

# Antenna YF0026AA Datasheet

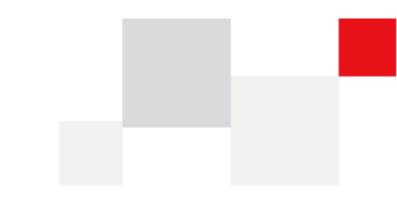
#### **Antenna Services**

Version: 1.0

Date: 2021-04-01

Status: Released







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# **About the Document**

# **Revision History**

Version	Date	Author	Note		
-	2021-04-01	Kenny YIN	Creation of the document		
1.0	2021-04-01	Kenny YIN	First official release		

#### Contents

		Document	
		ct Description	
2	Produ	ict Features	. 5
3	Produ	ct Specifications	. 6
4	Overa	III Performance	.7
		Test Environment	
		VSWR	
	4.3.	Efficiency	. 9
		Gain	
	4.5.	Radiation Patterns	10
5	Produ	Ict Size	12

# **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

- 2.4G–7.15G WiFi Tri-Band
- High efficiency
- Excellent performance



# **3 Product Specifications**

Passive Electrical Specifications						
Frequency Range	2400–2500 MHz; 5150–5850 MHz; 5925–7125 MHz					
Input Impendence	50 Ω					
VSWR	≤ 2.0					
Gain	≤ 5.5 dBi					
Polarization Type	Linear					
Mechanical Specifications						
Antenna Size	28.9 mm × 11 mm					
Casing	FPC					
Connector Type	IPEX MHF I					
Working Temperature	-30 °C to +85 °C					
Radome Color	Black					

### **4** Overall Performance

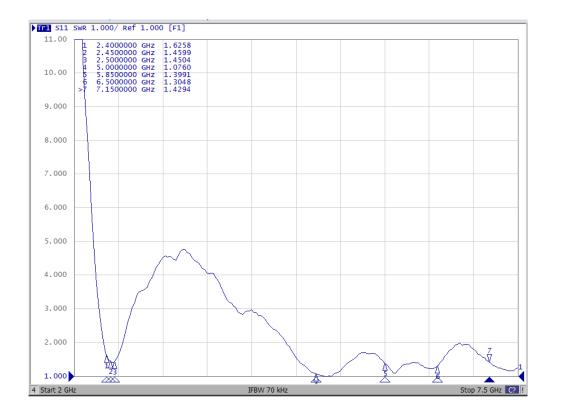
#### 4.1. Test Environment

- KEYSIGHT VNA Network Analyzer E5063A 100 kHz 8.5 GHz
- RayZone<sup>®</sup> 2800 Chamber 5G (FR1) SISO/MIMO, 400 MHz 8.0 GHz





### 4.2. VSWR



Frequency (MHz)	2400	2450	2500	5000	5850	6500	7150
VSWR	1.62	1.45	1.45	1.07	1.39	1.30	1.42

Note: test on 3mm ABS.



#### 4.3. Efficiency



Frequency (MHz)	2400	2450	2500	5000	5850	6500	7150
Efficiency (%)	74.1	83.1	85.3	74.1	74.8	86.4	62.1

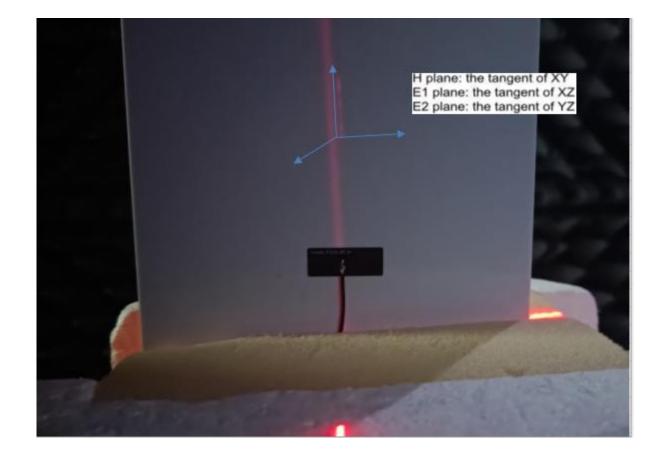
#### 4.4. Gain

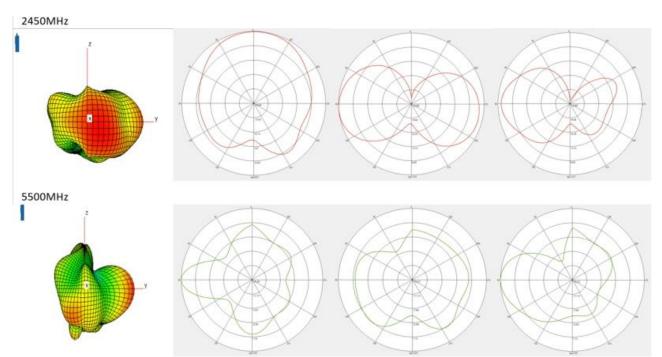


Frequency (MHz)	2400	2450	2500	5000	5850	6500	7150
Gain (dBi)	2.3	3.2	3.8	5.0	3.5	4.7	4.8



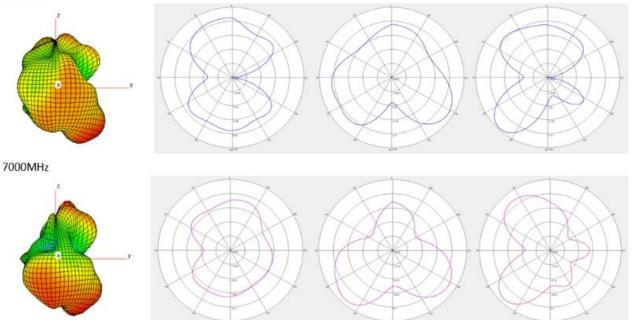
#### 4.5. Radiation Patterns







6500MHz





## 5 Product Size

