

承認書

APPROVAL

廠 商
CUSTOMER

神準科技股份有限公司

料 號
PART NO.

7102A0545000

品 名
PARTNAME

ANT DIPOLE 2.4/5GHz A8EEE-000001 WHITE

生產廠商
COMPANY

AWAN_連騰

備 註
PART NO

日 期
DATE

2020.06.20

產品重量(g):
WEIGHT

14.8G

產品主要材質:
MAIN MATERIAL

Cable + Plastic holder + SMA + PCB

公 司
COMPANY

連騰科技股份有限公司

地 址
ADDRESS

新北市新店區北新路三段207-1號B2-F室

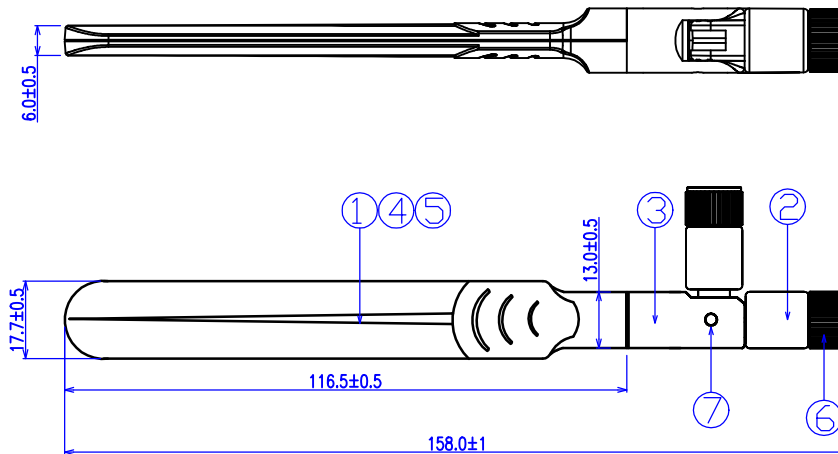
電 話 :
TELEPHONE

886-2-8913-1939

傳 真 :
FAX

886-2-8913-2538

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AWAN P/N		A8EEE-000001								Rev.	EC#	Description		Drawn/Date		Checked/Date		Approved/Date	
SENAO P/N		7102A0545000								X1		New Release		Roy 05/23/22'		Louis 05/23/22'		Louis 05/23/22'	



Electrical Properties	
Frequency	2400~2500 MHz 5150~5850 MHz
Impedance	50 Ohm Nominal
VSWR	< 2
Gain	2.4G~2.5G @ 3dBi±0.5dBi 5.15G~5.85G @ 5dBi±0.5dBi
Polarization	Linear
Mechanical Properties	
CASE	ABS
CONNECTOR	SMA公頭母針
CASE COLOR	White
Operating Temp	-40 ~ +80 °C
Waterproof level	無

7	塑膠外殼	2		POM FM090
6	SMA公頭母針	1		Conn
5	天線PCB FR4	1		PCB
4	天線PCB FR4	1		CABLE
3	上固定座	1		PC S2000VR
2	下固定座	1		PC/PBT ALLOY A724
1	圖形標表上下殼	1		ABS PA757
Item	Name	Q'ty	Part #	Material / Finish
General	Tolerances Unless Otherwise Specified	Drawn	Date	
X	±1.00	Roy	05/23/22'	
.XX	±0.50			
.XXX	±0.20	Design	Date	
Angles	±0.05	Roy	05/23/22'	
X	±3.0°			
.X	±2.0°	Checked	Date	
.XX	±1.0°	Louis	05/23/22'	
Scale	1 : 1	Approved	Date	
Sheet	1 of 1	Louis	05/23/22'	
Unit	mm	3D File		
	Customer Drawing	Design No.	C-A8EEE-01-00	Rev. X1



WB-AP3000X
2&5G_DB_DIPOLE-ANT_HF

Series A8EEE Series A3

HALOGEN FREE

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符合進展環境管理物質技術標準
All materials meet the ACON's spec. Environment - related substances management technical standard.

1

2

3

4

5

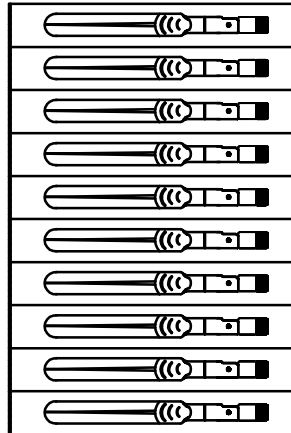
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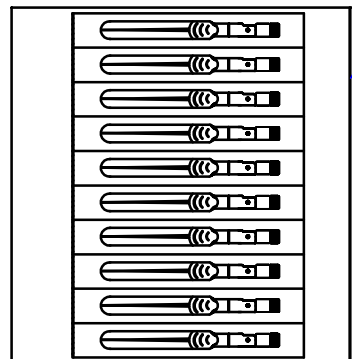
排袋尺寸305*205*0.1mm



10 PCS產品/排袋

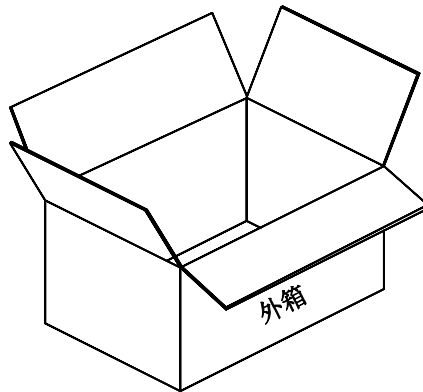


PE袋尺寸250*250*0.1mm



夾鏈

外箱使用透明膠帶工字型封裝



500 PCS產品/箱

外箱尺寸：31*30*20 CM

50 PCS產品/PE袋

A

B

C

D

E

F

Rev.	EC#	Description	Drawn/Date	Checked/Date	Approved/Date
X1		New Release	Roy 04/27/22'	Louis 04/27/22'	Louis 04/27/22'

Part Number	PCS/排袋	PCS/PE Bag	PCS/Carton	N.W(kgs)	G.W(kgs)
A8EEE-000001	10	50	500		

Tolerances Unless Otherwise Specified		Drawn	Date	 AWAN ADVANCED WIRELESS & ANTENNA INC.	
General		Roy	04/27/22'		
Angles		Roy	04/27/22'		
Scale		Louis	04/27/22'		
Sheet	1 of 1	Checked	Date	Title WB-AP3000X_2&5G_DB_Dipole-Ant PACKAGE DRAWING	
Unit	mm	Approved	Date		
		Louis	04/27/22'	Series	A8EEE
		3D File		Series	
		Drawn		Drawn No.	P-A8EEE-01-00
				Size	A3
				Rev.	X1

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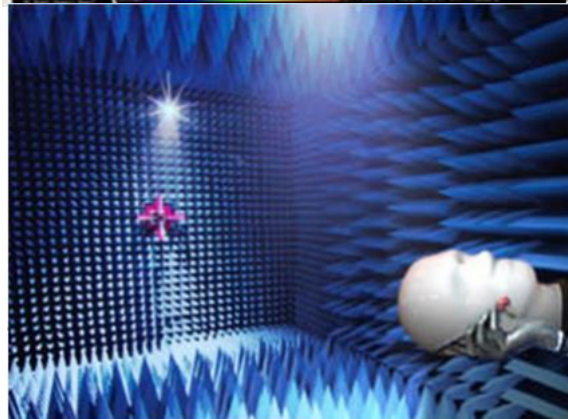
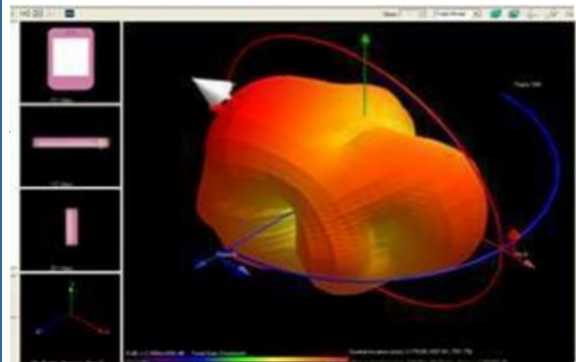
HSF相關均質拆分及測試點選擇參照
<HSF均質物質拆分作業圖示表>

符合AWAN環境管理物質技術標準

All materials meet the AWAN's spec. Environment - related substances management technical standard.

AWAN-DB Dipole Antenna

AWAN S/N: A8EEE-000001
Customer S/N: 7102A0545000



- Antenna proposal and specification
- Antenna Placement
- Measurement data

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Antenna proposal and specification

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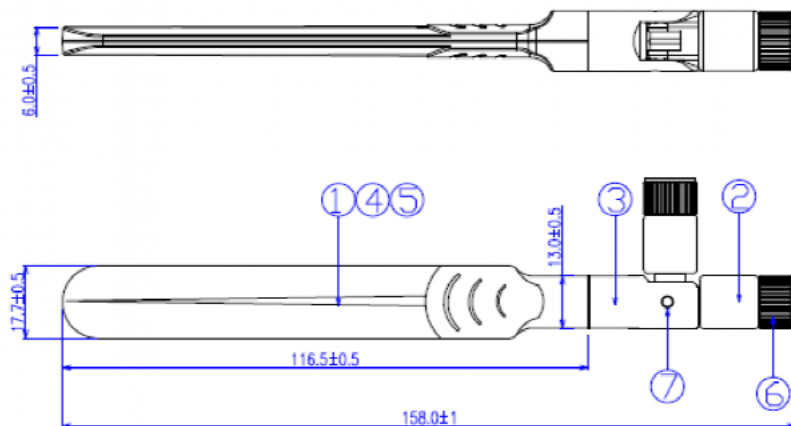
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Antenna Proposal

Antenna type	• Dipole array
Frequency	2400 ~ 2500 MHz 5150 ~ 5850MHz
Impedance	50 Ohm Nominal
VSWR	< 2
Gain	2.4G ~ 2.5G @ 3dBi ± 0.5 dBi 5.15G ~ 5.85G @ 5dBi ± 0.5 dBi
Efficiency	2.4G ~ 2.5G @ 55~60% 5.15G ~ 5.85G @ 60~70%
Polarization	Linear
Physical Properties	
Operating Temp	-40 ~ +80 ° C
Storage Temperature	-45 ~ +85 ° C
Connector	SMA Male



- Antenna proposal and specification
- Antenna Placement
- Measurement data

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- Measurement data
 - VSWR
 - Radiation pattern
 - Gain table

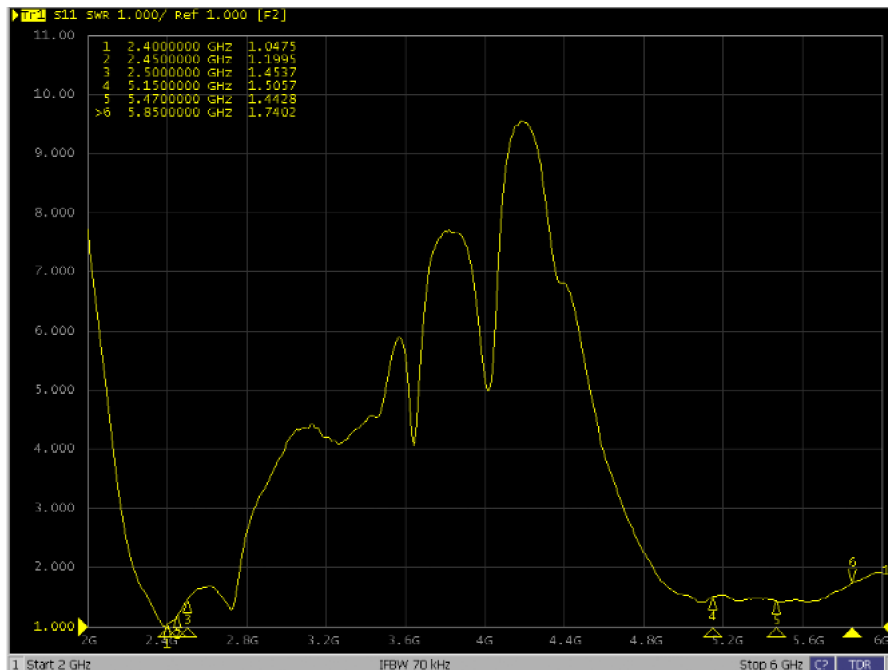
Measurement data

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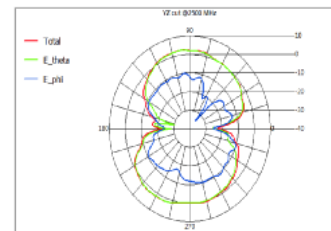
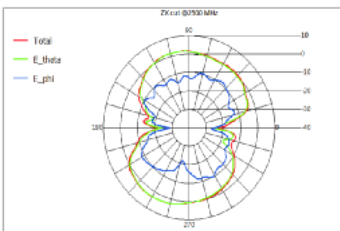
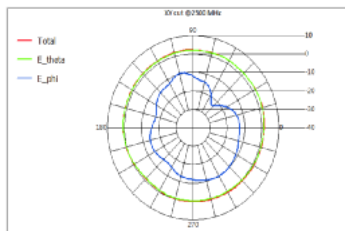
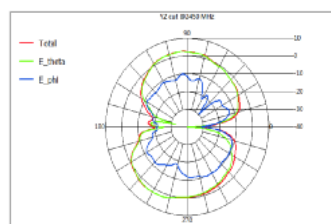
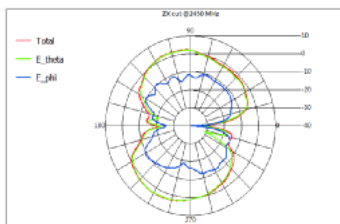
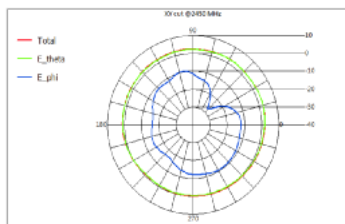
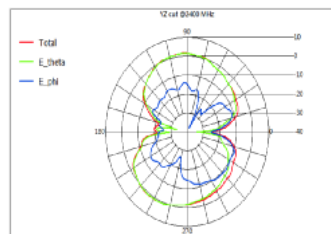
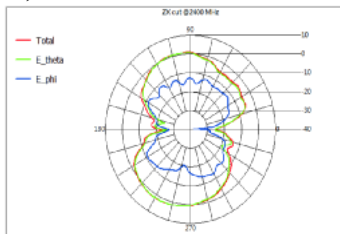
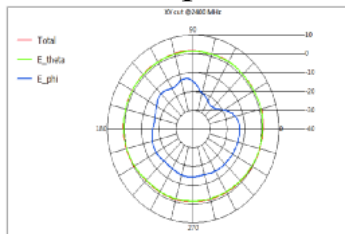
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VSWR



- Antenna proposal and specification
- Antenna Placement
- Measurement data
 - VSWR
 - Radiation pattern
 - Gain table

Radiation pattern 2.4G (2D)

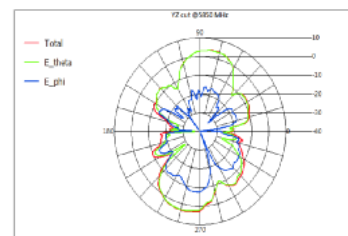
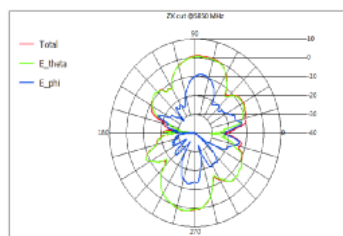
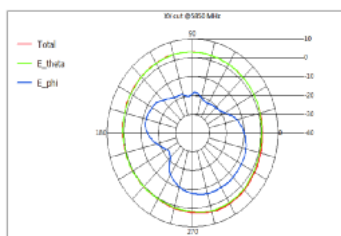
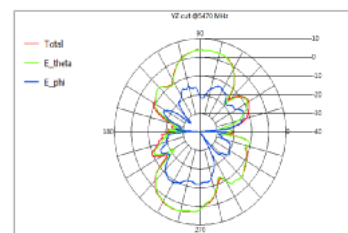
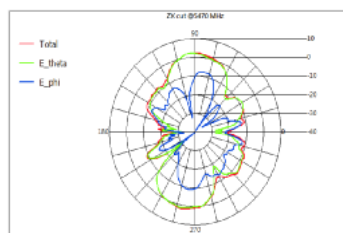
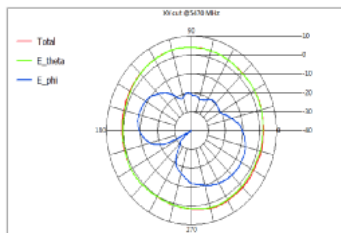
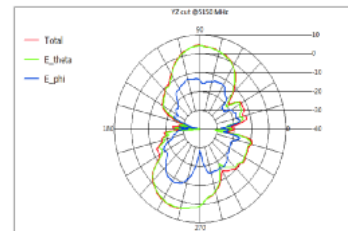
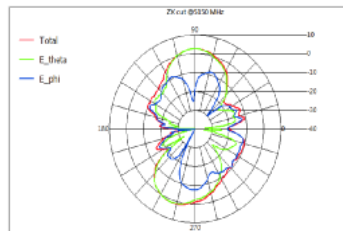
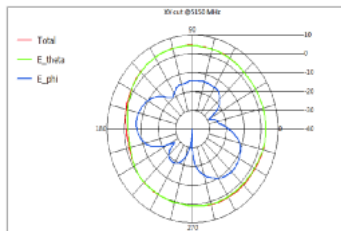


Measurement data

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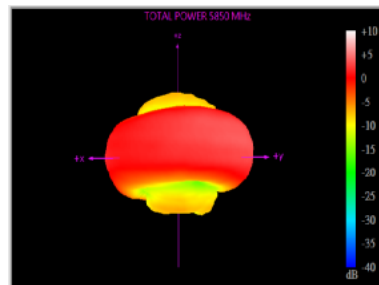
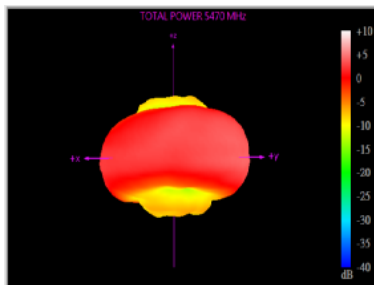
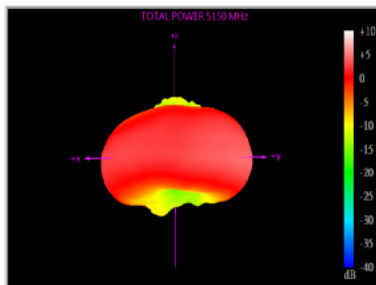
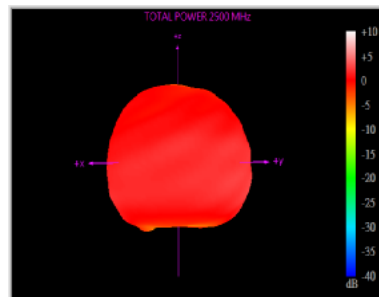
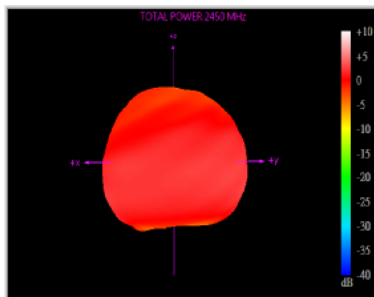
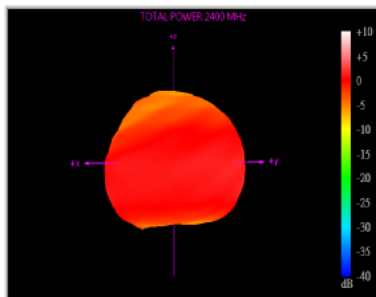
Measurement data

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Radiation pattern 2.4G & 5G(3D)



- Antenna proposal and specification
- Antenna Placement
- Measurement data
 - VSWR
 - Radiation pattern
 - Gain table

Measurement data

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Gain table

Frequency (MHz)	Peak Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	3.08	-2.20	60.28
2450	3.17	-2.27	59.33
2500	3.23	-2.35	58.15
5150	5.11	-1.90	64.63
5250	4.67	-1.85	65.37
5350	5.02	-1.63	67.75
5470	4.85	-1.95	63.79
5725	5.15	-2.04	62.55
5850	5.22	-2.17	60.64

材料组成表

厂商: 昆山展騰電子科技有限公司

机种：2&5G_DB_DIPOLE-ANT 14.8g

料号：A8EEE-000001

料号/品名	材料组成（须至均质单位）	供應商
線	1.37低損耗同軸線灰色	AWAN
桿套	ABS	AWAN
上固定座	PC+PBT	AWAN
下固定座	PC+PBT	AWAN
SMA頭	公頭母針	AWAN
PCB	FR4	AWAN
鉚釘		AWAN



*天線功能較為敏感，主體周邊機構有變更請通知我們評估

*PCB OSP、處氧化（黑斑）屬正常現象，並不影響其功能特性