

RFID UHF Antenna

Datasheet

AUTHORIZED SIGNATURE	
Data	

Customer name

Product Name 13x13x2cm RFID UHF US Antenna

Product Number FI-A1320-FCC

Version 1

Date issued 2024/1/19

1. Electrical Characteristics

Antenna (天線)		
1	Antenna model(天線規格)	128mm*128mm*20mm
2	Frequency Range(頻率範圍)	902MHz ~ 928MHz
3	V.S.W.R (駐波比)	1.3 MAX
4	Return Loss (回波損耗)	-17dB MAX
5	Gain(增益)	5 dBic MAX
6	H plane HPBW	70°
7	E plane HPBW	70°
8	Antenna Type	Quadrifilar Antenna
9	Impendence (阻抗)	50Ω
10	Polarization (極化方式)	Circular Polarization
11	Weight (重量)	0.3kg Typical

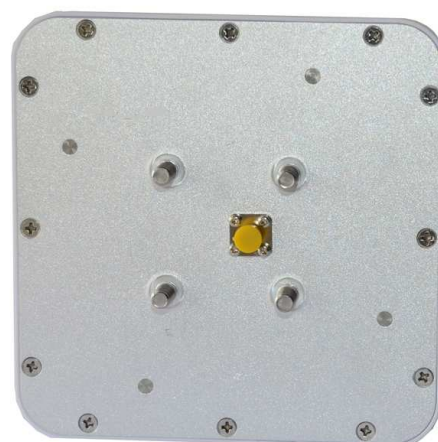
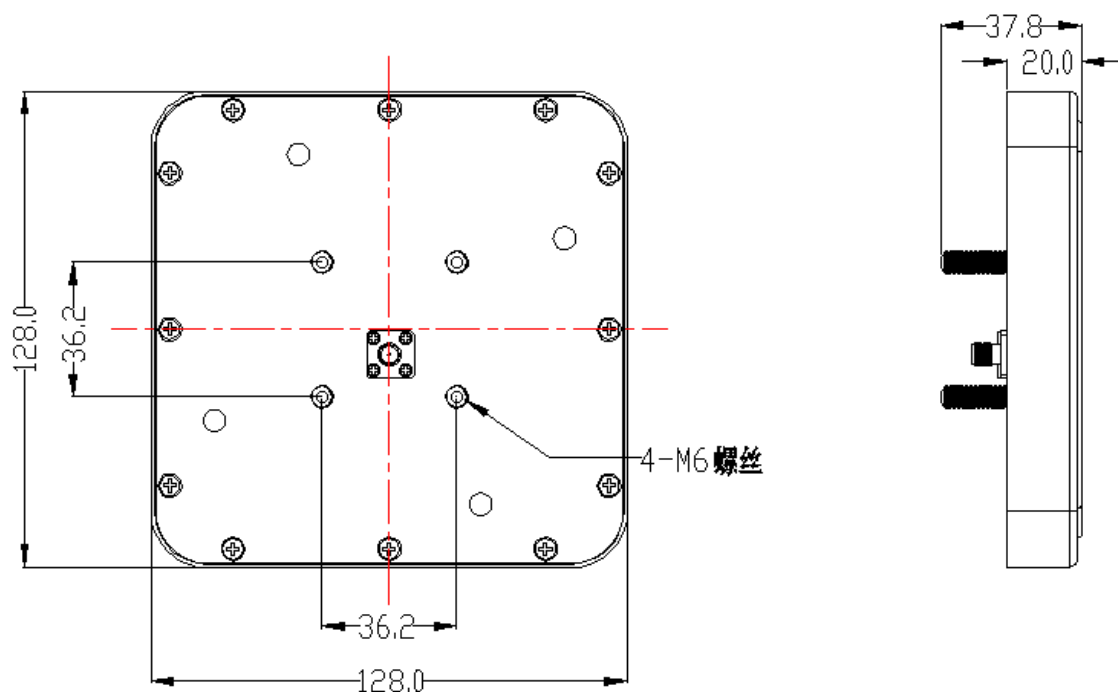
2. Material (材料)

No	Part Name	SPEC
1	Antenna (天線)	Engineering plastics ASA, aluminum
2	Color (顏色)	White
3	RF Connector (接頭)	Reverse SMA Jack

3. Environment Condition

1	Working Temp (工作温度)	-40℃ ~ +85℃, 10%~95% RH
2	Storage Temp (贮存温度)	-40℃ ~ +85℃, 10%~95% RH

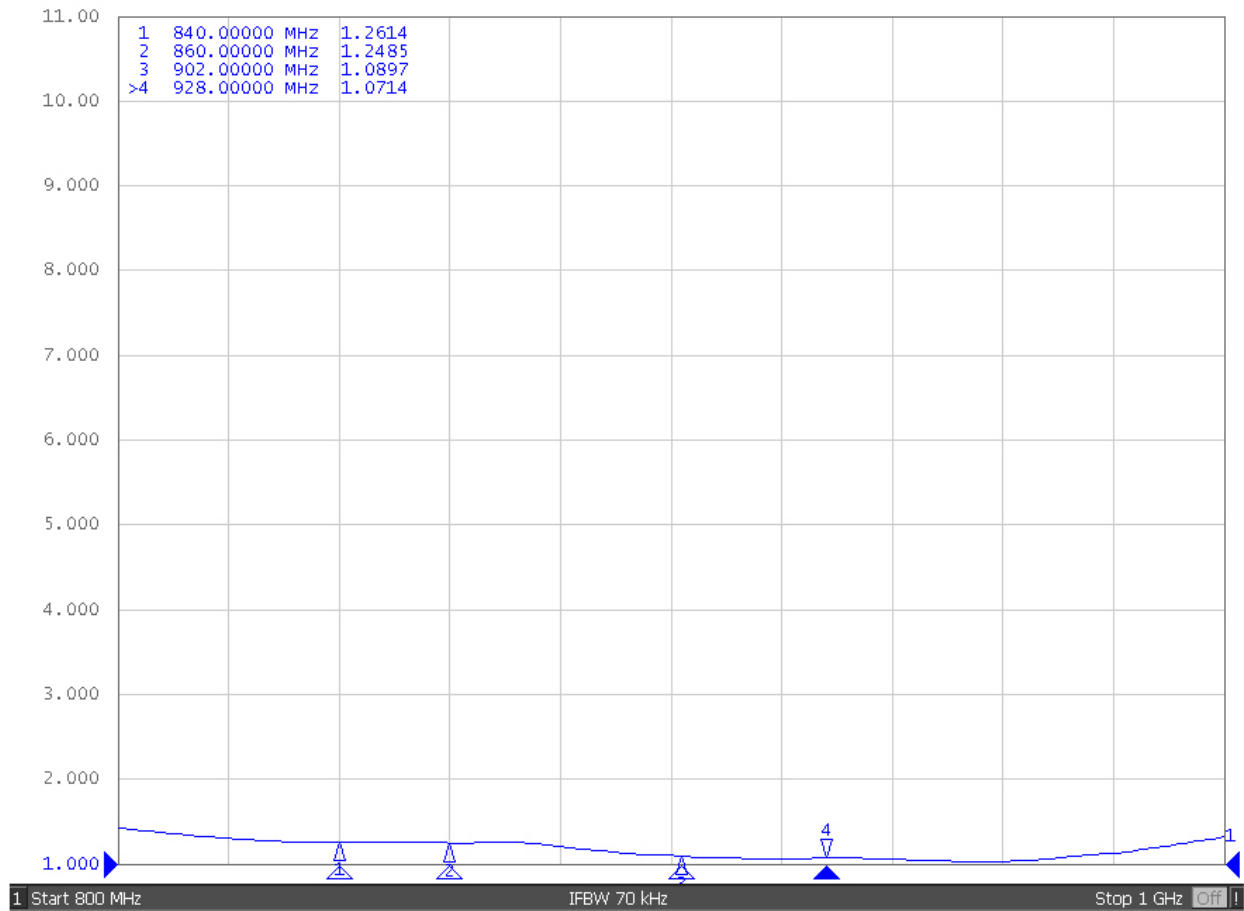
4. Dimensions (尺寸)



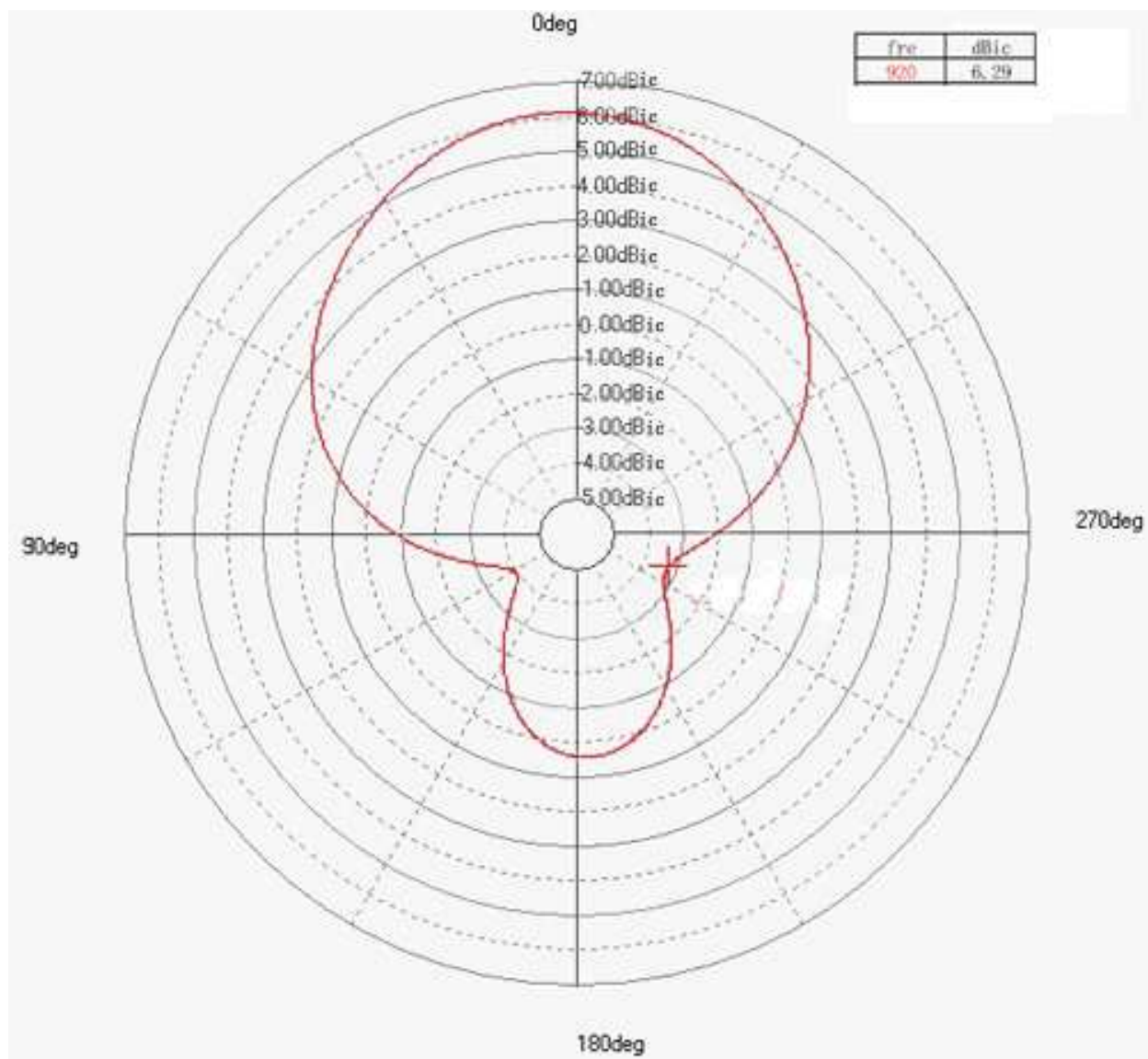
5. S-parameter Data

5.1 VSWR(S11)

► Tr1 S11 SWR 1.000/ Ref 1.000



6. Antenna Chamber Data



7. Note（注意事項）

1、 This product specification guarantees the quality of our product as a single unit. Please make sure that your product is evaluated and confirmed against your specifications when our product is mounted to your product.

2、 The product will get free warranty for three months since the date of purchase users operate in the correct way; Users will have to pay cost of the materials and maintaining fee out of the condition.

3、 Electrostatic sensitive device. Observe precautions for handling.

The information in this data sheet is believed to be accurate and reliable. We reserve the right to make changes without prior notice to any specifications of this product. This device is not intended to be used for systems that support or sustain life or for systems where failure may cause personal injury. The customers use this product at their own risk.

8. Antenna manufacturer（天線製造商）

QUN-DA Technology Co.

No.154-2 Yuanpei Street, Hsinchu ,Taiwan