

# Data Sheet

**CUSTOMER:** PEGATRON

**Product description:** WAP571E 5G-2 PIFA ANT

**MODEL NAME:** WAP571E

**ACON P/N:** AGM8P-100004

## 1 Specification

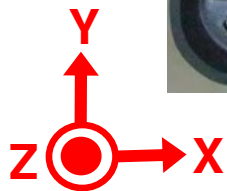
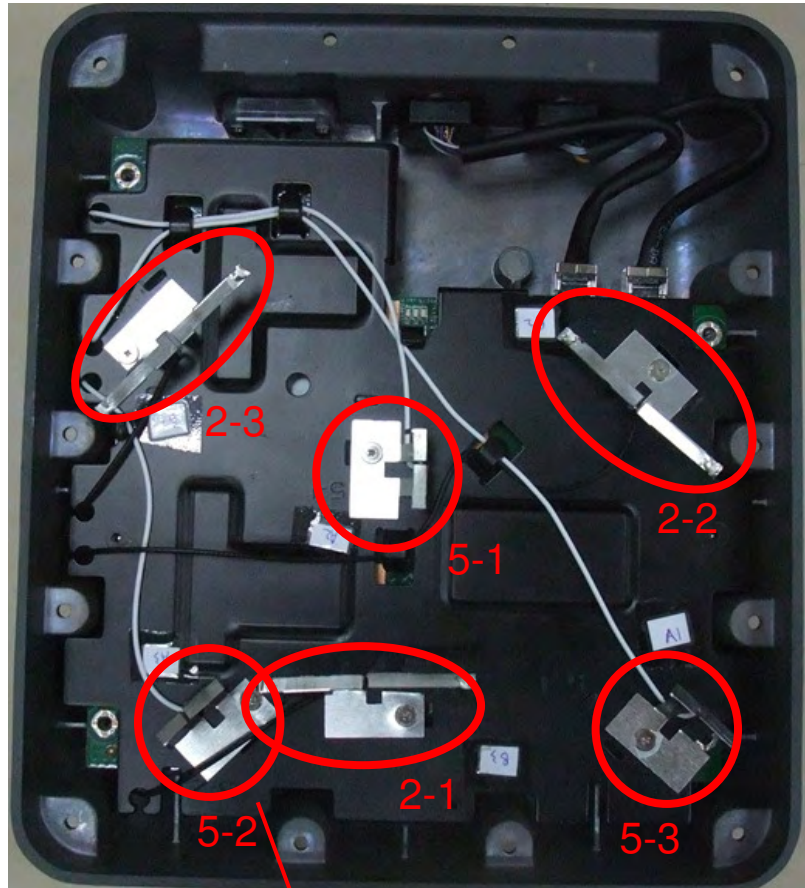
### 1.1 Electrical Properties

- 1.1.1 Frequency Range-----5.15GHZ~5.85GHZ
- 1.1.2 Impedance----- 50Ω
- 1.1.3 VSWR----- 2:1
- 1.1.4 Return Loss----- 10dB or Less (In case)
- 1.1.5 Peak Gain-----3.3 dbi
- 1.1.6 Admitted Power----- 1W
- 1.1.7 Cable----- Ø1.37 L/L
- 1.1.8 Antenna Type----- Metal Type

### 1.2 Physical Properties

- 1.2.1 Antenna Body----- sus430
- 1.2.2 Operating Temp----- -10°C~+60°C
- 1.2.3 Storage Temp----- -10°C~+70°C

### 1.3 Antenna Pictures



Antenna P/N: AGM8P-100004



## 2. Performance Data

### 2.1 5-2 VSWR



Trc1 **S11** SWR 1 U/ Ref 1 U Cal Offs

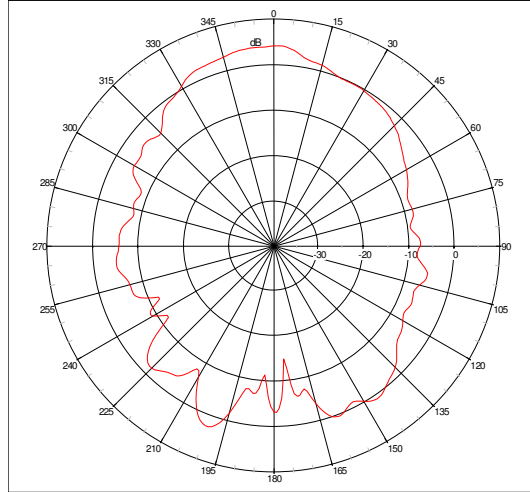
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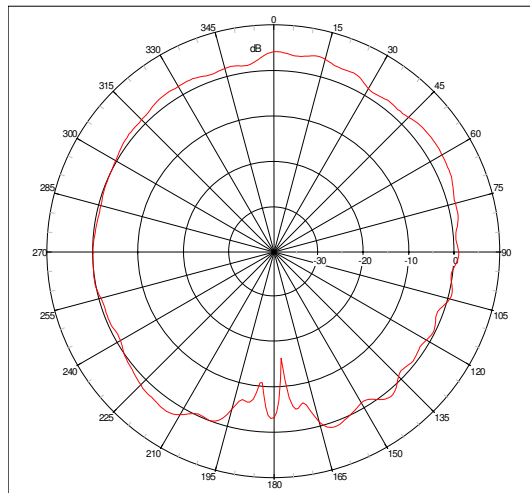
Date: 5.AUG.2015 11:06:57

## 2.2 Radiation pattern & Gain

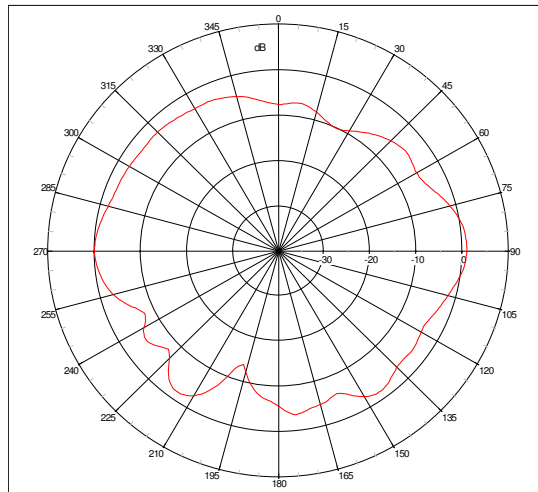
X-Z Plane



Y-Z Plane



X-Y Plane



**Antenna Gain Table: 5-2(5GHZ)**

Freq.(MHz)	Eff (%)	Peak Gain (dBi)
5150	70	2.8
5350	73	3.3
5470	73	3.1
5725	71	3.2
5850	70	3.3

# 3. Mechanical Specification

## 3.1 Assembly Drawing

<b>1</b>									
ACON P/N		AGM8P-100004							
PEGA P/N									

Rev.	Eff.	Description	Drawn/Date	Checked/Date	Approved/Date
31		NEW RELEASE	Isabel 07/16/15	Peter	Arthur

Item	Qty	Part #	Material / Finish
1	1	WELN515243000013.0mm	1 X
2	1	Ø07.21UL White-HEX 3.4US	1 X

Customer Drawing Part No. X Rev. 1 of 1 Author: Arthur	Signal Loc: 08/26/15 Signal Loc: 08/26/15 Part No. WMS371E 5-2 metal ant. Advanced-Connecter Inc.	 WMS371E 5-2 metal ant. Advanced-Connecter Inc.	Checked/Date: Arthur Approved/Date: Arthur
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符合美國管理物件標準  
 All materials meet the ACON's spec. Environment – related substances management technical standard.