



ISO9001 ISO14001 IATF16949 CHILISIN ELECTRONICS CORP.

RoHS & Halogen Free & REACH Compliance.

# SPECIFICATION FOR APPROVAL

Customer : Qisda

Customer P/N : 2E.94WN0.031

Drawing No :

Quantity : Pcs. Date : 2023/06/21

Chilisin P/N : BTPA00460725GC7A06

## SPECIFICATION ACCEPTED BY:

<b>COMPONENT ENGINEER</b>	
<b>ELECTRICAL ENGINEER</b>	
<b>MECHANICAL ENGINEER</b>	
<b>APPROVED</b>	
<b>REJECTED</b>	

奇力新電子股份有限公司  
Chilisin Electronics Corp  
No. 29, Alley 301, Tehhsin Rd.,  
Hukou, Hsinchu 303, Taiwan  
TEL : +886-3- 599-2646  
FAX : +886-3- 599-9176  
E-mail : sales@chilisin.com  
http : //www.chilisin.com

東莞奇力新電子(東莞廠)有限公司  
Chilisin Electronics (Dongguan) Co., Ltd.  
No. 78, Puxing Rd., Yuliangwei Administration Area,  
Qingxi Town, Dongguan City, Guangdong, China  
TEL : +86-769-8773-0251~3  
FAX : +86-769-8773-0232  
E-mail : cect@chilisin.com

奇力新電子(越南廠)有限公司  
Chilisin Electronics (Vietnam) Limited  
No 143 - 145, Road No 10, VSIP Hai  
Phong, Lap Le Commune, Thuy Nguyen  
Dist, Haiphong City, Vietnam  
: 84-316 255 688 Fax : 84-316 255 689  
E-mail : sales@chilisin.com

奇力新電子(湖南廠)有限公司  
HuNan Chilisin Electronics Technology Co., Ltd  
No. 8, Shaziao Liangshuijing Town, Yuanling County,  
Huaihua City, Hunan Province 419601, China  
Tel : 86-745-867-5882 Tel  
E-mail : cect@chilisin.com

Drawn by

Checked by

Approved by





ISO9001 ISO14001 IATF16949 CHILISIN ELECTRONICS CORP.

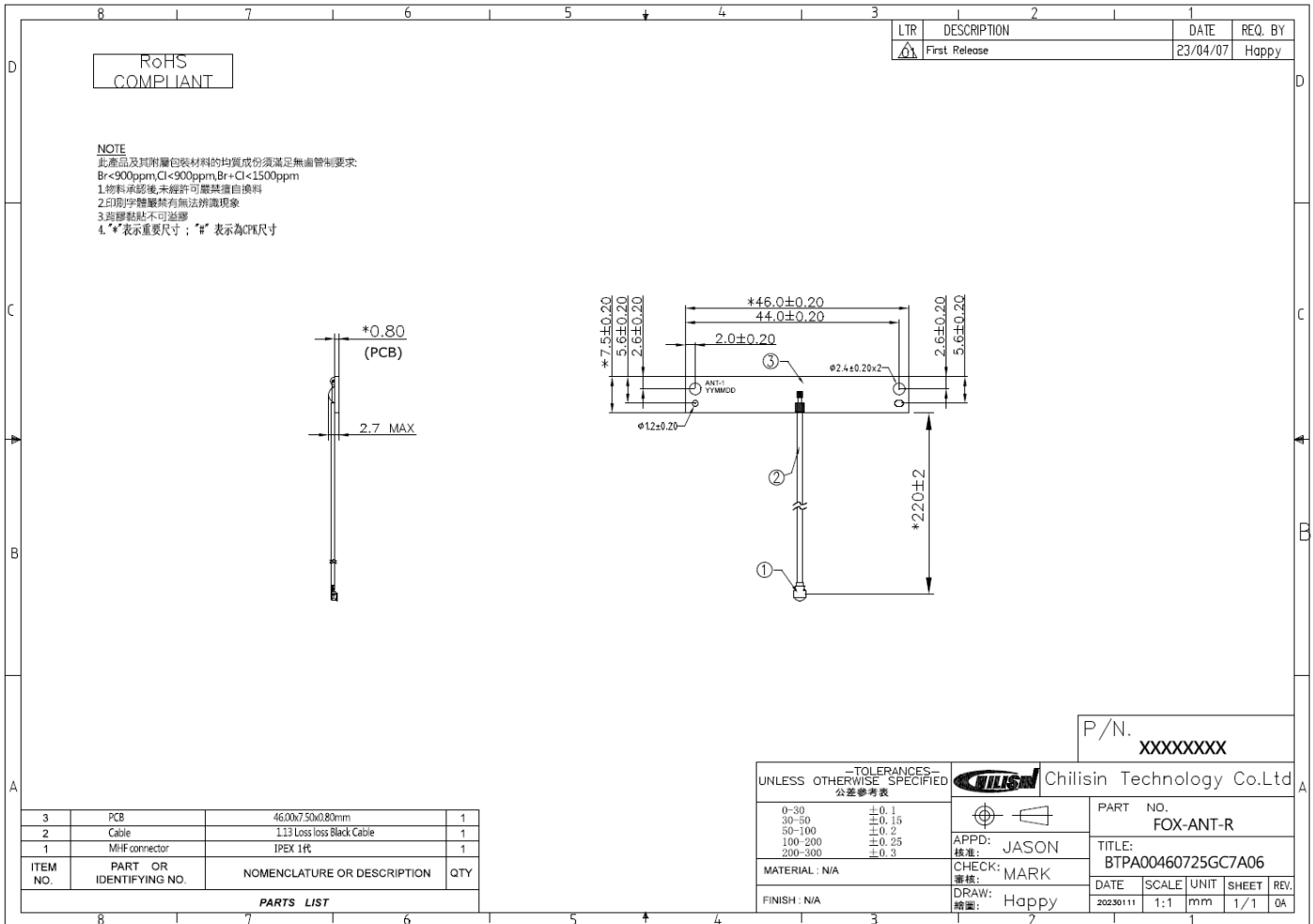
# Contents

Item	Description	Page
1. . . . .	Mechanical Specification	. . . . . 4
2. . . . .	Specification	. . . . . 5~6
3. . . . .	Test Report	. . . . . 7~10
4. . . . .	Stress Test Qualification Report	. . . . . 11~16
5. . . . .	Sample Test Report	. . . . . 17
6. . . . .	Packaging Specifications	. . . . . 18



ISO9001 ISO14001 IATF16949 CHILISIN ELECTRONICS CORP.

# Mechanical Specification



RoHS COMPLIANT

**NOTE**  
 此產品及其附屬包裝材料的均質成份須滿足無鹵管制要求:  
 Br<900ppm,Cl<900ppm,Br+Cl<1500ppm  
 1.物料承認後,未經許可嚴禁擅自換料  
 2.印刷字體嚴禁有無法辨識現象  
 3.高腳貼註不可塗膠  
 4.\*表示重要尺寸; "φ" 表示為CPK尺寸

LTR	DESCRIPTION	DATE	REQ. BY
△	First Release	23/04/07	Happy

ITEM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY
3	PCB	4600x750x0.80mm	1
2	Cable	113 Loss loss Black Cable	1
1	MIF connector	IPEX 1ft	1

PARTS LIST

-TOLERANCES- UNLESS OTHERWISE SPECIFIED 公差參考表	
0-30	±0.1
30-50	±0.15
50-100	±0.2
100-200	±0.25
200-300	±0.3

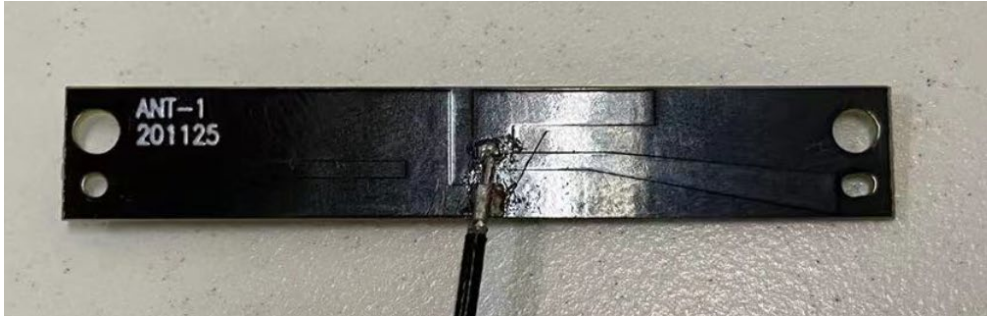
APPD: JASON  
 核准: JASON  
 CHECK: MARK  
 審核: MARK  
 DRAW: Happy  
 繪圖: Happy

P/N.	XXXXXXXX			
Chilisin Technology Co.Ltd				
PART NO.	FOX-ANT-R			
TITLE:	BTPA00460725GC7A06			
DATE	SCALE	UNIT	SHEET	REV.
20230111	1:1	mm	1/1	0A



ISO9001 ISO14001 IATF16949 CHILISIN ELECTRONICS CORP.

## Sample Photo





ISO9001 ISO14001 IATF16949 CHILISIN ELECTRONICS CORP.

## RF Specification

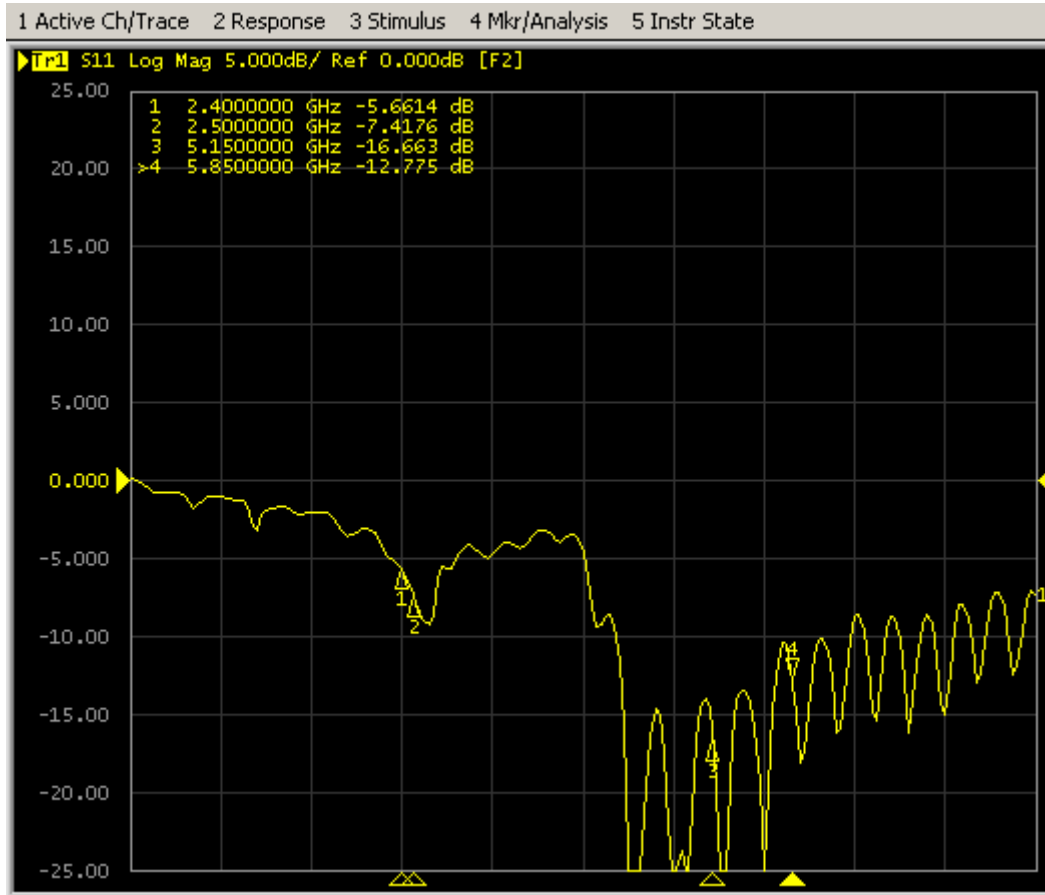
Electrical		
Item		Ant 2
Test Environment		Free Space
Antenna Type		Dipole
Frequency Range		2400-2500MHz 5150-5850MHz
Returnloss		<-5
Polarization		Linear
Gain(Peak Gain)		2G<6 5G<6
Efficiency		2400-2500MHz>40% 5150-5850MHz>35%
Input Impedance		50ohm



ISO9001 ISO14001 IATF16949 CHILISIN ELECTRONICS CORP.

# Test Report

## S-Parameter\_Return Loss\_Ant2





ISO9001 ISO14001 IATF16949 CHILISIN ELECTRONICS CORP.

### 3D Peak Gain & Efficiency List Table

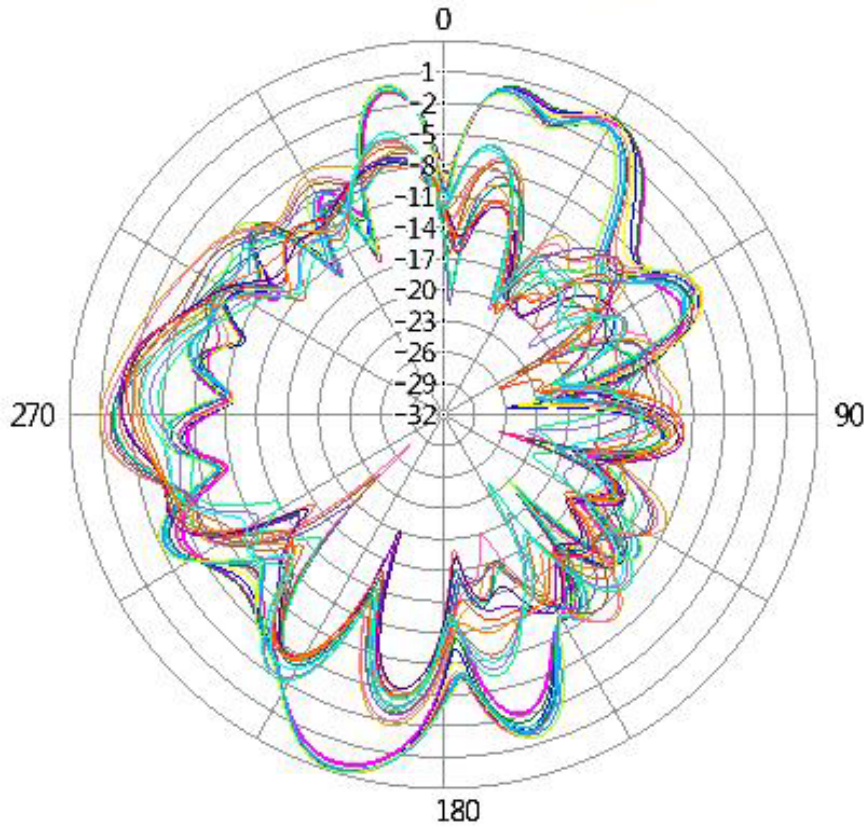
频率(MHz)	增益(dBi)	效率(dB)	效率(%)
2400	2.9	-3.01	50.00
2410	3.13	-2.76	52.97
2420	3.03	-2.91	51.17
2430	3.34	-2.68	53.95
2440	3.39	-2.66	54.20
2450	3.62	-2.55	55.59
2460	4	-2.42	57.28
2470	4.22	-2.36	58.08
2480	4.36	-2.37	57.94
2490	4.39	-2.32	58.61
2500	4.45	-2.21	60.12
5150	3.2	-3.52	44.46
5200	3.79	-3.63	43.35
5250	3.62	-3.67	42.95
5300	3.47	-3.73	42.36
5350	2.66	-4.08	39.08
5400	2.14	-4.18	38.19
5450	1.47	-4.08	39.08
5500	1.32	-4.18	38.19
5550	1.72	-3.99	39.90
5600	2.03	-4.03	39.54
5650	2.07	-4.21	37.93
5700	2.12	-4.01	39.72
5750	1.87	-4	39.81
5800	1.4	-4.12	38.73
5850	1.87	-4.22	37.84





ISO9001 ISO14001 IATF16949 CHILISIN ELECTRONICS CORP.

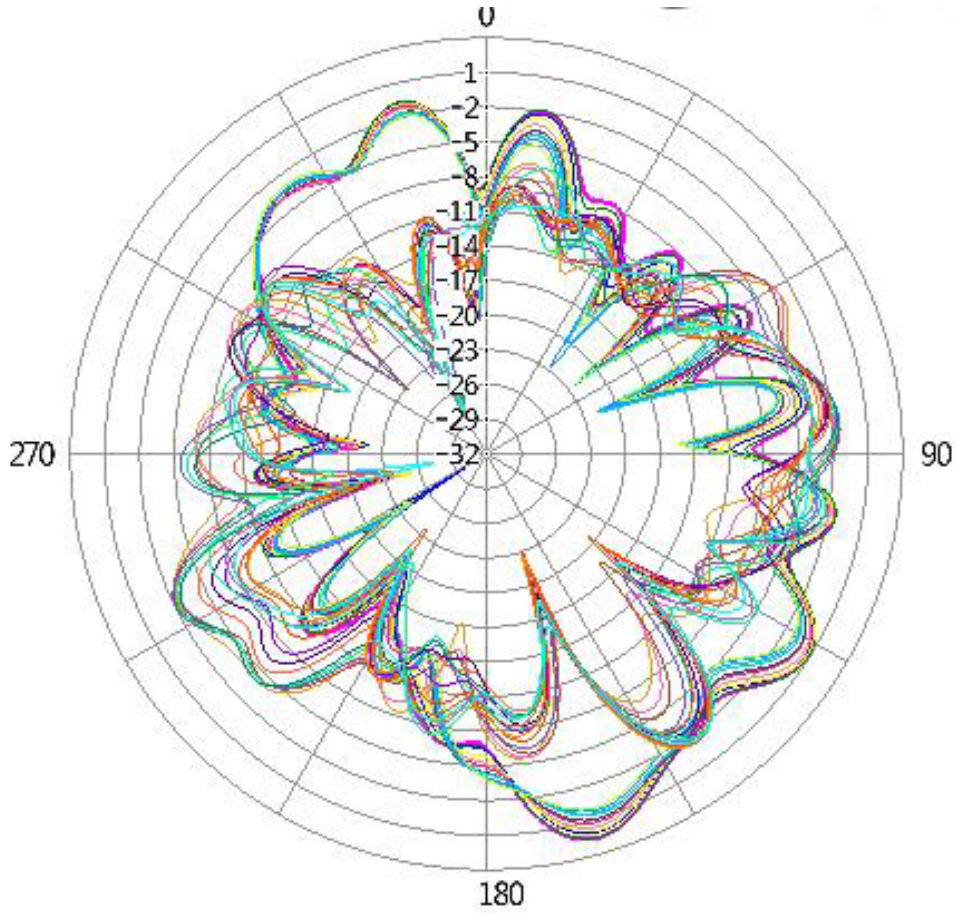
**2D Gain Pattern\_Ant2\_ZX Cut(Phi=0)**





ISO9001 ISO14001 IATF16949 CHILISIN ELECTRONICS CORP.

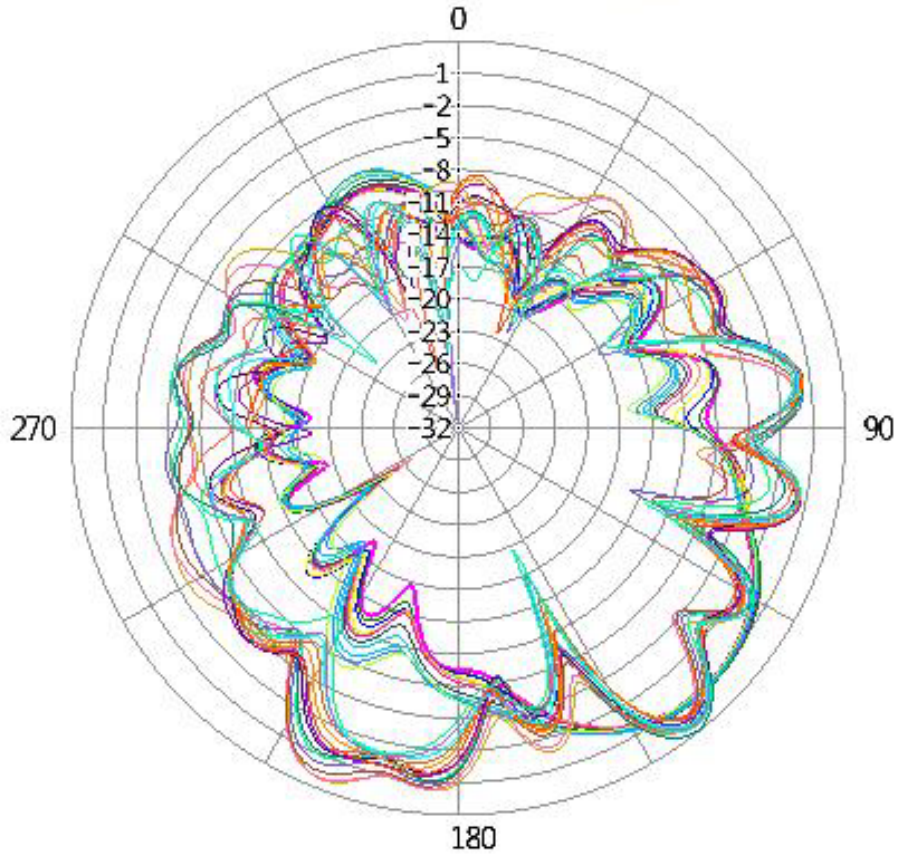
### 2D Gain Pattern\_Ant2\_ZY Cut(Phi=90)





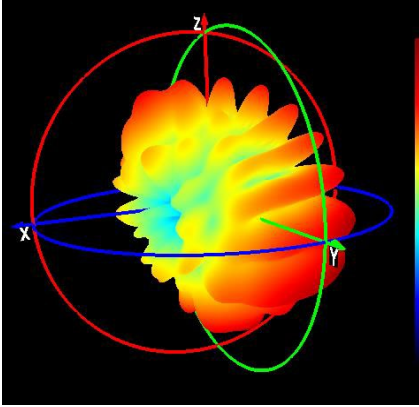
ISO9001 ISO14001 IATF16949 CHILISIN ELECTRONICS CORP.

### 2D Gain Pattern\_Ant2\_XY Cut(Theta=0)

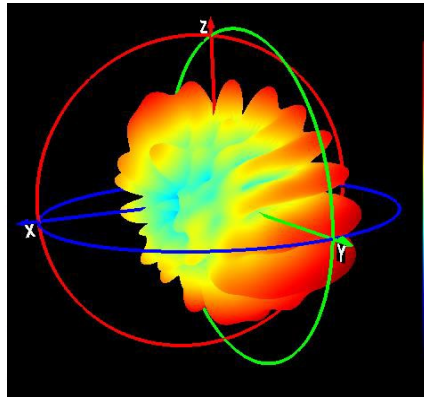


### 3D Gain Pattern\_Ant2

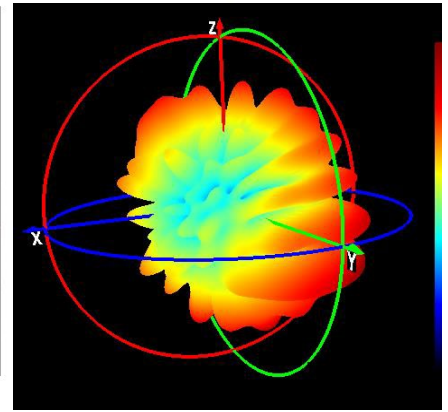
2400MHz



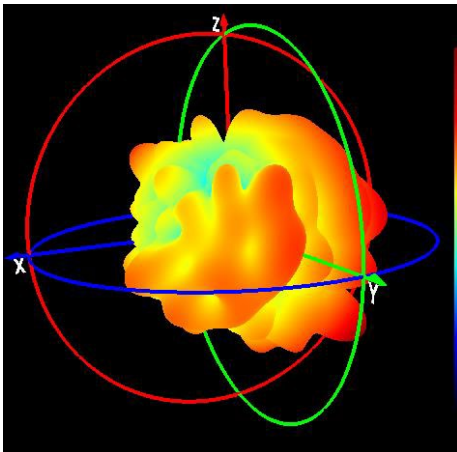
2450MHz



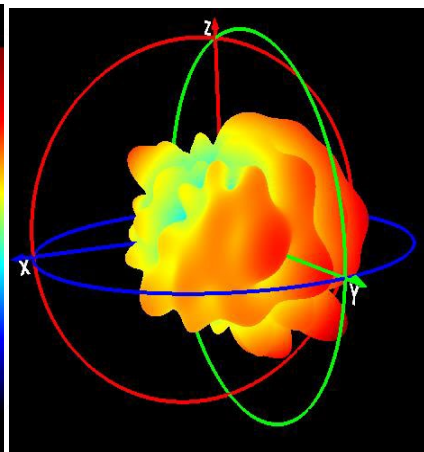
2500MHz



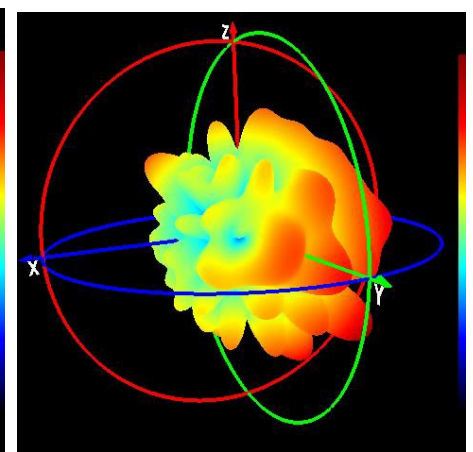
5150MHz



5500MHz



5850MHz







ISO9001 ISO14001 IATF16949 CHILISIN ELECTRONICS CORP.

# Packaging Specifications

文件名稱	連線包裝標準作業指導書			文件編號:	Q-C-3-01-18	
				頁數:	Page 1 of 1	
				版本:	V1.0	
				機密等級:	1	
品名:		BTPA00460725GC7A06		- 包裝		
使用材料				使用工具		
序	料號	名稱	規格說明	序	工具名稱	備註說明
1	/	PE袋	155*200mm	1	封箱機	/
2	/	紙箱	3#箱 (390mm*308mm*115mm)	2	封口機	
3	/			3	透明膠帶	
4	/			4		
5				5		
作業內容				注意事項		
1	將20PCS產品使用泡棉包紮，放入1個PE袋中，即100PCS/袋			1	不可出現數量不符。	
2	將此機種對應的內袋標籤貼於PE袋上(如右圖所示)			2	尾數袋、尾數內盒、尾數外箱都要貼上零頭料標籤，數量標籤	
3	將20袋放入一個紙箱中，即2000pcs/箱。					
4	將此機種對應的成品標籤貼於紙箱左上角					
5						
1 操作圖示						
						
將20PCS產品使用泡棉包紮		將100PCS放入1個PE袋中 內袋標籤尺寸：40*20mm，參考下图		將20袋放入一個紙箱中，即2000pcs/箱。		
						