

Antenna

YYL00A1DA Datasheet

Antenna Services

Version: 2.0

Date: 2022-03-28

Status: Preliminary



1 Product Description

The antenna is designed for superior performance, and can be widely used for wireless applications.

We provide comprehensive antenna design support such as simulation, testing and manufacturing for custom antenna solutions to meet your specific application needs.

2 Product Features

- WIFI2.4G&5.8G
- High efficiency
- Excellent performance



3 Product Specifications

Passive Electrical Specifications

Frequency Range	2400–2500 MHz&5150–5850 MHz
Input Impedence	50 Ω
VSWR	≤ 2.2
Gain	≤ 4.42 dBi
Polarization Type	Linear

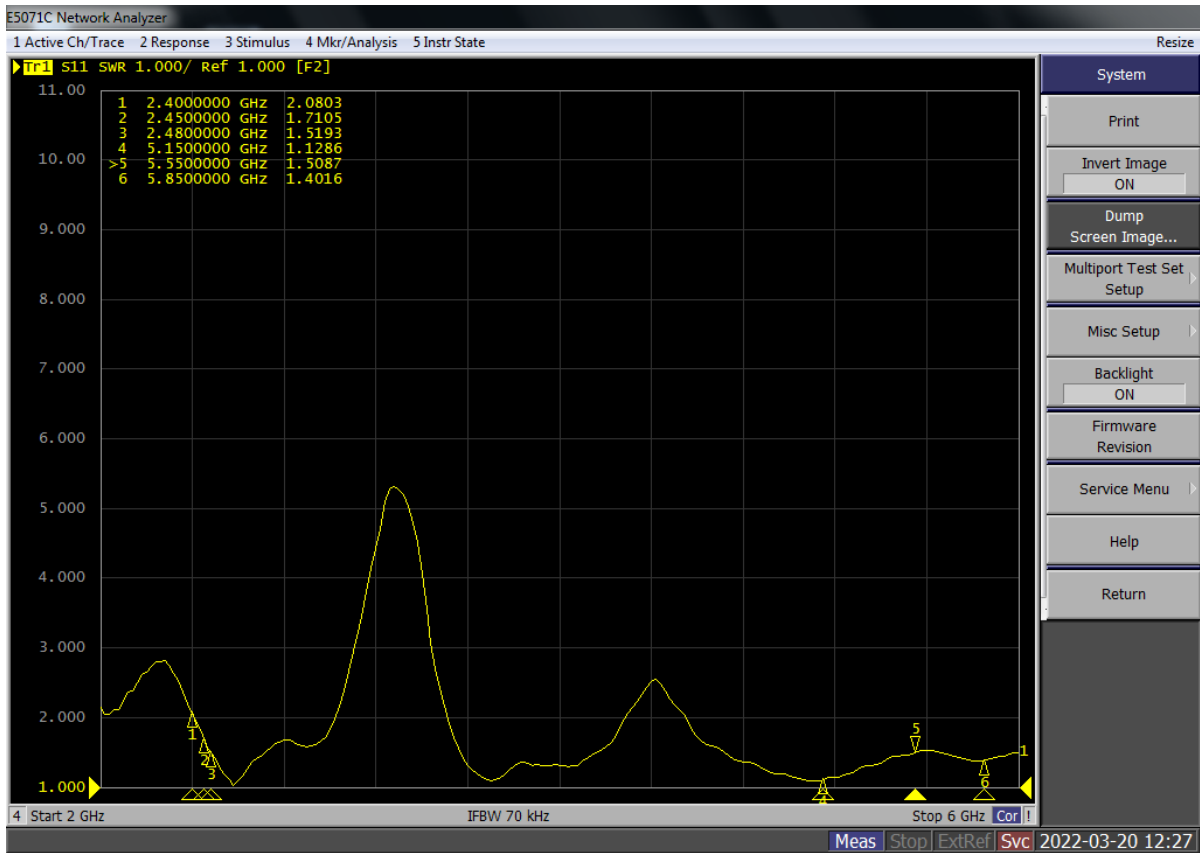
Detailed Passive Electrical Specifications

Frequency Range (MHz)	2400–2500	5150–5850
VSWR (Max.)	2.18	1.50
Average Efficiency (%)	59.1	71.8
Max. Peak Gain (dBi)	3.33	4.42

Mechanical Specifications

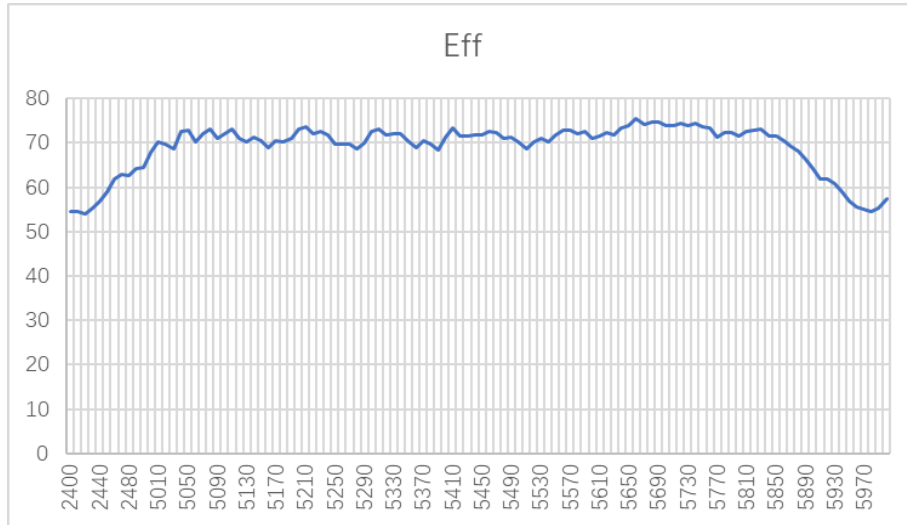
Antenna Size(mm)	41.8×18.6
Casing	FPC
Connector Type	RF 1
Working Temperature	-30 °C to +65 °C
Radome Color	Black
Mounting Type	Adhesive
Weight	0.8 g

4.2. VSWR



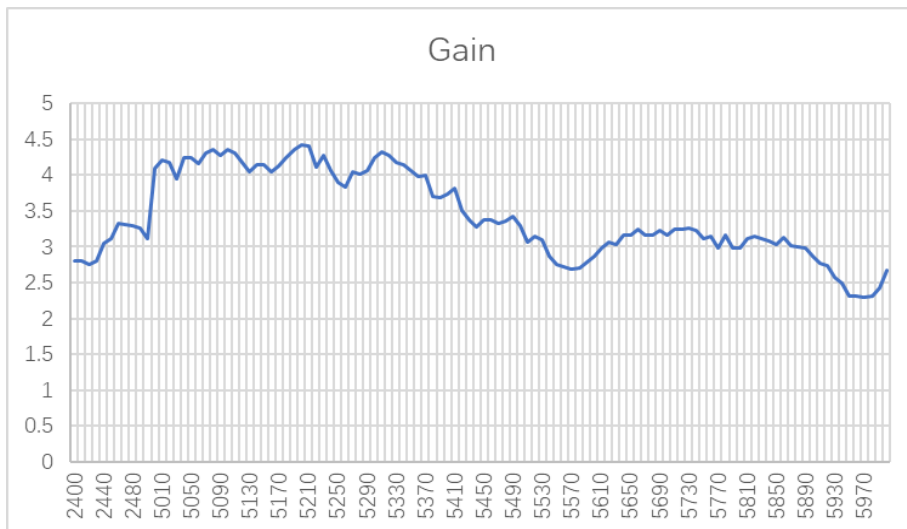
Frequency (MHz)	2400	2500	5000	5850
VSWR	2.08	1.51	1.12	1.40

4.3. Efficiency

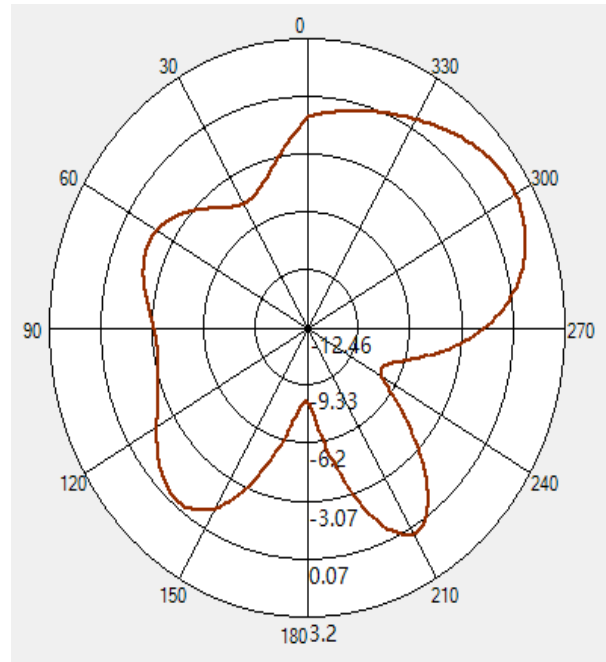
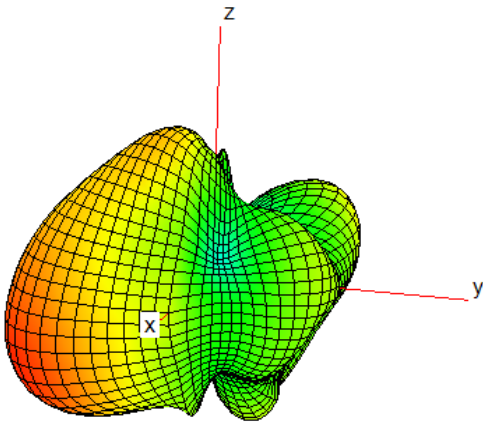


Frequency (MHz)	2400	2500	5150	5850
Efficiency (%)	54.42	64.35	70.60	71.42

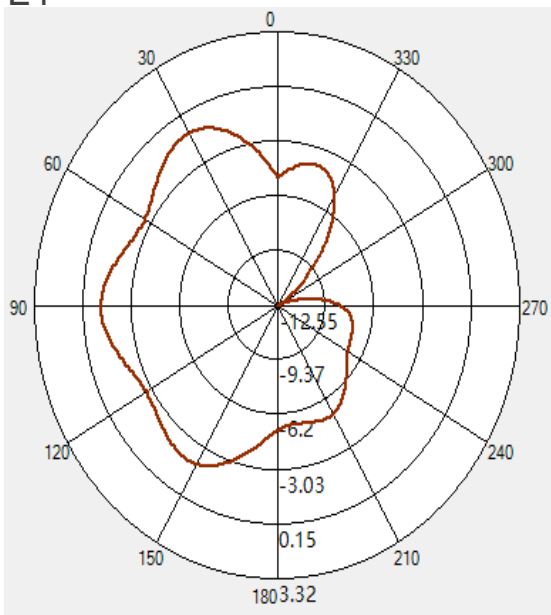
4.4. Gain



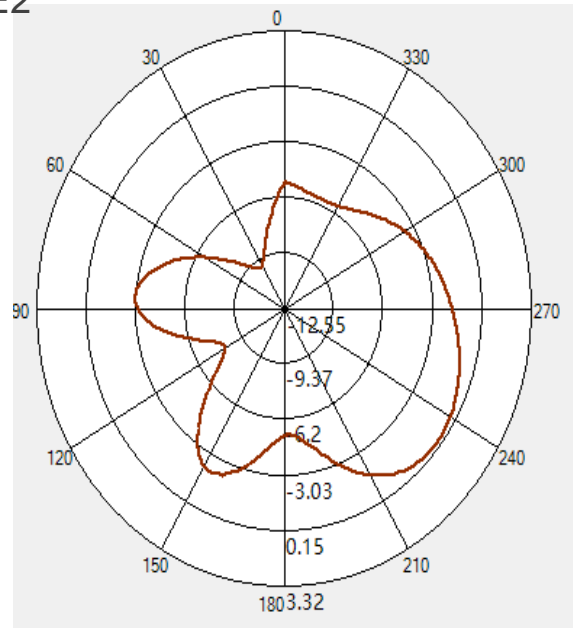
Frequency (MHz)	2400	2500	5150	5850
Gain (dBi)	2.80	3.11	4.14	3.03



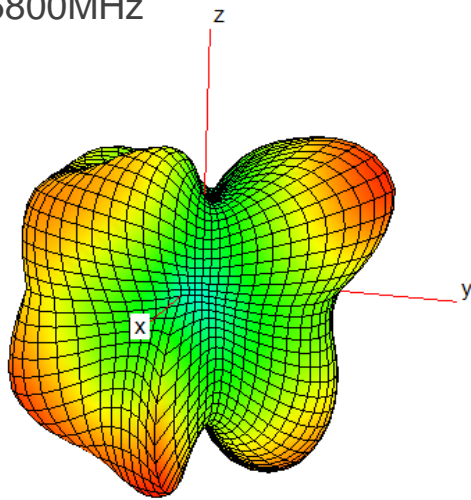
E1



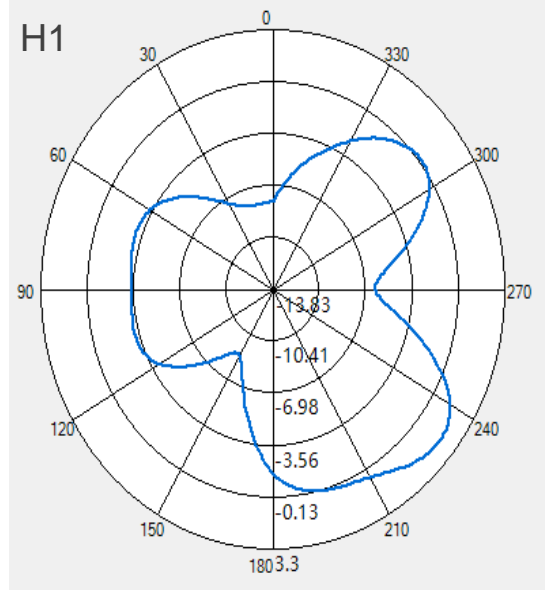
E2



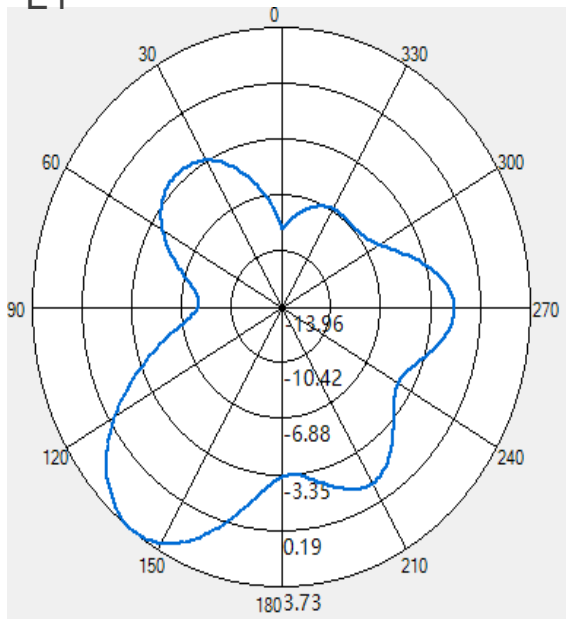
5800MHz



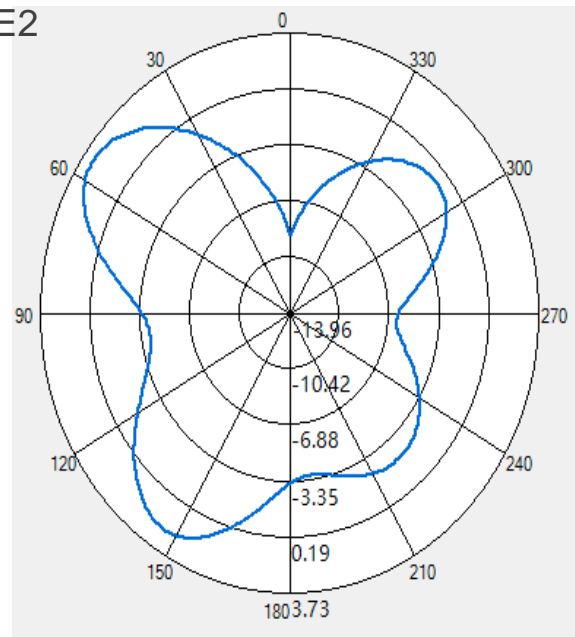
H1



E1



E2



5 Product Size

ROHS

