



Pulse

a YAGEO company

RoHS & Halogen Free & REACH Compliance

產品規格承認書

SPECIFICATION FOR APPROVAL

Customer : Altek

Vendor code : _____

MACHINERT: SY AICAM

PART NAME : WIFI 4 MAIN RIGHT

Customer P/N : 117-0117-001

Pulse P/N : TZ2726W Date : 2024/04/09

SPECIFICATION			
ACCEPTED BY:			
核准	審核	承認者	承認單位

審核	作成
Mark / JY	KEN / Sean



Pulse
A YAGEO Company

新加坡商普思電子有限公司

PULSE ELECTRONICS (SINGAPORE) PTE LTD

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Province, suzhou 215009, P.R. China

Description:
WIFI 4 MAIN RIGHT



Series: SY AICAM

CUSTOMER P/N:117-0117-001
PULSE P/N: TZ2726W

REV.	ORIGINATOR	DATE	CHANGE DESCRIPTION
V01	Ken	2024/02/19	MP
V02	Sean	2024/04/09	新增 WiFi 6E (6GHz 頻寬)

Description:

WIFI 4 MAIN RIGHT

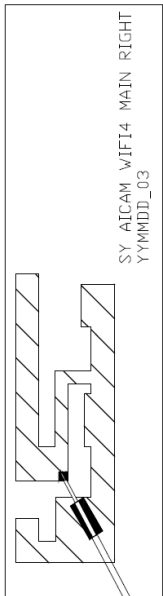


Series: SY AICAM

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Features:

- WiFi 6E antenna
- Flexible Printed Circuit
- 1.13mm LLS cable with IPEX4代
- RoHS Compliant



Applications:

- AI CAM

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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Series: SY AICAM

CUSTOMER P/N: 117-0117-001
PULSE P/N: TZ2726W**ELECTRICAL SPECIFICATIONS**

Antenna Type	FPC Dipole
Frequency	2.4-2.5 GHz 5.15-5.85 GHz 5.925-7.125 GHz
Nominal Impedance	50 Ω
Radiation Pattern	Omni
Gain	Refer to below table
Polarization	Linear
Power Withstanding	1W

MECHANICAL SPECIFICATIONS

Overall Length	77.25x20.6x0.15mm
Antenna Color / Material	See table, P3
Connector type	See table, P3
Cable type	See table, P3
Cable length	See table, P3
Adhesive tape	See table, P3

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 ~ +85°C
Storage Temperature	-40 ~ +85°C
RoHS Compliant	Yes

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MECHANICAL DRAWING

Technical drawing of a PCB connector assembly, showing dimensions and specifications.

Dimensions:

- Overall length: 77.25 ± 0.15
- Internal length: 37.65
- Width: 20.60 ± 0.15
- Angle: 93.6 ± 2

Notes:

- Surface finish quality to PULSE P05030.003 class III. No visual requirements, only functional.
- Part surface must be clean and free from release agent, grease, fingerprint oil and dust or any other contaminant.
- Inlets marking to be in approximate positions shown.
- For complete documentation this drawing must be accompanied by a 3D cap-file with part version number as stated in the title block.

Technical Requirements:

- Max T=0.15mm, 綠色為佈銅, 黃色為漏銅OSP處理, 紅色為背膠露銅區域表面處理: OSP (0.1~0.2 μ m)
- 背膠tesa68532, ED銅 0.5oz, PI基材 (0.5mil), 上黑色油墨, 白色文字
- 產品符合无鹵素要求。
- 未標注公差0.15mm, 未標注尺寸按圖檔要求。

Technical Requirements:

- FPC不可有皺褶, 浮翹, 破損, 脫落, 浮貼現象
- 工程圖上"#"號為重點尺寸標註指示
- 工程圖上"#"號為Cpk量測尺寸標註指示

Altek P/N: 117-0117-001

ITEM	Name	Specification	Description	QTY
8				
7				
6				
5				
4	端頭保護套	PE套管(透明), 規格1.5		1
3	FPC	77.25x20.6x0.15mm		1
2	CABLE	1.13mm low loss(無), L=93.6mm		1
1	CONNECTOR	I IPEX 4代 (20565-001R-13)		1

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Functional Characteristics Key (Cpk requirement > Cpk)

- Process Capability Studies required (total pcs)
- Ongoing Statistical Process Control Required (total pcs)
- Critical dimension need to be measured, no Cpk requirement (total pcs)

Products: T2726W

Item Name: SY AICAM WIFI4 MAIN RIGHT

Document Number: T2726W

Handling: ASSOCIATED

Scale: 1:1

Design: KEN

Checked: KEN

Approved: CHENG

Braving Revision: V05

Document Version: 10

Date: 20240219

MOB:

Name:

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Description:
WIFI 4 MAIN RIGHT



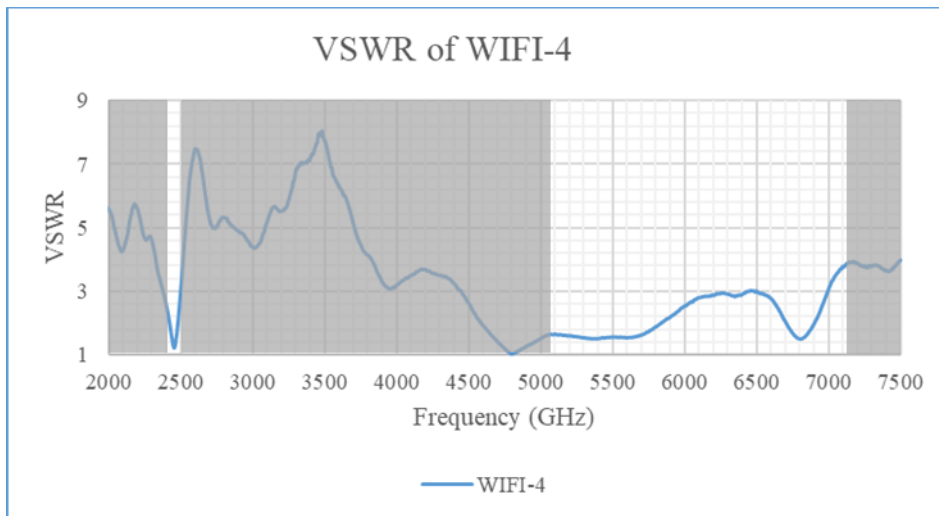
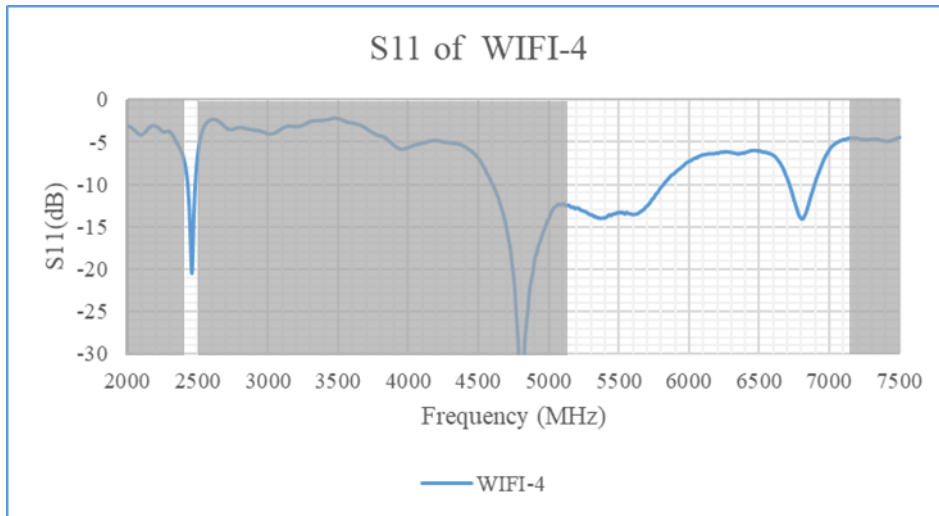
Series: SY AICAM

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PULSE P/N: TZ2726W

TEST SETUP

S11 of WIFI4



Description:
WIFI 4 MAIN RIGHT

Series: SY AICAM
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PULSE P/N: TZ2726W

TEST SETUP

Efficiency of WIFI4

	WIFI-4		
Freq (MHz)	Eff.(dB)	Eff.(%)	Peak Gain (dBi)
2400	-2.54	55.7	3.57
2450	-1.93	64.1	3.80
2500	-2.48	56.5	3.68
5150	-2.05	62.4	5.11
5250	-2.06	62.2	5.93
5320	-2.16	60.8	5.57
5470	-1.89	64.7	5.07
5600	-1.59	69.3	5.58
5725	-1.69	67.8	5.78
5785	-1.93	64.1	5.41
5850	-1.71	67.5	6.11
5925	-2.02	62.8	4.40
6085	-2.86	51.8	4.20
6125	-3.46	45.1	3.58
6225	-3.96	40.2	3.43
6325	-3.64	43.3	2.94
6425	-3.26	47.2	3.65
6565	-2.01	63.0	4.72
6625	-1.85	65.3	4.87
6725	-1.90	64.6	5.66
6885	-1.74	67.0	6.01
6925	-2.16	60.8	5.01
7000	-2.60	55.0	5.22
7125	-3.97	40.1	4.52

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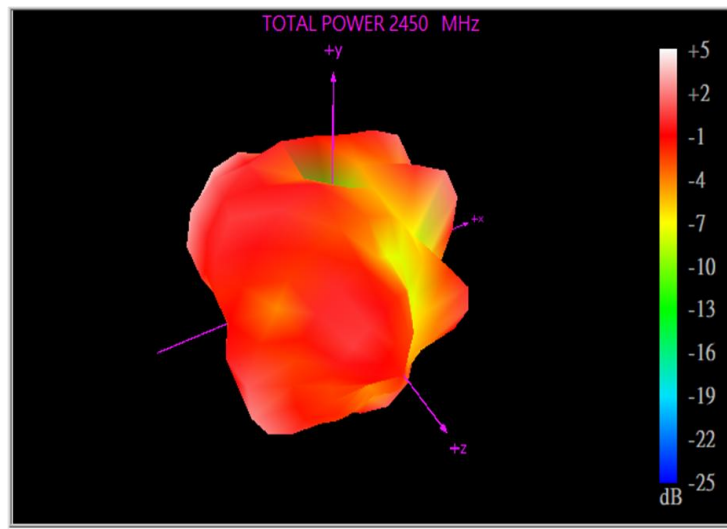
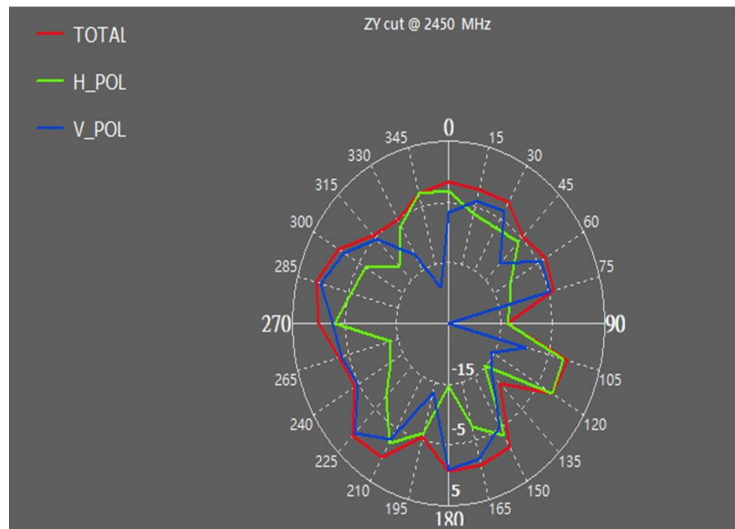
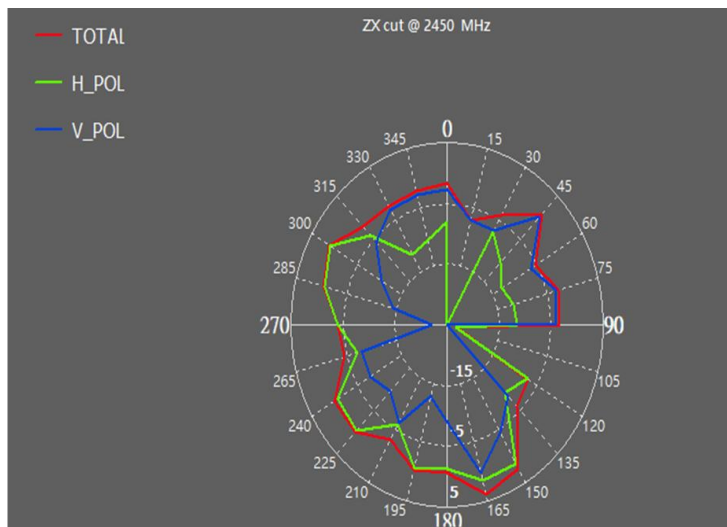
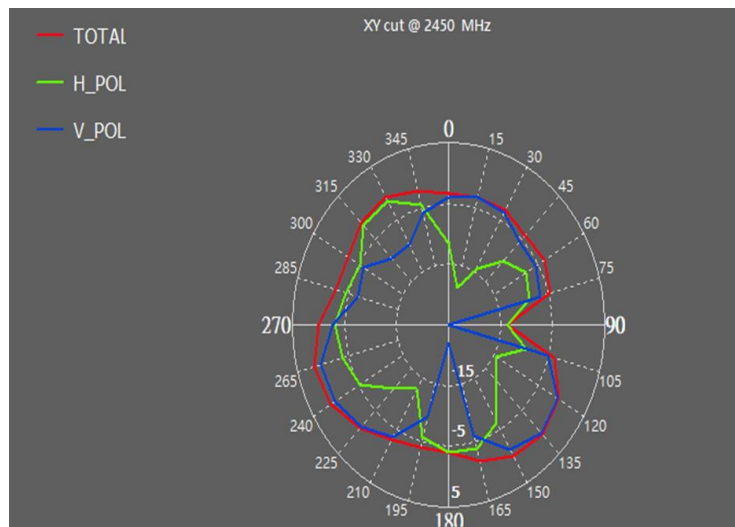
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CHARTS

Radiation Pattern of WIFI4(2450 MHz)



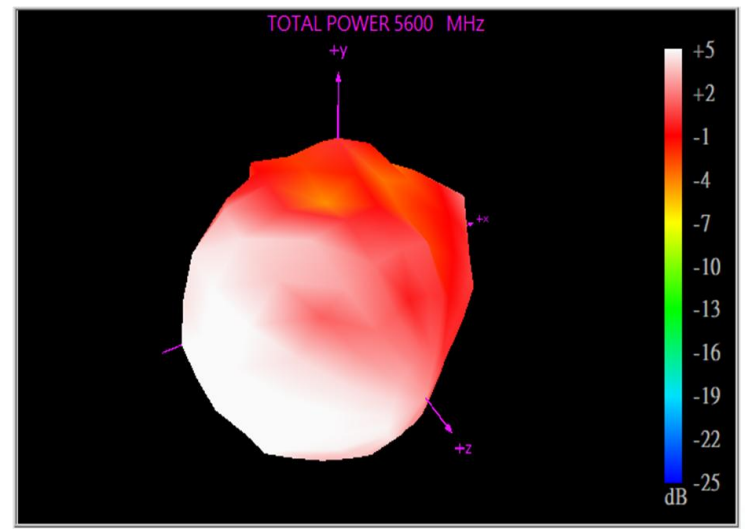
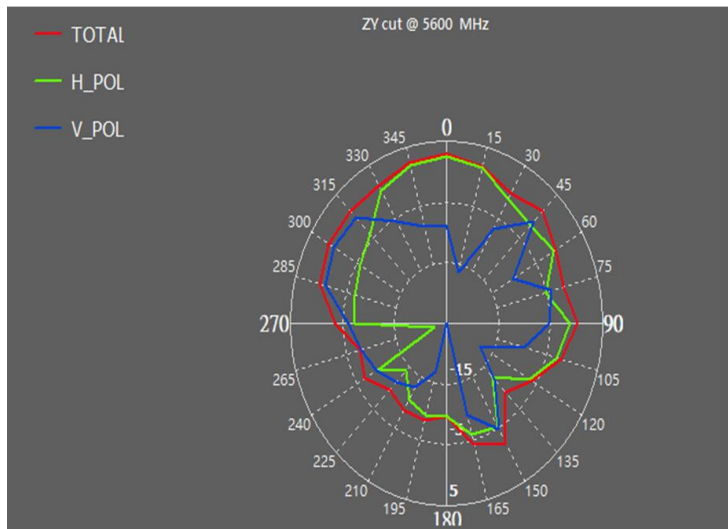
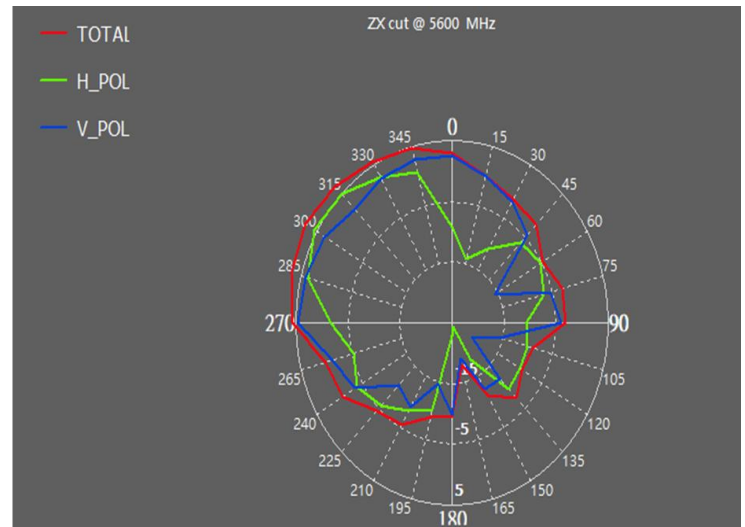
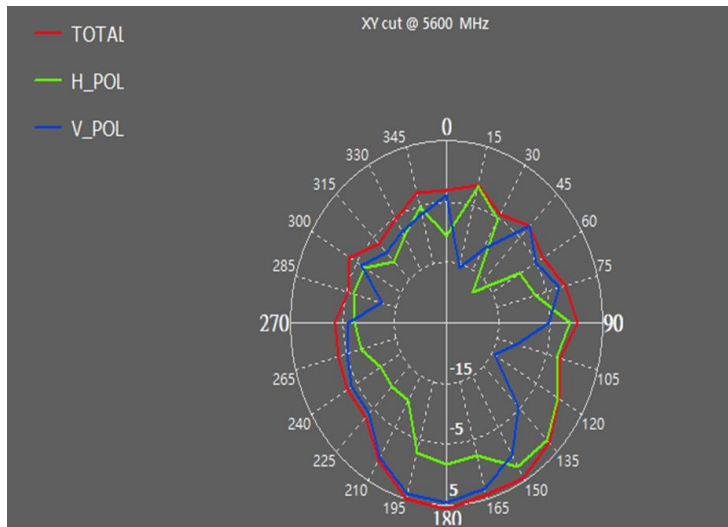
Series: SY AICAM

CUSTOMER P/N: 117-0117-001

PULSE P/N: TZ2726W

CHARTS

Radiation Pattern of WIFI4(5600 MHz)



Series: SY AICAM

CUSTOMER P/N: 117-0117-001
PULSE P/N: TZ2726W

CHARTS

Radiation Pattern of WIFI4(6565 MHz)

