

Description:

WIFI 4 MAIN RIGHT

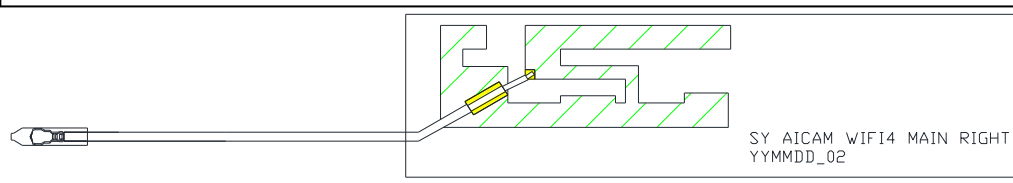


Series: SY AICAM

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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 Tel: 86 512 6807 9998



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	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	71.25x20.60x0.15mm	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			
ITEM NAME		SY AICAM WIFI4 MAIN RIGHT			
DOCUMENT NUMBER		TZ2726W			
Scale		1:1			
DESIGN		KEN			
CHECKED		KEN			
APPROVER		CHENG			
DRAWING REVISION		P2			
DOCUMENT VERSION		P1			
DATE		20230825			
NAME		KEN			

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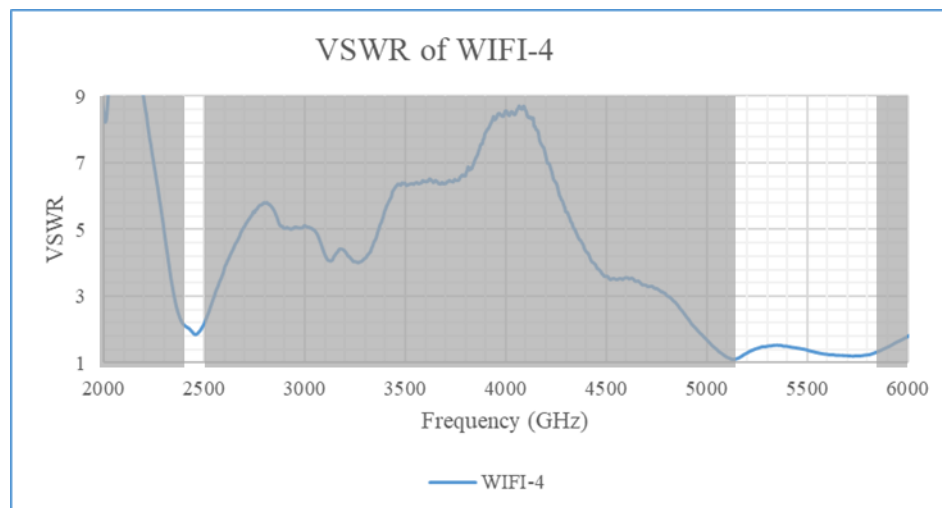
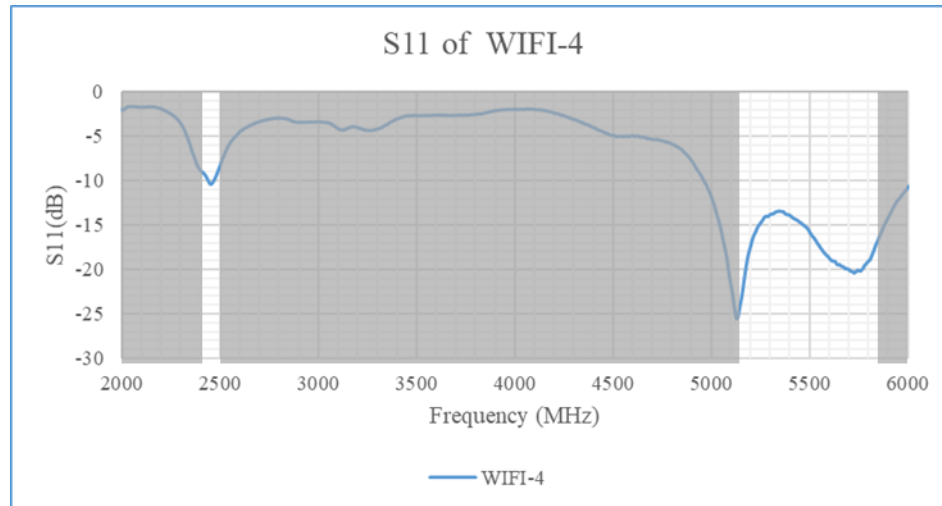


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TEST SETUP

S11 of WIFI4



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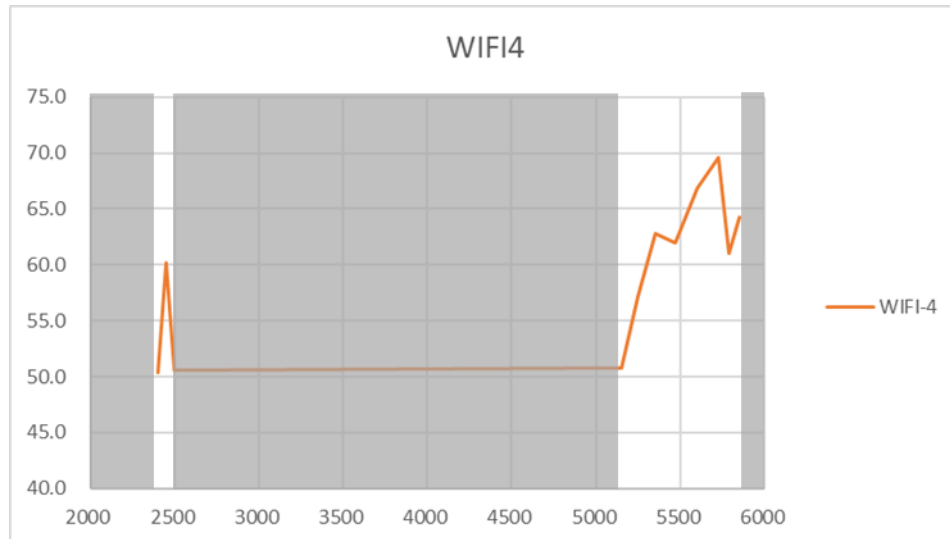


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TEST SETUP

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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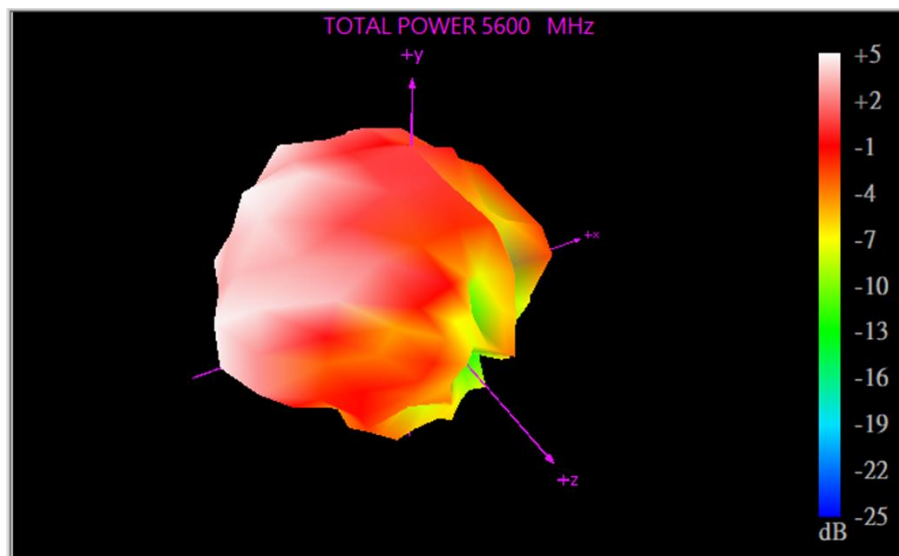
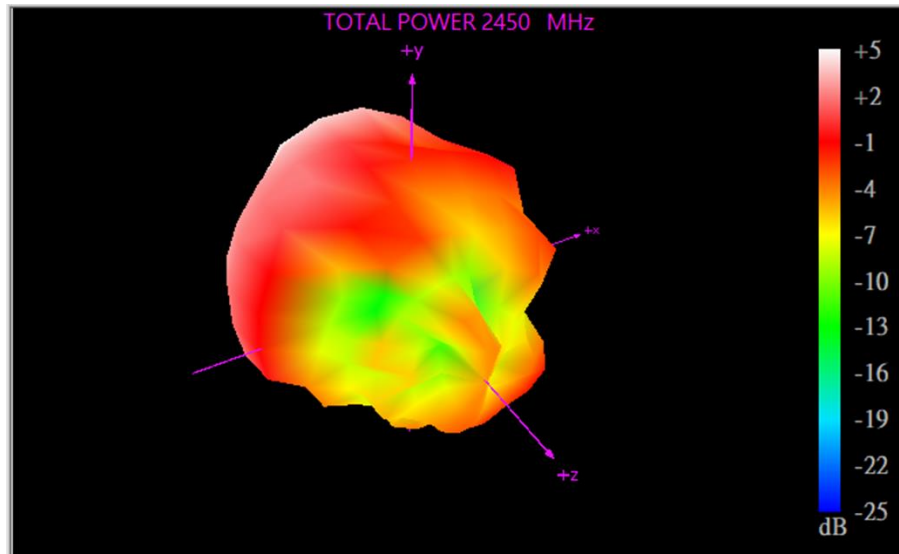


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CHARTS

Radiation Pattern of WIFI4



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