

Description:

WIFI 4 MAIN RIGHT

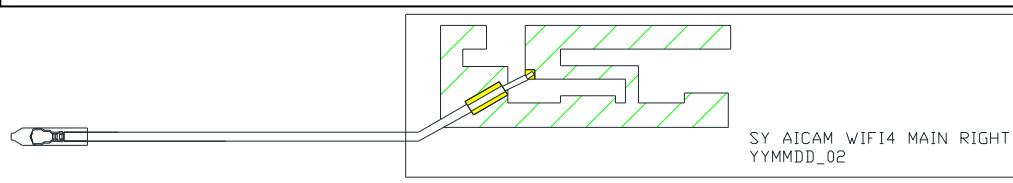


Series: SY AICAM

CUSTOMER P/N:
PULSE P/N: TZ2726W

Features:

- WLAN 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:**
PULSE P/N: TZ2726W**ELECTRICAL SPECIFICATIONS**

Antenna Type	FPC Dipole
Frequency	2.4-2.5 GHz 5.15-5.85 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

A		B		C		D		E		F		G	
MD	Description	DATE	EDITOR	Please follow Pulse Limits for the hazardous substances (RoHS, halogens) in the document "Pulse Hazardous Substances (HS) Limits (RPG004)" and "Vendor Survey Questionnaire, Material Composition (LDM-SAF-L0040)".		Reliability Test Spec according to W719 (Reliability Test Working Instruction) Default test standard is Test Standard A if no definition							
P1	New Release	23/06/01	KEN										
P2	Revised PATTERN	23/08/25	KEN										

技? 要求:

- 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 μm)
- 背? tesa68532,ED銅 0.5oz, PI基材(0.5mil),上黑色油墨,白色文字
- 产品符合无卤素要求。
- 未标注公差0.15mm, 未标注尺寸按图档要求。

技? 要求:

- 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

Note:

- Surface finish quality to PULSE PQ.5.030.000 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.
- Inkjet marking to be in approximate positions shown.
- For complete documentation this drawing must be accompanied by a 3D cad-file with part vers, number as stated in the title block.

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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)

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	77.25x20.60x0.15mm	1
2	CABLE	1.13mm low loss(黑),L=90mm	1
1	CONNECTOR	IPEX 4代	1

Altek VERSION:		Altek P/N:	
		117-0117-001	

Pulse (Suzhou) Wireless Products Co., Ltd.			
99 HUIJIA RE SUZHOU NEW DISTRICT SUZHOU 215009 P.R.CHINA WWW.PULSEELECTRONICS.COM/ANTENNAS			
PRODUCT(S) TZ2726W		Scale 1:1	
ITEM NAME SY AICAM WIFI4 MAIN RIGHT		DOCUMENT NUMBER TZ2726W	
		HANDLING GENERAL TOLERANCE ASSOCIATED	
		DESIGN KEN CHECKED KEN APPROVED CHENG	
		DRAWING REVISION P02	
		DOCUMENT VERSION P1	
		P2 20230825 KEN P1 20230601 KEN MD DATE NAME	

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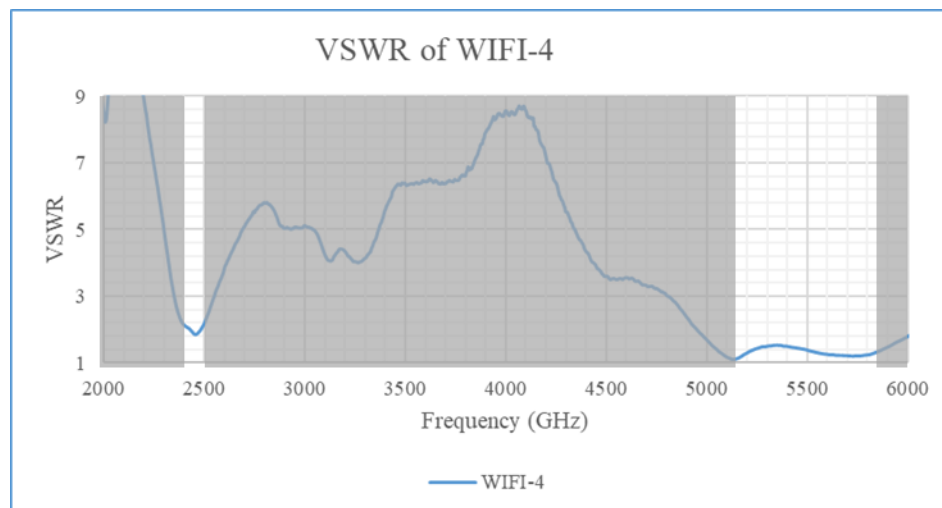
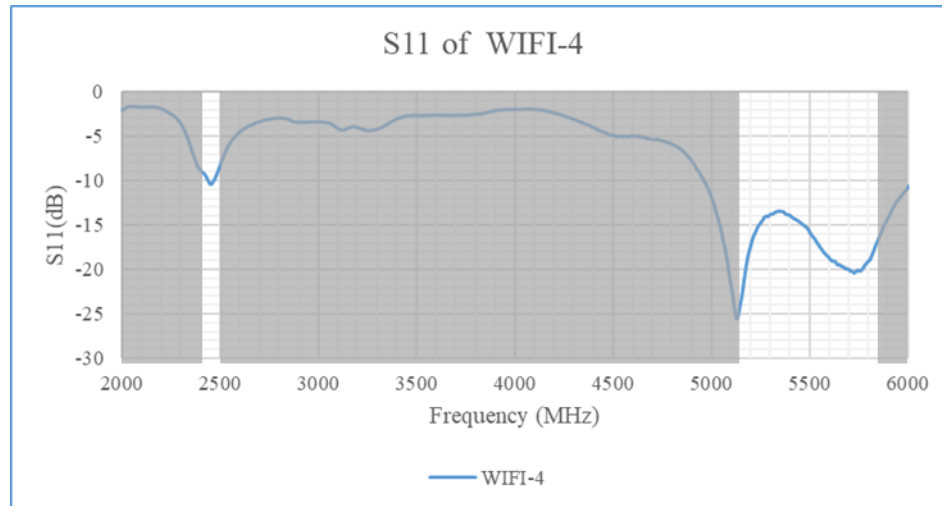


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TEST SETUP

S11 of WIFI4



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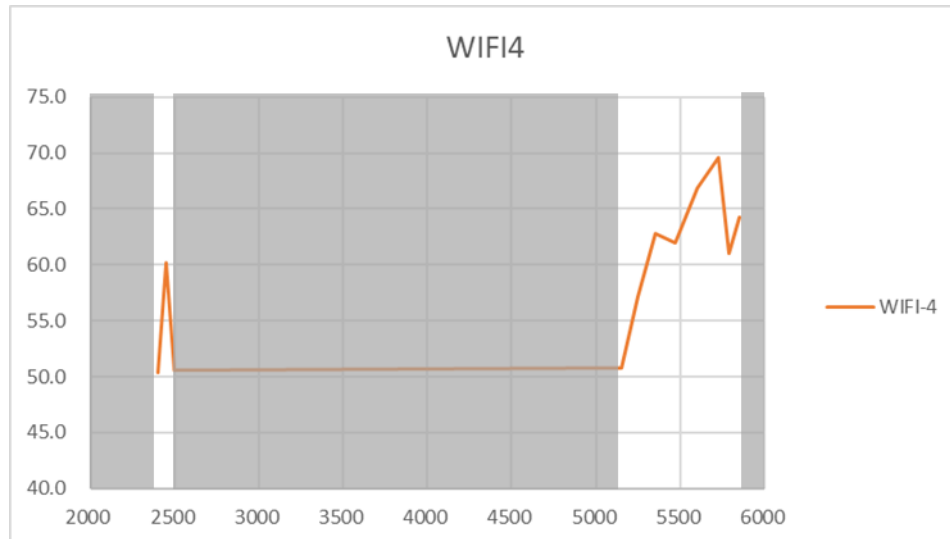


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TEST SETUP

Efficiency of WIFI4



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TEST SETUP

Efficiency of WIFI4

	WIFI4		
Freq (MHz)	Eff.(dB)	Eff.(%)	Peak Gain (dBi)
2400	-2.98	50.4	4.53
2450	-2.21	60.1	4.67
2500	-2.96	50.6	4.42
5150	-2.94	50.8	4.79
5250	-2.43	57.1	4.09
5350	-2.02	62.8	5.24
5470	-2.08	61.9	5.10
5600	-1.75	66.8	5.21
5725	-1.58	69.5	6.28
5785	-2.15	61.0	5.60
5850	-1.92	64.3	5.61

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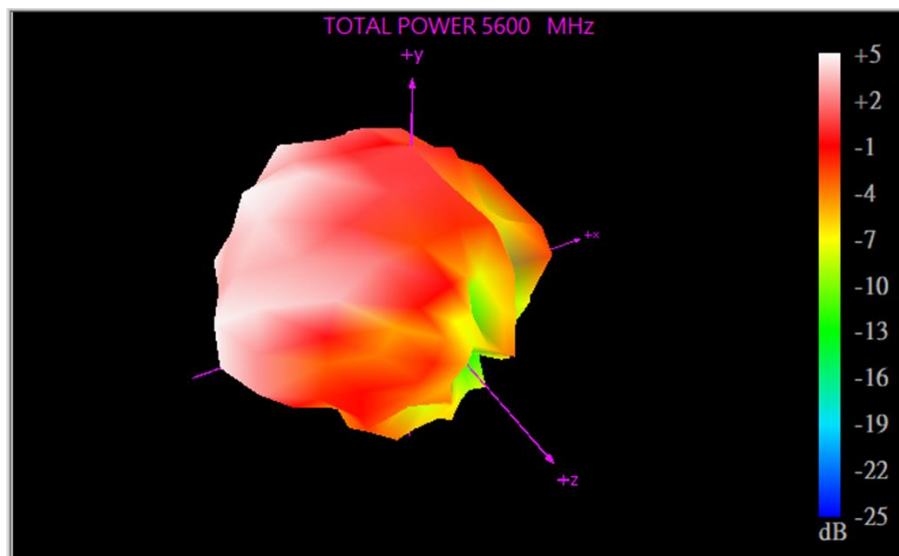
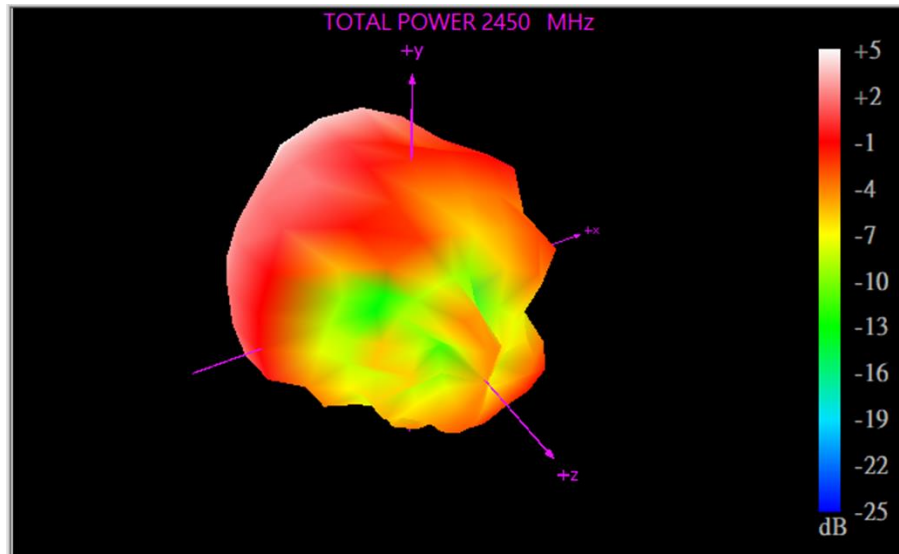


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CHARTS

Radiation Pattern of WIFI4



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