

# Approval Sheet

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Customer : 美商定誼  
Project Name : DT504TR  
Customer P/N : 27-504-720003  
P/N : AJDP1J-W0071  
Product Description : Wifi Aux antenna Low Loss  
RF1.13\_360mm MHF-4 / White  
Issue Date : 2024 / 01 / 10  
Reversion : B

<b>Customer Approved</b>	<b>Anjie Approved</b>

Taiwan Anjie Electronics Co.,Ltd  
Address : 1F, No.236,Sec 3, Huan-Bei Rd., Ju-Bei City  
Hsin-Chu Country, 30265, Taiwan  
Tel : +886-3-5543399 Fax : +886-3-5533062

台灣安潔電子股份有限公司  
地址：新竹縣竹北市環北路三段236號1樓  
電話：+886-3-5543399 傳真：+886-3-5543062  
Website: www.anjietw.com

# Content

1. Specification
2. S Parameter Test
  - 2.1 S.W.R. Test Data
3. Antenna Gain Test
  - 3.1 Antenna Radiation Pattern
  - 3.2 Gain and Efficiency Test Data
4. Mechanical Drawing / Dimension / Layout

## 1. Specification

- . Product Number: AJDP1J-W0071
- . Version : 1.0
- . Model Name : DT504TR

## Electrical Characteristics

- . Frequency (MHz) : 2400-2500MHz / 5150-7125MHz
- . S.W.R. :  $\leq$  2.0 / 2.0
- . Efficiency (dB): > -4 / -5
- . Peak Gain : 1.8 / 3.4 dBi
- . Impedance : 50 ohm
- . Polarization : Linear

## Mechanical Characteristics

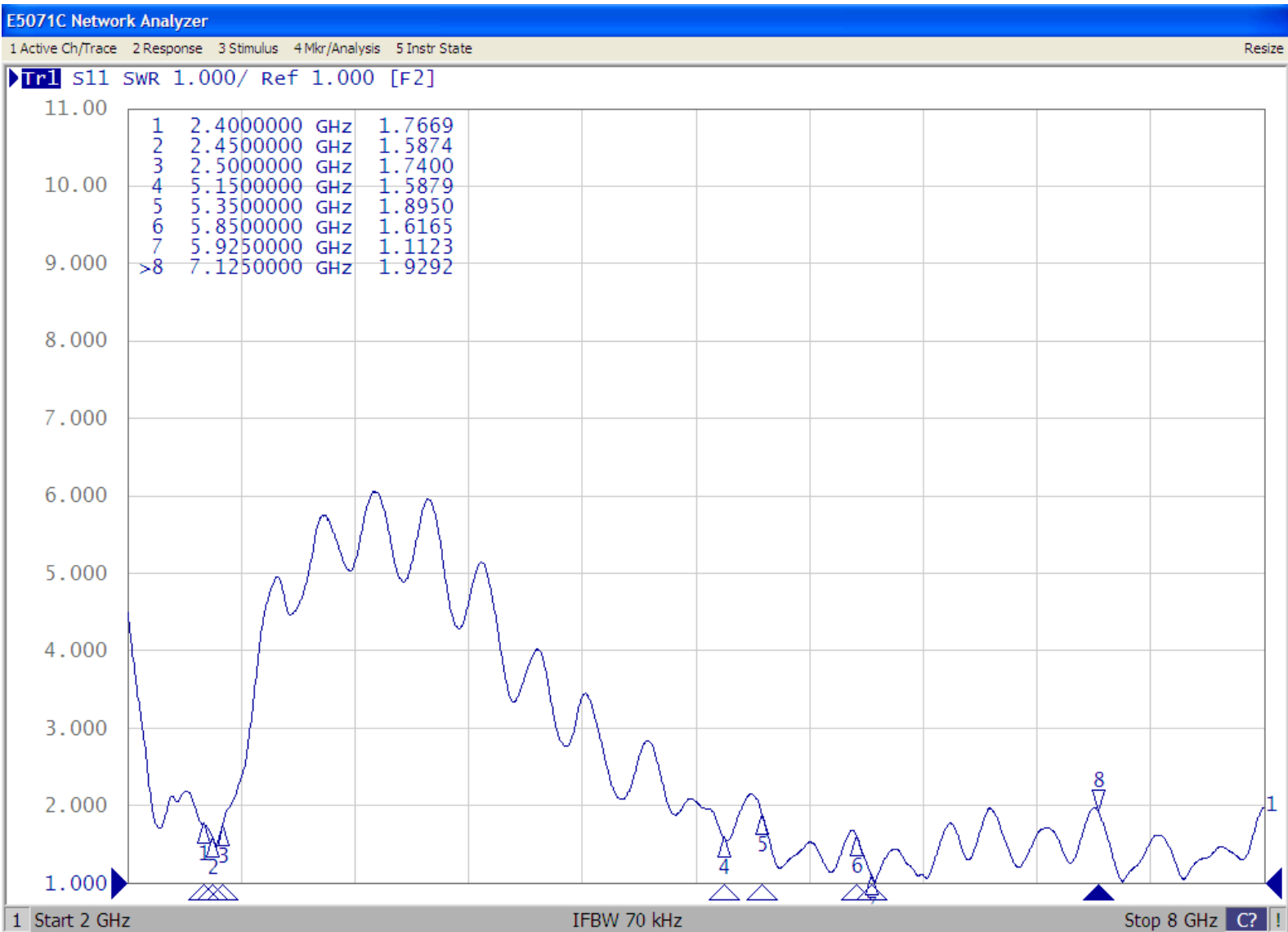
- . Material : PCB
- . Cable : Low Loss RF 1.13
- . Connector : MHF-4
- . Color : White
- . Material : RoHS 2011/65/EU

with IEC 62321:2008 Method

## Environmental Condition

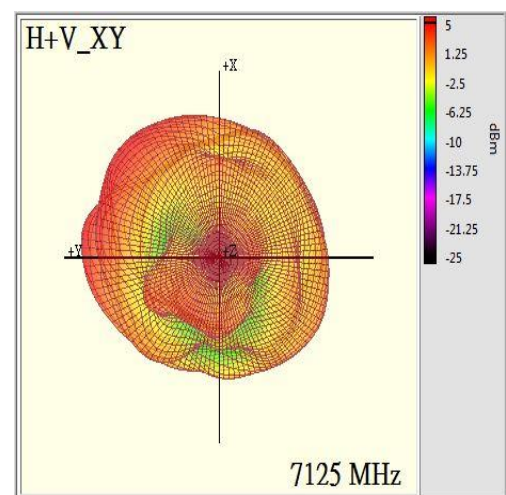
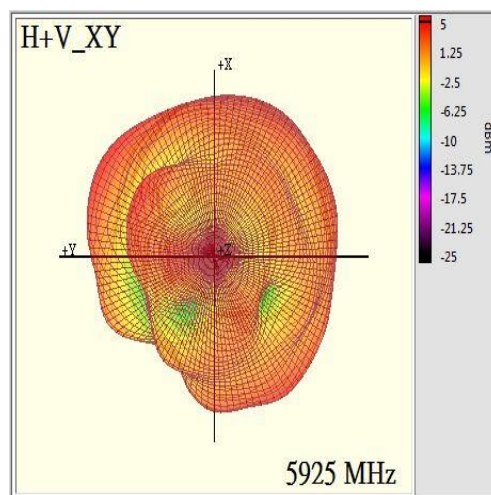
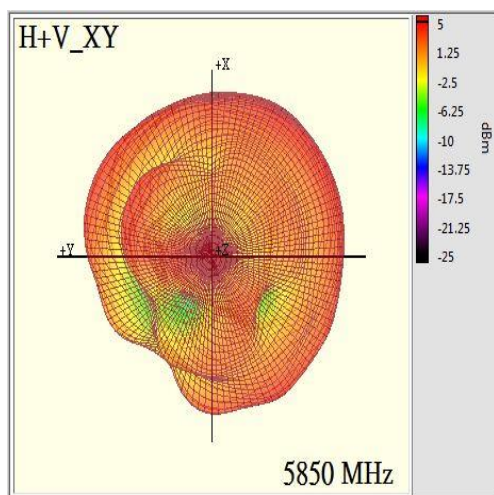
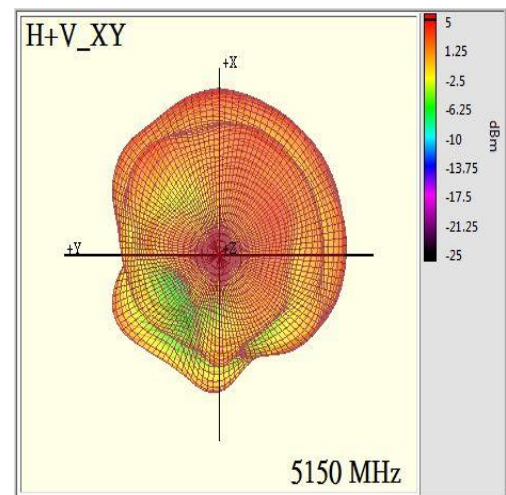
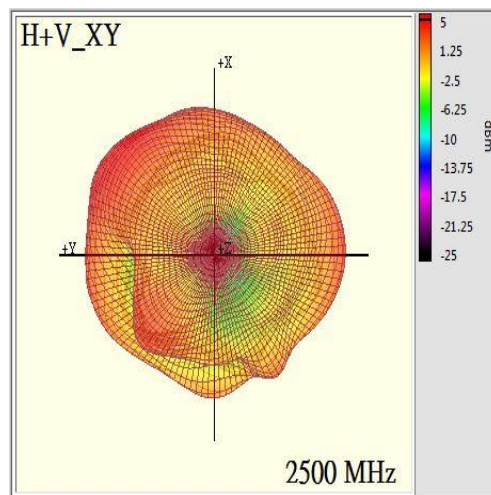
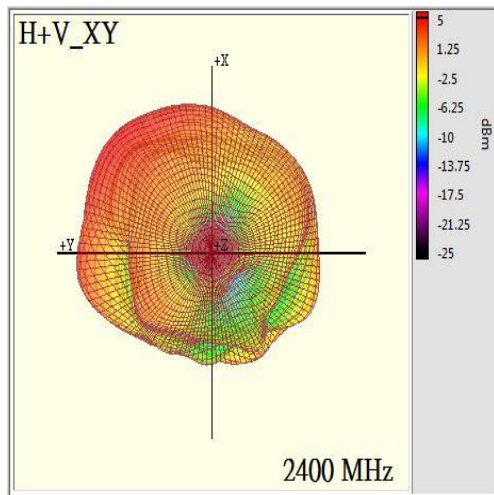
- . Operation Temperature : -30 ~ +60 °C
- . Storage Temperature : -40 ~ +85 °C

## 2.1 S Parameter Test S.W.R. Test Data



### 3. Antenna Gain Test

#### 3.1 Antenna Radiation Pattern



### 3. Antenna Gain Test

#### 3.2 Gain and Efficiency Test Data

Frequency (MHz)	2400	2450	2500	5150	5250	5350	5470	5600	5725	5785	5800	5850
Gain (dBi)	1.5	1.8	1.3	3.4	1.7	2.0	2.4	1.9	1.3	1.4	1.2	0.8
Directivity (dBi)	5.4	5.7	5.4	7.7	6.2	6.5	7.0	6.5	5.9	5.8	5.6	5.5
Efficiency (dB)	-3.9	-4.0	-4.1	-4.3	-4.5	-4.5	-4.5	-4.6	-4.6	-4.4	-4.4	-4.7
Efficiency (%)	40.7	40.2	38.6	37.3	35.5	35.2	35.4	34.9	35.1	36.2	36.1	34.1

Frequency (MHz)	5925	6175	6425	6525	6700	6875	7000	7125
Gain (dBi)	0.8	0.7	1.2	1.3	1.4	0.5	0.2	2.3
Directivity (dBi)	5.3	5.3	5.9	6.1	6.3	5.3	5.0	7.2
Efficiency (dB)	-4.5	-4.7	-4.7	-4.7	-4.9	-4.8	-4.8	-4.9
Efficiency (%)	35.6	34.2	34.0	33.5	32.5	32.9	33.1	32.0

# 4. Mechanical Drawing / Dimension / Layout

