

Antenna YE0038AA Datasheet

Antenna Services

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About the Document

Revision History

Version	Date	Author	Note
-	2020-11-24	Kenny YIN	Creation of the document
1.0	2020-11-24	Kenny YIN	First official release
1.1	2021-01-27	Kenny YIN	Added IP rating description.



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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

- Cellular WIFI
- High efficiency
- Excellent performance





3 Product Specifications

Passive Electrical Specifications				
Frequency Range	2400–2500 MHz, 5150–5850 MHz			
Input Impendence	50 Ω			
VSWR	≤ 3.0			
Gain	0 dBi			
Polarization Type	Linear			
Mechanical Specifications				
Antenna Size ()	195 mm × 13 mm			
Casing	ABS			
Connect Type	SMA Male (center pin)			
Working Temperature	-20 °C to +85 °C			
Radome Color	Black			
IP rating	IP55			



4 Overall Performance

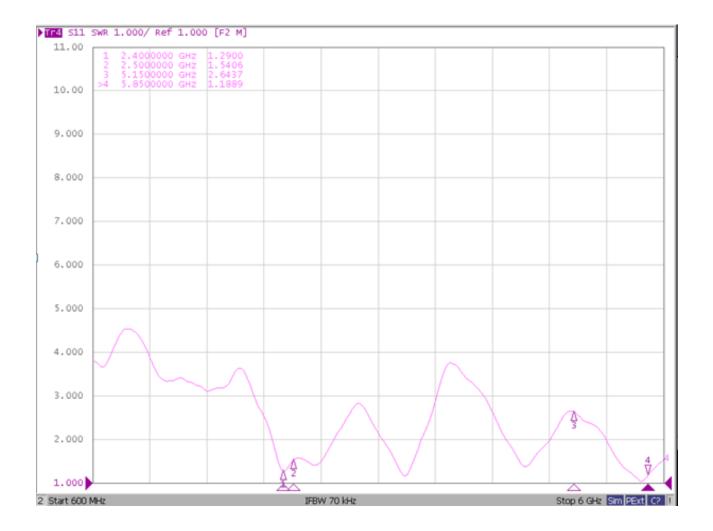
4.1. Test Environment

- KEYSIGHT VNA Network Analyzer E5063A 100 kHz 6.5 GHz.
- RayZone[®]2800 Chamber 5G (FR1) SISO/MIMO, 400 MHz 6.0 GHz.





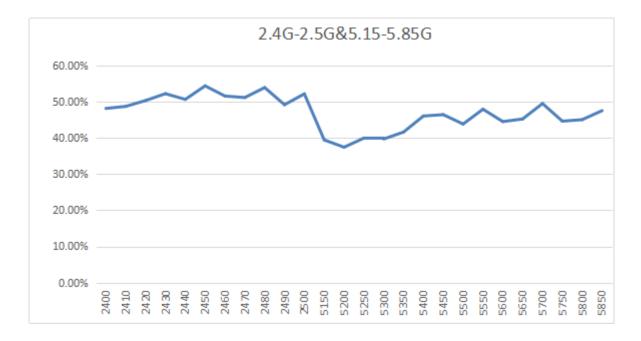
4.2. VSWR



Frequency (MHz)	2400	2500	5150	5850
VSWR	1.29	1.54	2.64	1.19



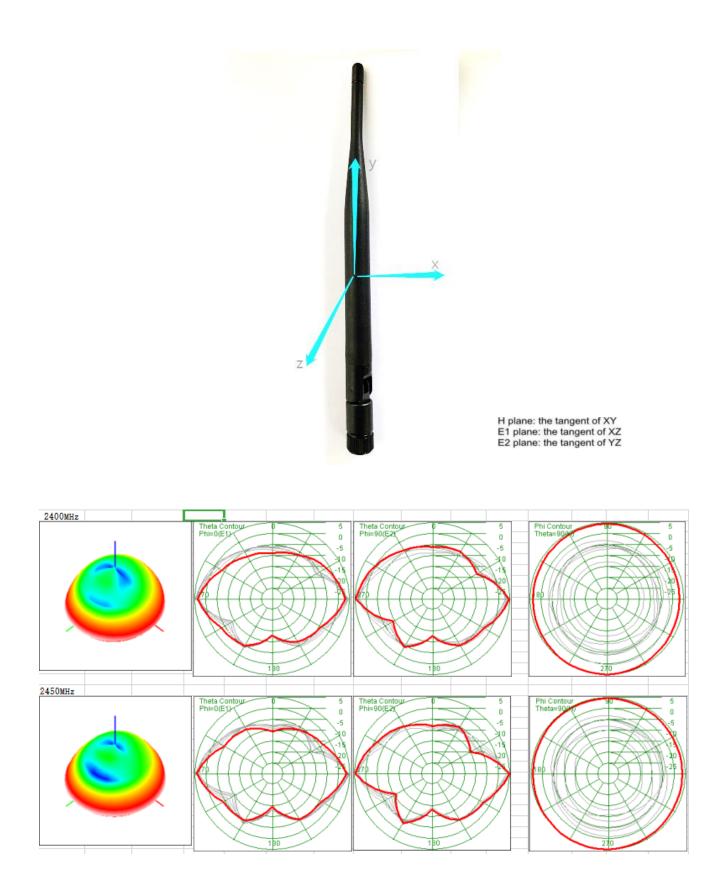
4.3. Efficiency



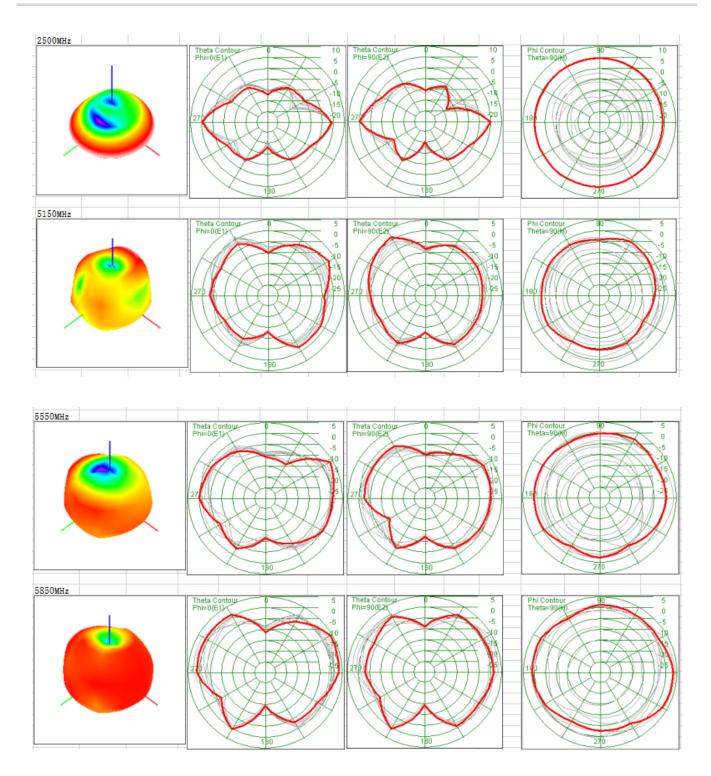
Frequency (MHz)	2400	2500	5150	5850
Efficiency (%)	48.22	52.26	39.50	47.60



4.4. Radiation Patterns









5 Product Size

