

承認書

SPECIFICATION FOR APPROVAL

☒樣品承認 ☐新品承認 ☐規格/材質變更承認

客戶名稱(Customer):	金磚通訊科技股份有限公司		
客戶料號(Customer P/N):			
產品料號(Product No.):	A8-A006-00708		
產品品名(Product Name) :	PCB 2400~2500MHz 4.6dBi 56.22mmx31.98mm T0.8 GRAY OD1.13 LOW LOSS 67mm MHF compatible PLUG ADD SPONGE		
文件編號(Approved No) :			
日期(Issued Date) :	2023 年 07月 31日		
客戶承認簽章 Customer Approval Signature	In Charge	Checked	Approval

TSKY™ 天凱科技股份有限公司 TSKY CO., LTD.

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業務	核准	審核	主辦員
Gary	Nydia	Eric	Helen

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Specification

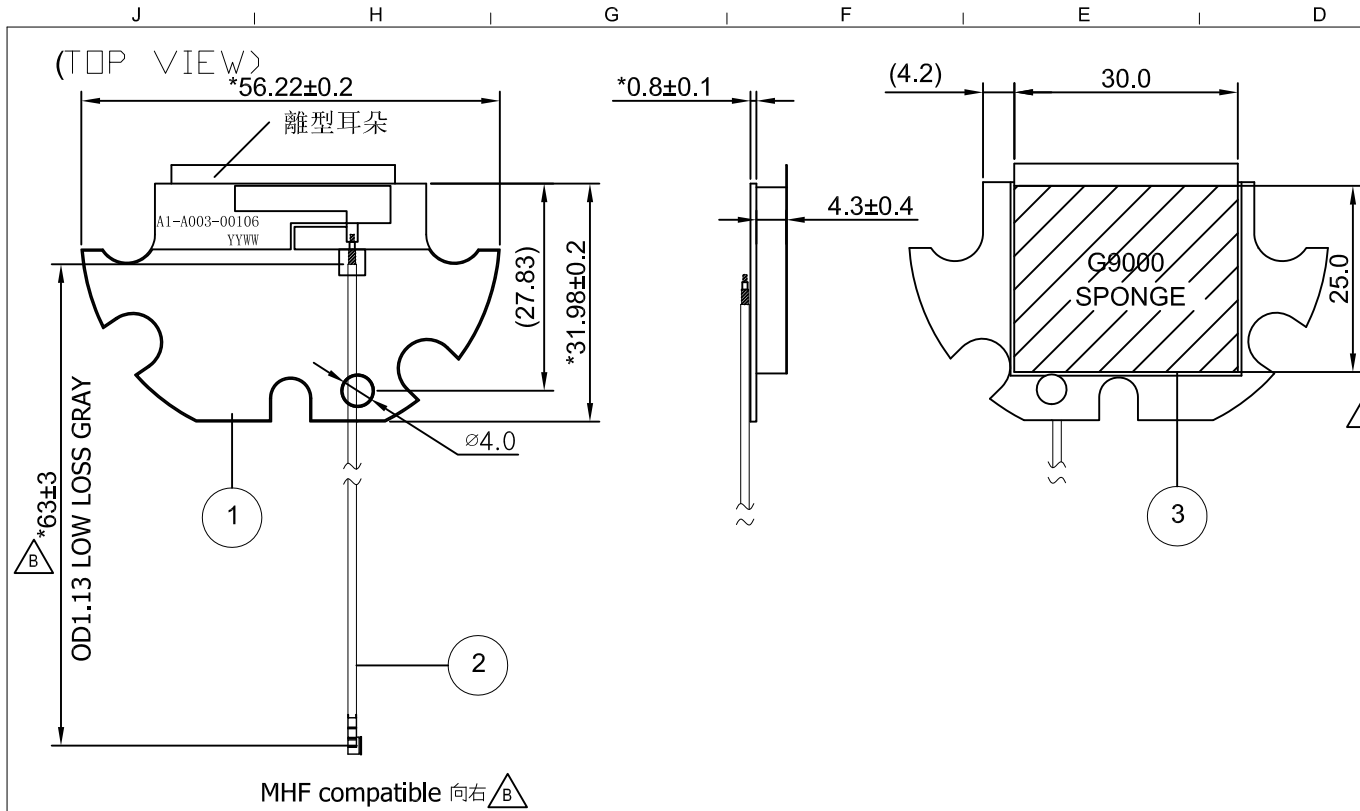
- **Electrical Properties :**

1. Frequency : 2400~2500MHz
2. Impedance : 50Ω
3. Return Loss : $\leq -10\text{dB}$
4. Peak Gain : 4.6dBi

- **Physical Properties :**

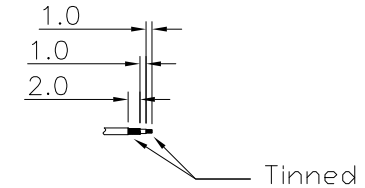
1. Material : FR-4 T=0.8mm
2. Cable : D1.13 Low Loss
3. Connector : MHF compatible PLUG

C			B	A	
REV	ECN NO.	DRAWING	DESCRIPTION	APPROVED	DATE
A		Jane	初次發行	Gary	2023/7/10
B		Nydia	變更線長端子方向	Gary	2023/8/2



ELECTRICAL:
Frequency: 2400-2500 MHz
Impedance: 50Ω
Peak Gain: 4.6dBi
Return Loss: ≤ -10 dB

MECHANICAL:
 Cable: DD1.13 LOW LOSS GRAY L=67mm



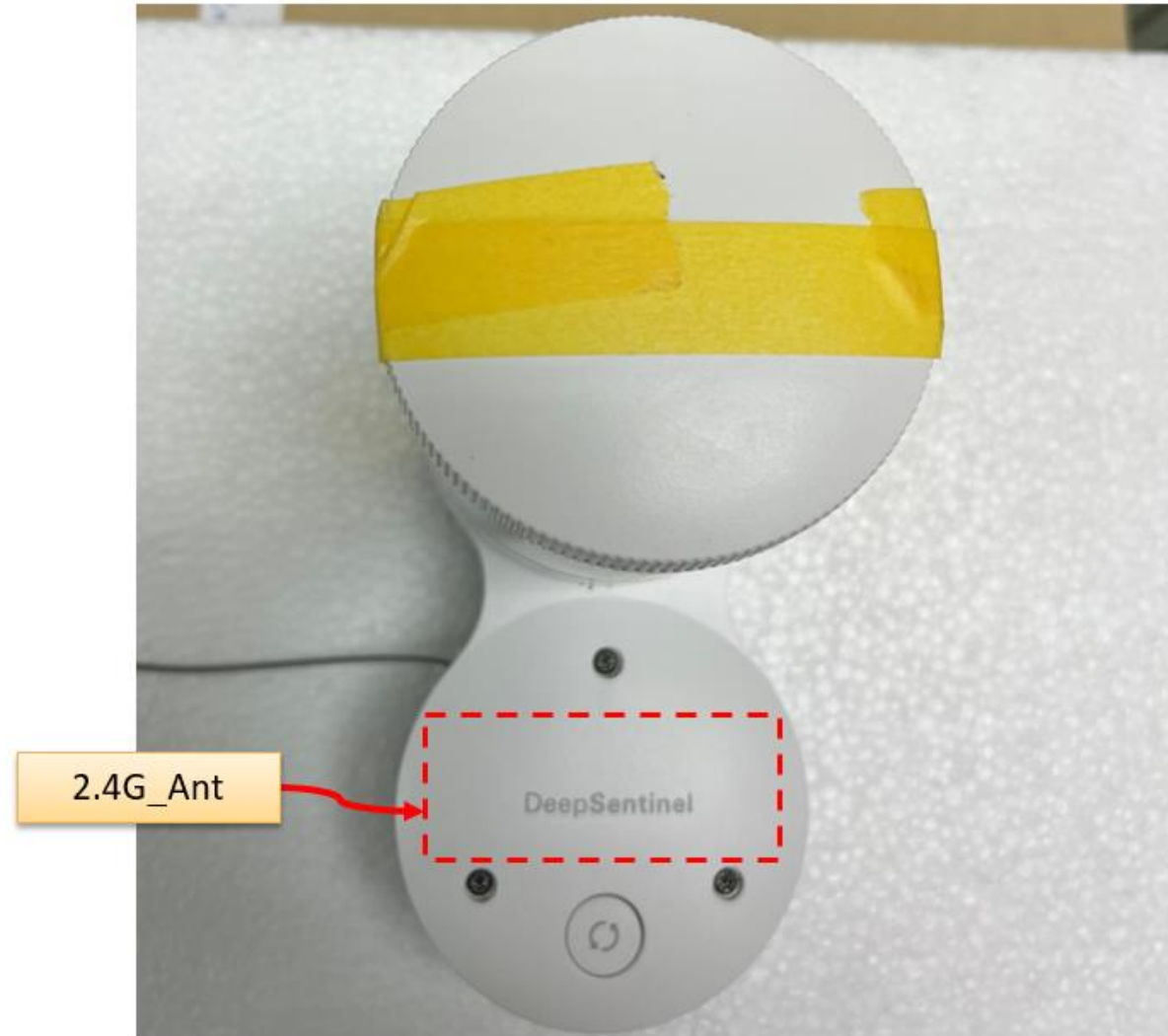
NOTE:

- 1.文字顏色為黑色
- 2.*為重點量測尺寸
- 3.MHF compatible方向請按照圖面所示
- 4.YYWW為date code,會隨著生產週期產生序號
- 5.焊錫量不可超過防焊線

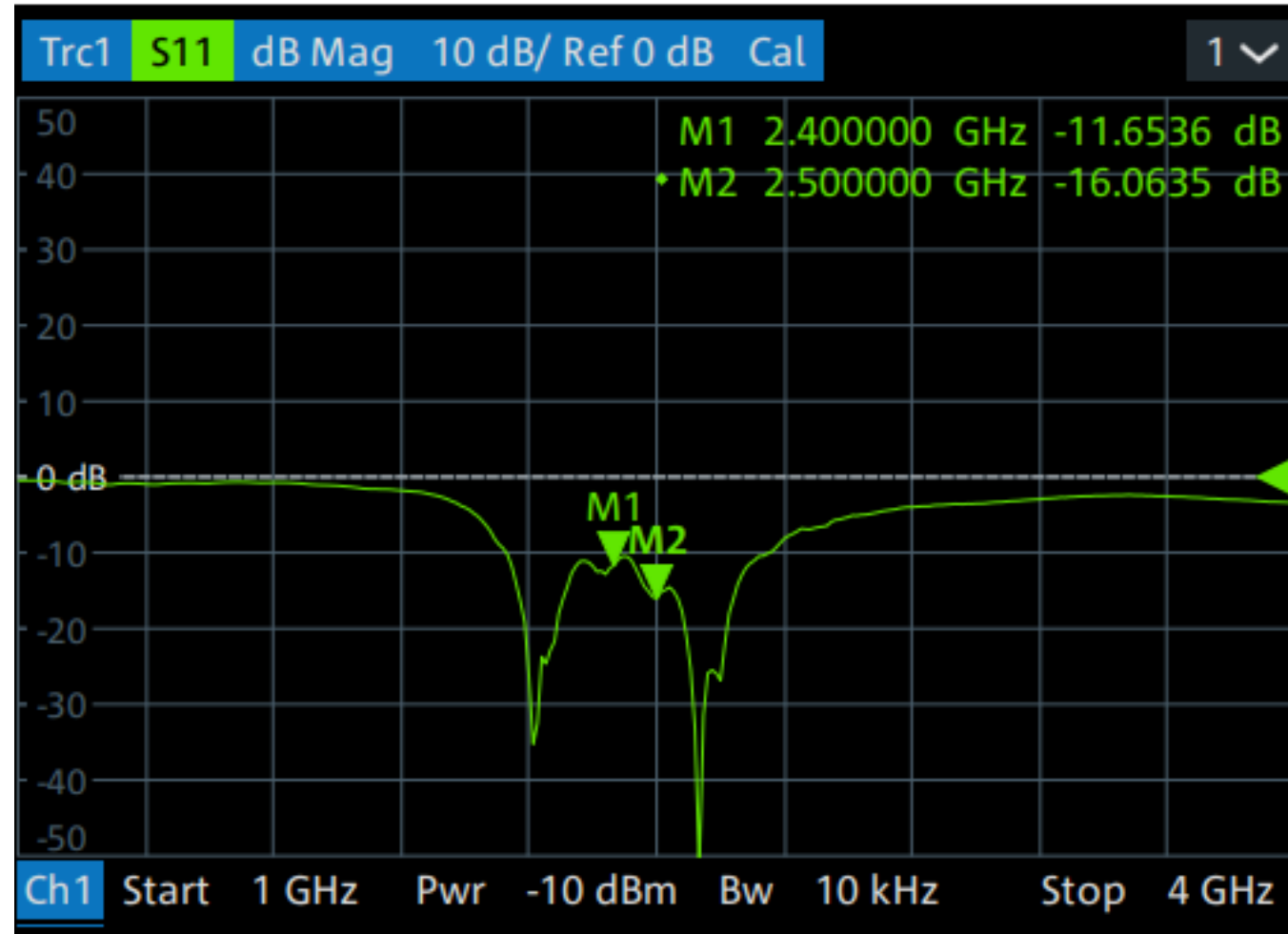


NO					DESCRIPTION					Q'TY	REV
B	1	PCB FR-4 L56.22 W31.98 T0.8mm 表面處理:單面化鎳 FOR A8-A006-00708								1	A
	2	RF CABLE OD1.13 LOW LOSS 67mm GRAY MHF compatible PLUG+2.0(編)-1(絕)-1(芯),CM								1	A
	3	SPONGE L30 W25 H4mm EVA#60D 黑色 G9000雙面背膠(30*25面) FOR A8-A006-00708								1	A
TOLERANCE UNLESS OTHERWISE SPECIFIED				TSKY CO., LTD.					INITIAL MODEL:		
DIMENSION		ANGLES		CONFIDENTIAL	FINISH:			PART NAME			
X±	0.2	X.°±	0.5		SIZE:	UNIT:	SCALE:	PCB 2400~2500MHz 4.6dB			
.XX±	0.1				DRAWING	DESIGNED	CONCURRED	APPROVED	56.22mmx31.98mm T0.8 GRAY OD1.13 LOW LOSS 150mm MHF compatible PLUG ADD		
.XXX±	0.05			Nydia			Gary	PART NO. A8-A006-00708		REV. B	SHT. 1/1

Antenna Overview

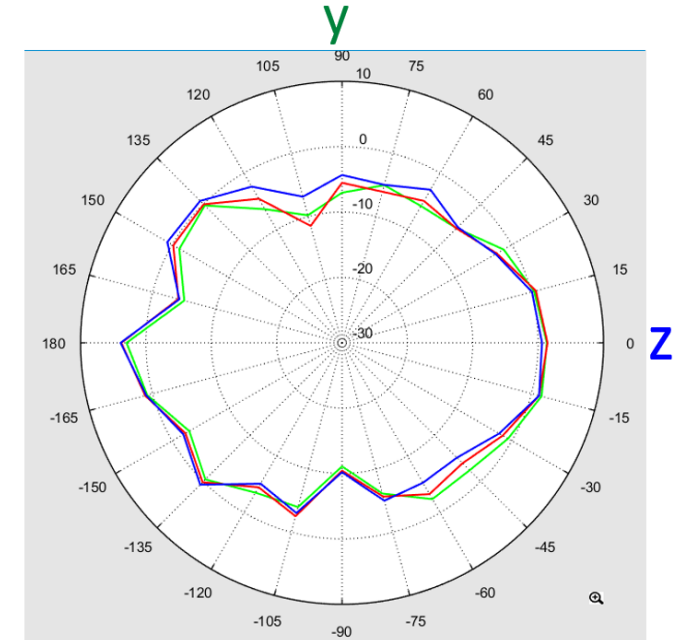
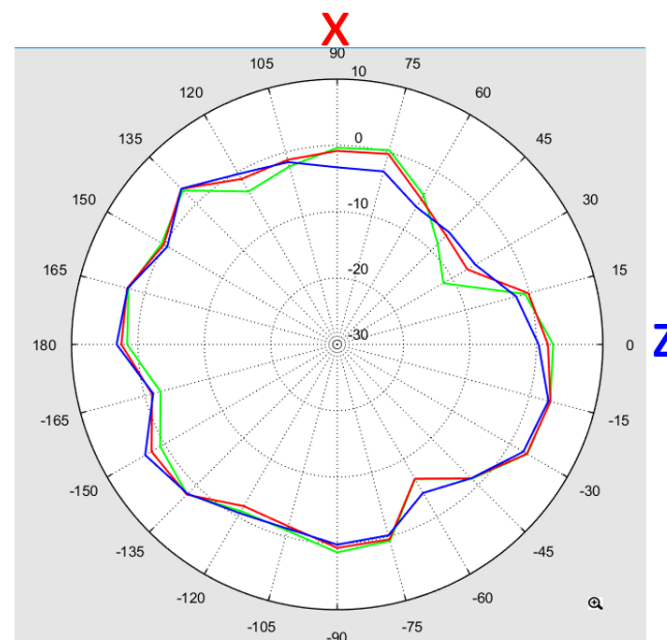
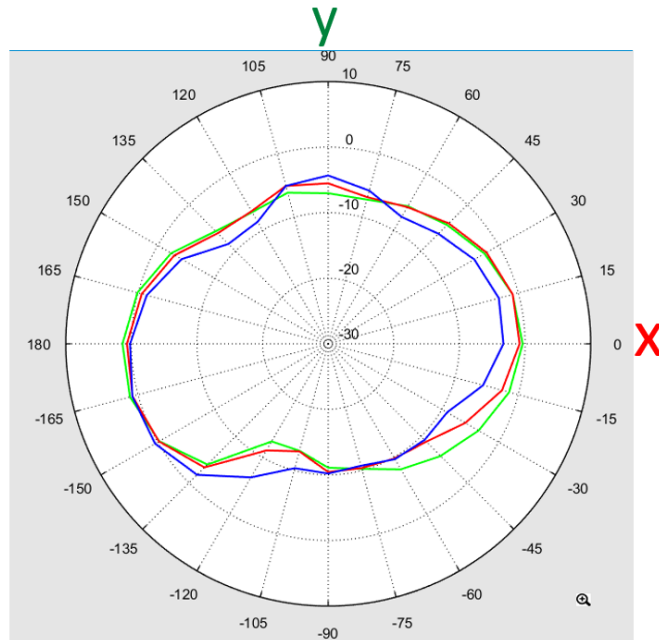
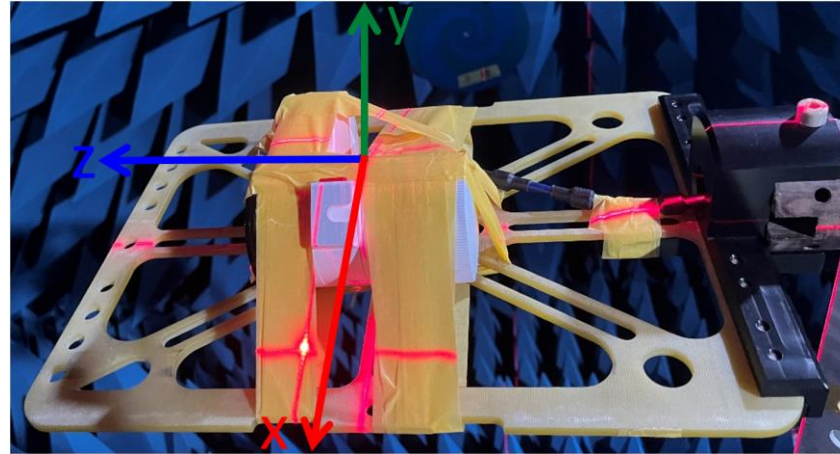


2.4G Antenna Return Loss



2.4G Antenna GainTotal (dBi) Pattern

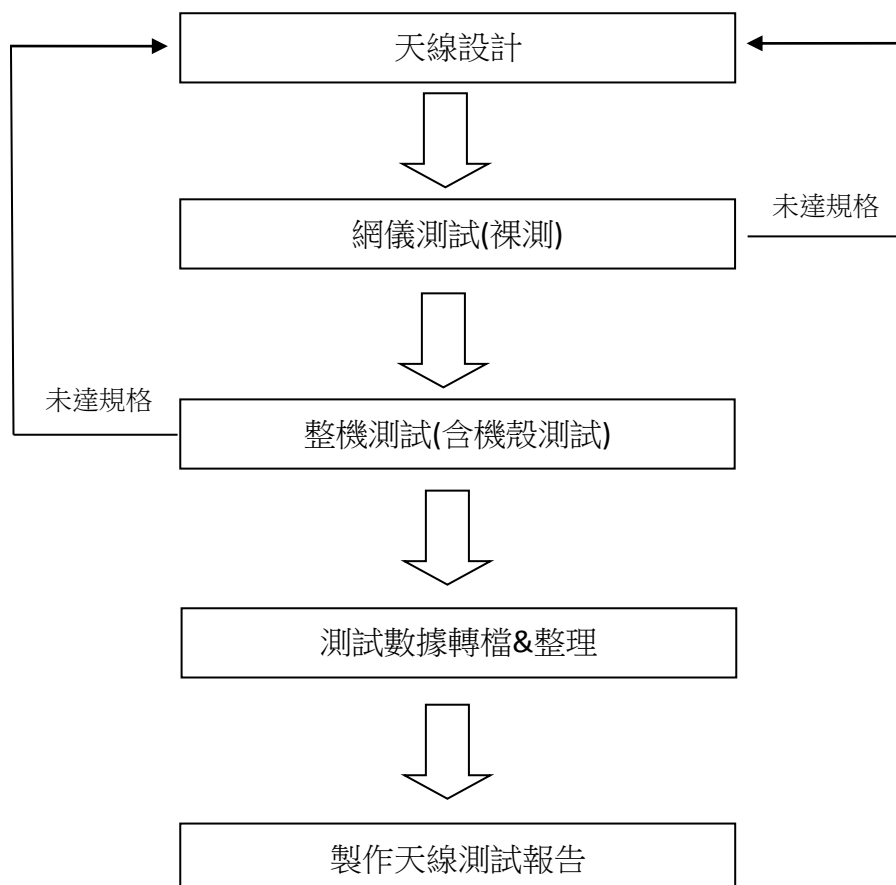
Green	2400 MHz
Red	2450 MHz
Blue	2500 MHz



2.4G Antenna Efficiency & Peak Gain

2.4G Antenna			
Frequency (MHz)	2400	2450	2500
Antenna Efficiency (%)	66.5	68.1	68.5
Antenna Peak Gain (dBi)	3.7	4.2	4.6

天線測試程序



測試地點：天凱科技股份有限公司

測試 RD：嚴冠霖