCE :		ANGLES : ±2°		 榮昌科技股份有限公司 GRAND-TEK TECHNOLOGY CO., LTD.	
X.X	±0.3	X.XX	±0.15		
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.	-
Type No.				SCALE NA	THIRD ANGLE PROJECTION
ITEM NO. 103DG00000140				PAGE 2	OF 4
				DATE 2022-08-03	

ITEM	QTY	U/M	DESCRIPTION
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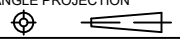
8 Inner Box Size: 80x60 mm

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

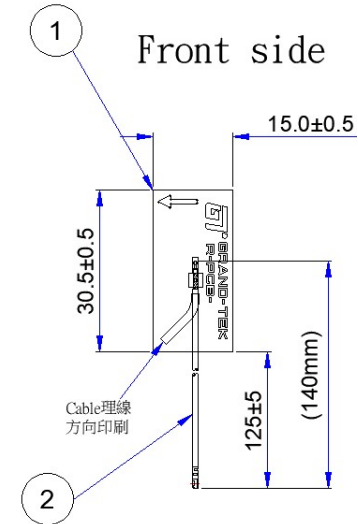
Antenna Spec WiFi 6E

Left P/N :103DG00000140
Ant. Type (Dipole)



Electrical specification

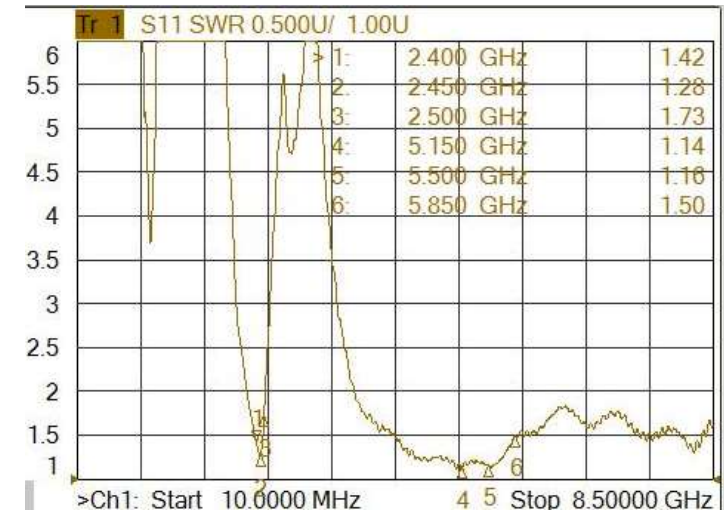
Specification				
Frequency	2400~2500MHz	5150~5875MHz	5925~6525 MHz	6525~7125 MHz
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Peak Gain	4.8 dBi max.	5.0 dBi max.	4.2 dBi max.	4.1 dBi max.
VSWR	<2.0 typ.			
Impedance	50 Ohms			
Connector	I-PEX MHF 4L Plug			



Environmental & Mechanical Characteristics

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

VSWR



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

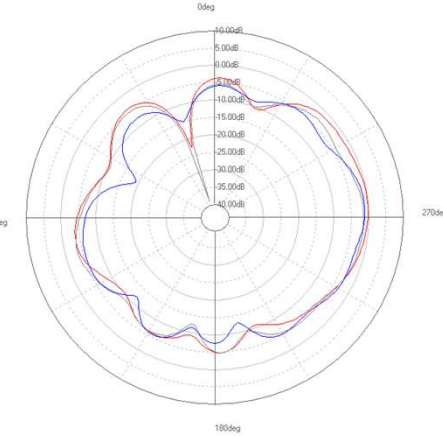
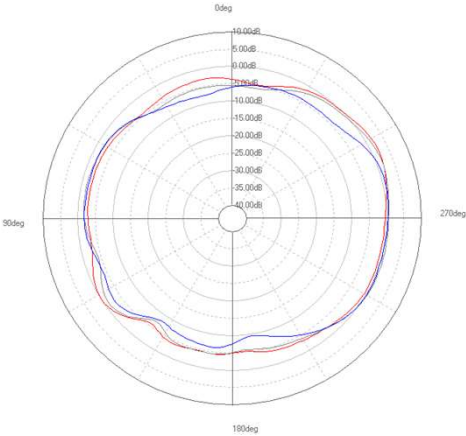
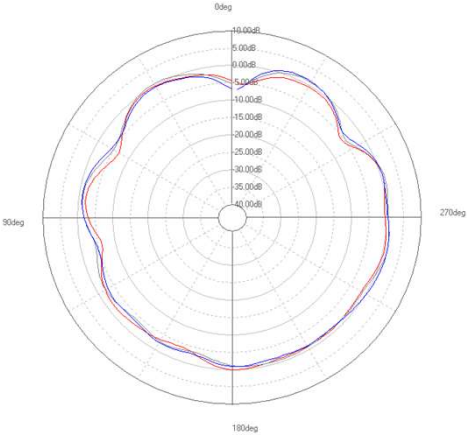


XY-plane

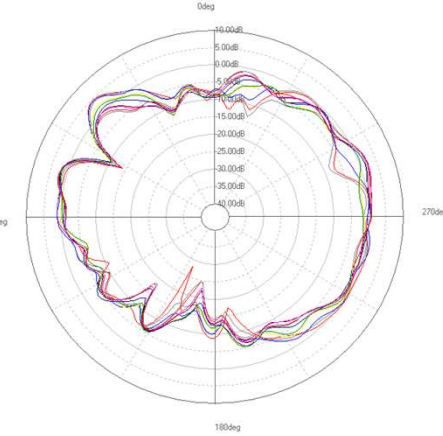
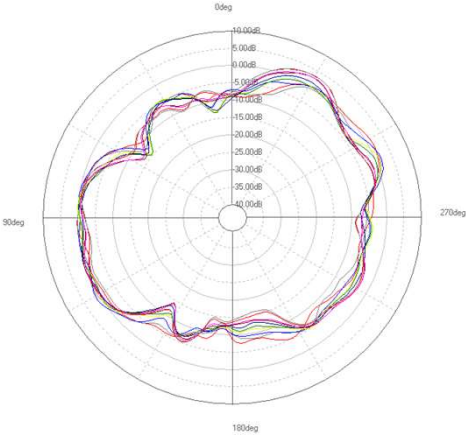
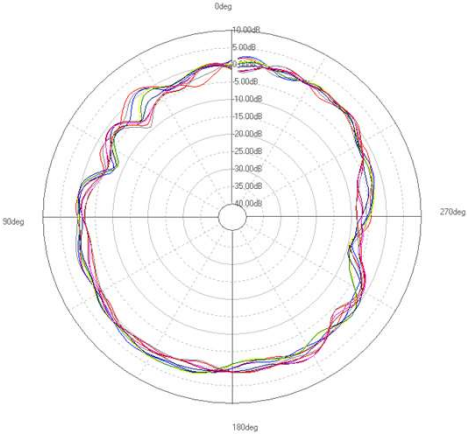
YZ-plane

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)



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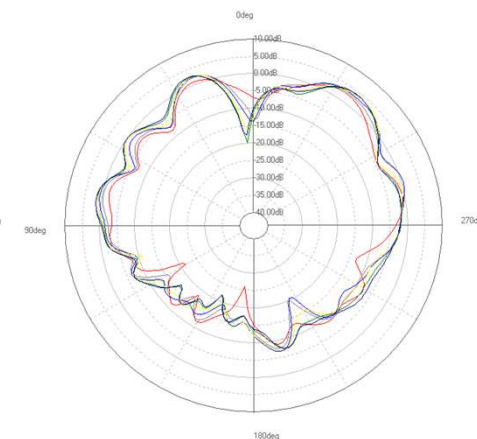
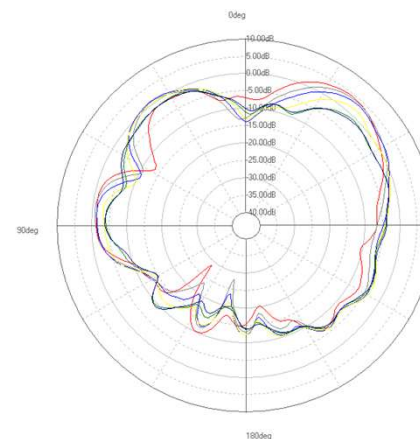
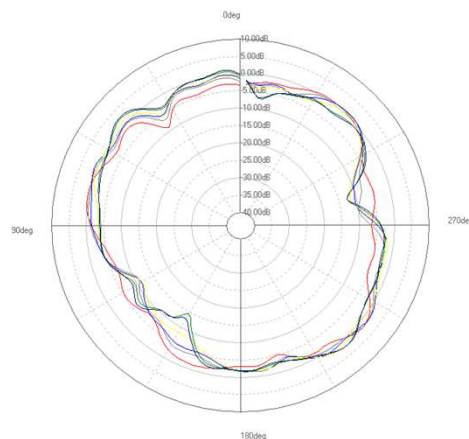
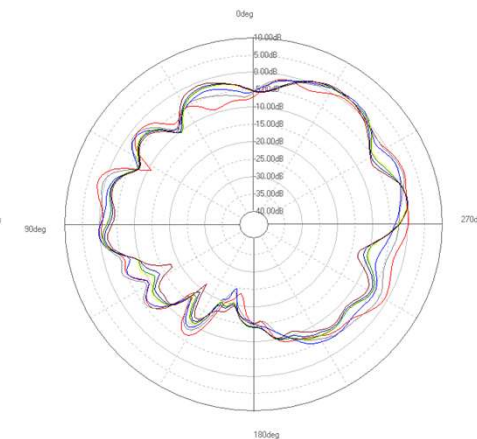
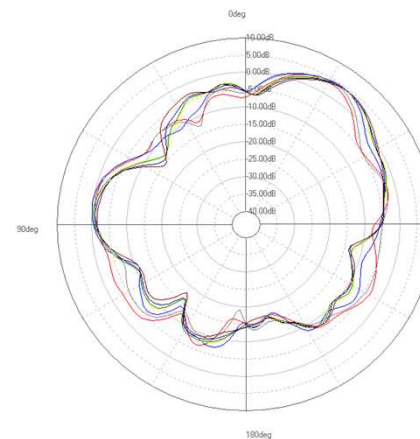
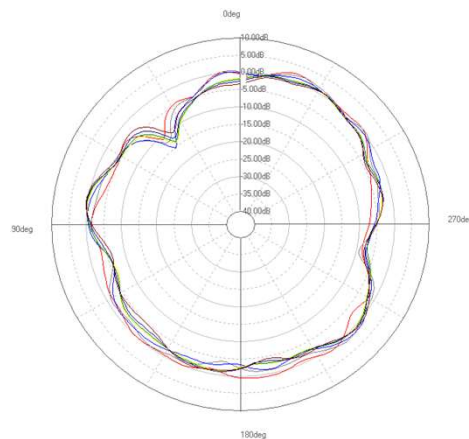
Antenna Pattern WiFi 6E Left
P/N : 103DG00000140



XY-plane

YZ-plane

ZX-plane



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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.)