

**Description:** WIFI ANT1

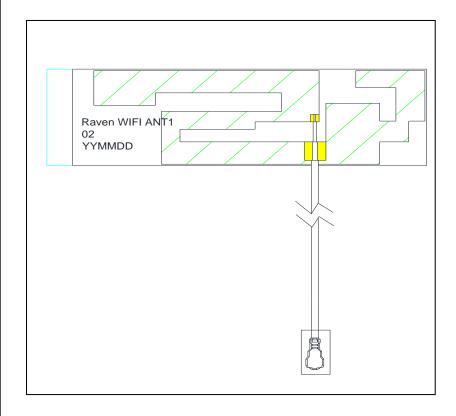


**Series: Raven** 

Altek P/N: 117-0108-001 PULSE P/N: TZ2530W

### Features:

- WLAN antenna
- FPC
- 0.81mm LLS cable with IPEX4代
- RoHS Compliant



## **Applications:**

AI CAM



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## Description: WIFI ANT1



Series: Raven

Altek P/N: 117-0108-001

PULSE P/N: TZ2530W

## **ELECTRICAL SPECIFICATIONS**

Antenna Type FPC PIFA

Frequency 2.4-2.5 GHz

5.15-5.85 GHz

Nominal Impedance 50  $\Omega$ Radiation Pattern Omni

Gain Refer to below table

Polarization Linear

Power Withstanding 1W

### **MECHANICAL SPECIFICATIONS**

Overall Length 41.5\*13\*0.15mm

Antenna Color / Material See table, P3

Connector type See table, P3

Cable type See table, P3

Cable length See table, P3

Adhesive tape Tesa68532

### **ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature  $-40 \sim +85^{\circ}\text{C}$ Storage Temperature  $-40 \sim +85^{\circ}\text{C}$ 

RoHS Compliant Yes



**Description**:

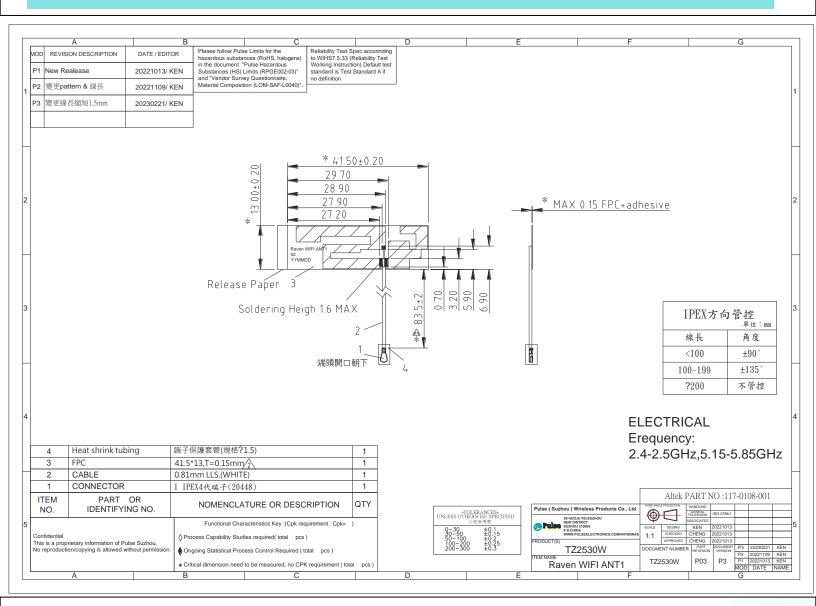




Series: Raven

Altek P/N: 117-0108-001 PULSE P/N: TZ2530W

## **MECHANICAL DRAWING**







**Description**:

WIFI ANT1

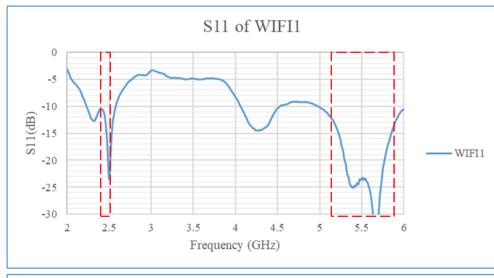


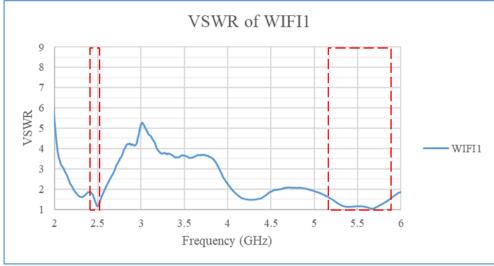
Series: Raven

Altek P/N: 117-0108-001 PULSE P/N: TZ2530W

## **TEST SETUP**

SII of WiFi Ant I







# Description: WIFI ANT1

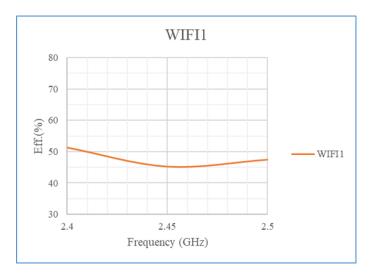


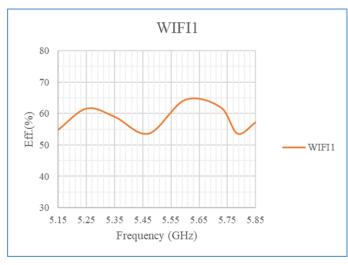
Series: Raven

Altek P/N: 117-0108-001

PULSE P/N: TZ2530W

### Antenna Efficiency





	WIFI1		
Freq. (GHz)	Eff.(dB)	Eff.(%)	Peak Gain (dBi)
2.4	-2.90	51.3	3.3
2.45	-3.45	45.2	3.1
2.5	-3.24	47.4	3.0
5.15	-2.60	55.0	7.6
5.25	-2.10	61.7	7.9
5.35	-2.29	59.0	7.8
5.47	-2.70	53.7	7.5
5.6	-1.91	64.4	7.9
5.725	-2.07	62.1	6.6
5.785	-2.70	53.7	6.1
5.85	-2.42	57.3	6.5





## **Description:**



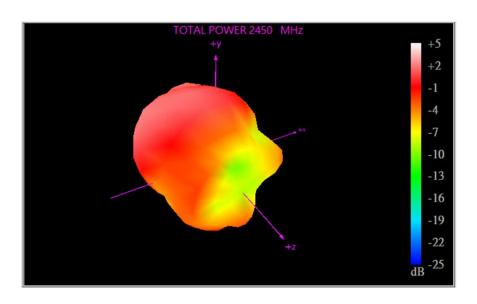


Series: Raven

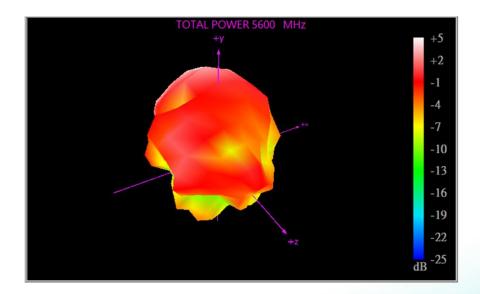
Altek P/N: 117-0108-001 PULSE P/N: TZ2530W

### **CHARTS**

#### Radiation Pattern of WiFi Ant I (2450MHz)



#### Radiation Pattern of WiFi Ant I (5600MHz)





**Description:** WIFI ANT2

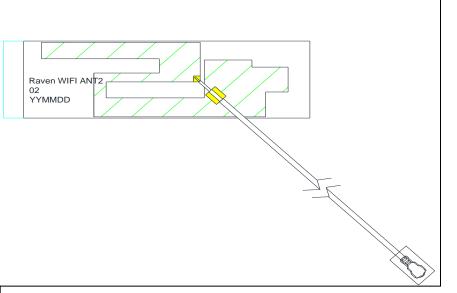


**Series: Raven** 

Altek P/N: 117-0109-001 PULSE P/N: TZ2531W

### Features:

- WLAN antenna
- FPC
- 0.81mm LLS cable with IPEX4代
- RoHS Compliant



## **Applications:**

AI CAM



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## Description: WIFI ANT2



Series: Raven

Altek P/N: 117-0109-001

PULSE P/N: TZ2531W

## **ELECTRICAL SPECIFICATIONS**

Antenna Type FPC PIFA

Frequency 2.4-2.5 GHz

5.15-5.85 GHz

Nominal Impedance 50  $\Omega$ Radiation Pattern Omni

Gain Refer to below table

Polarization Linear

Power Withstanding 1W

### **MECHANICAL SPECIFICATIONS**

Overall Length 42\*13\*0.15mm

Antenna Color / Material See table, P3

Connector type See table, P3

Cable type See table, P3

Cable length See table, P3

Adhesive tape Tesa68532

### **ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature  $-40 \sim +85^{\circ}\text{C}$ Storage Temperature  $-40 \sim +85^{\circ}\text{C}$ 

RoHS Compliant Yes





**Description**:

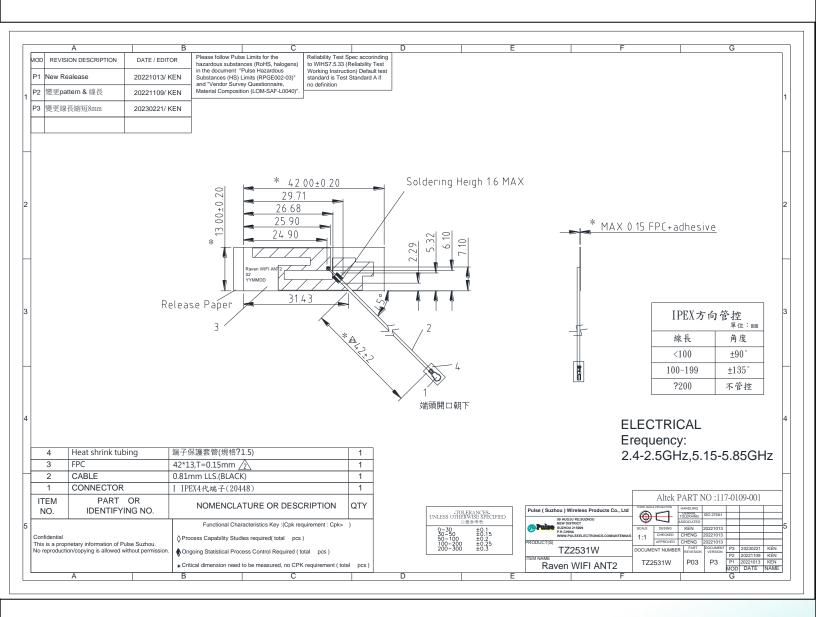




Series: Raven

Altek P/N: 117-0109-001 PULSE P/N: TZ2531W

## **MECHANICAL DRAWING**







## **Description**:



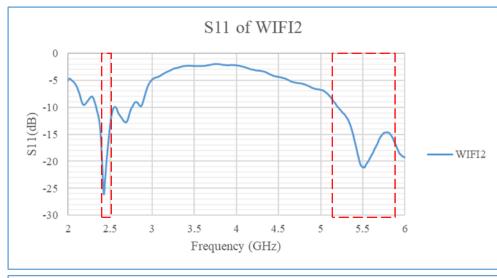


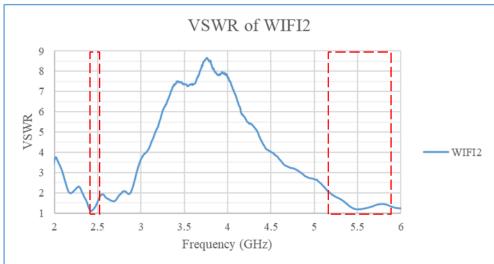
Series: Raven

Altek P/N: 117-0109-001 PULSE P/N: TZ2531W

## **TEST SETUP**

SII of WiFi Ant2







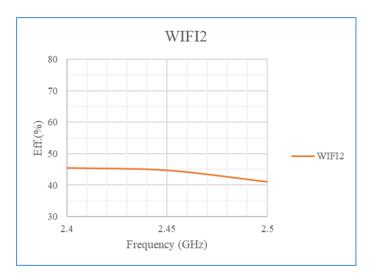
# Description: WIFI ANT2

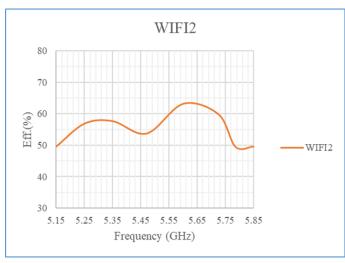


**Series: Raven** 

Altek P/N: 117-0109-001 PULSE P/N: TZ2531W

### Antenna Efficiency





	WIFI2		
Freq. (GHz)	Eff.(dB)	Eff.(%)	Peak Gain (dBi)
2.4	-3.43	45.4	2.1
2.45	-3.50	44.7	2.2
2.5	-3.86	41.1	2.7
5.15	-3.05	49.5	6.7
5.25	-2.45	56.9	7.3
5.35	-2.39	57.7	7.6
5.47	-2.70	53.7	7.1
5.6	-1.99	63.2	7.2
5.725	-2.23	59.8	6.4
5.785	-3.06	49.4	5.3
5.85	-3.05	49.5	5.2



## **Description:**



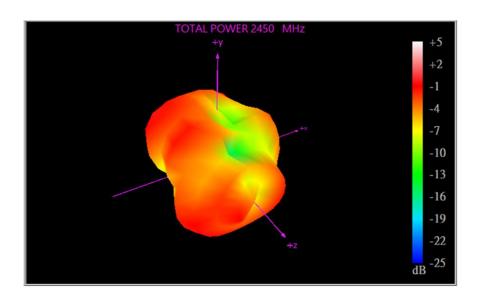


Series: Raven

Altek P/N: 117-0109-001 PULSE P/N: TZ2531W

### **CHARTS**

Radiation Pattern of WiFi Ant2(2450MHz)



### Radiation Pattern of WiFi Ant2(5600MHz)

