

Antenna YF0006DA Datasheet

Antenna Services

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About the Document

Revision History

Version	Date	Author	Note
-	2021-02-20	Kenny YIN	Creation of the document
1.0	2021-02-20	Kenny YIN	First official release
1.1	2021-06-17	Kenny YIN	Updated working temperature in Chapter 3.

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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 LTE
- High efficiency
- Excellent performance



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3 Product Specifications

Passive Electrical Specifications						
Frequency Range	690–2700 MHz					
Input Impendence	50 Ω					
VSWR	≤ 3.0					
Gain	≤ 6.0 dBi					
Polarization Type	Linear					
Mechanical Specifications						
Antenna Size	50 mm × 25 mm					
Casing	FPC					
Connector Type	IPEX MHF I					
Working Temperature	-40 °C to +85 °C					
Radome Color	Black					

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4 Overall Performance

4.1. Test Environment

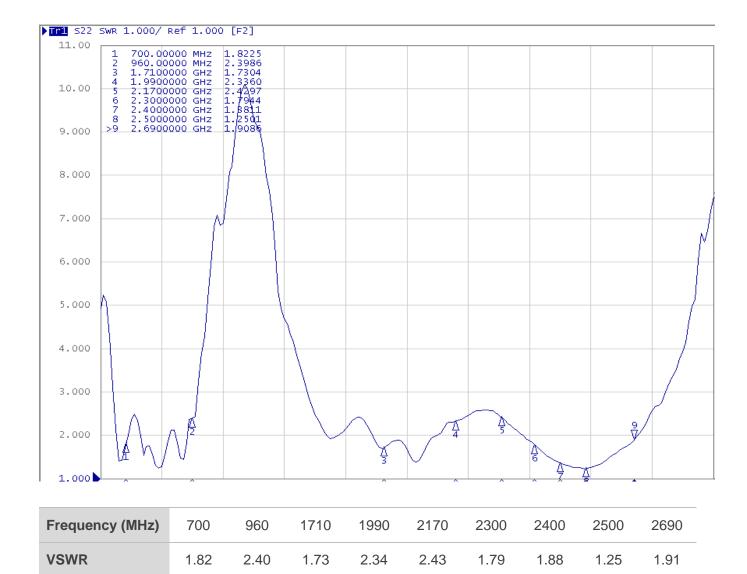
- KEYSIGHT VNA Network Analyzer E5063A 100 kHz 8.5 GHz
- RayZone® 2800 Chamber 5G (FR1) SISO/MIMO, 400 MHz 8.0 GHz



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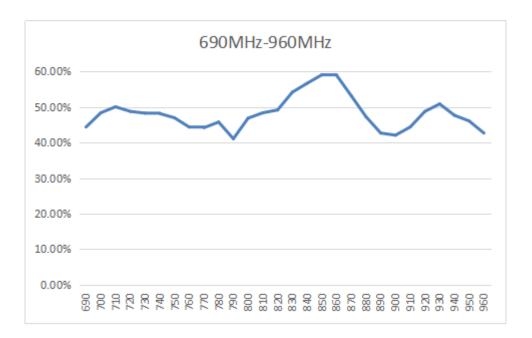
4.2. **VSWR**

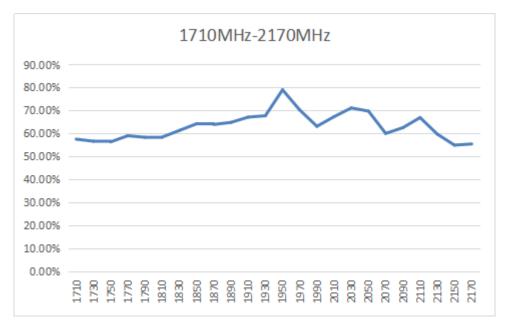


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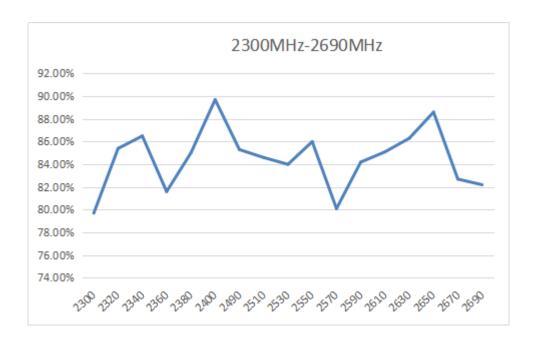
4.3. Efficiency





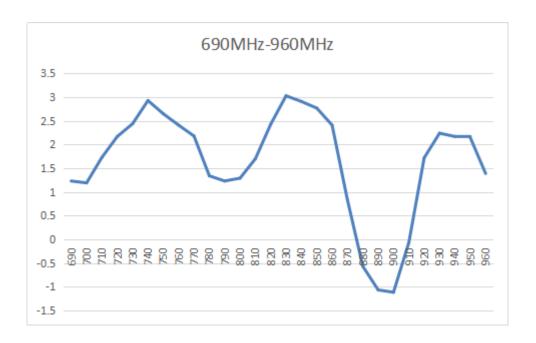
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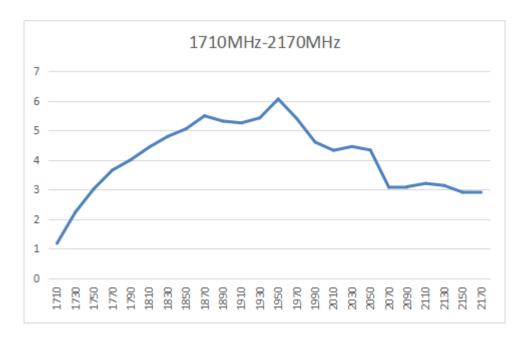
Frequency (MHz)	690	820	960	1710	1990	2170	2300	2590	2690
Efficiency (%)	44.4	49.2	42.7	57.5	63.1	55.4	79.7	84.2	82.2

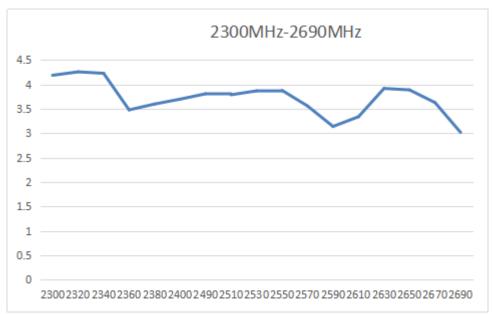
4.4. Gain



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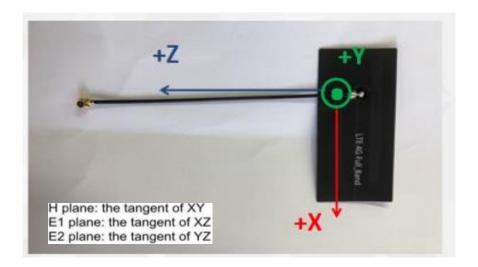


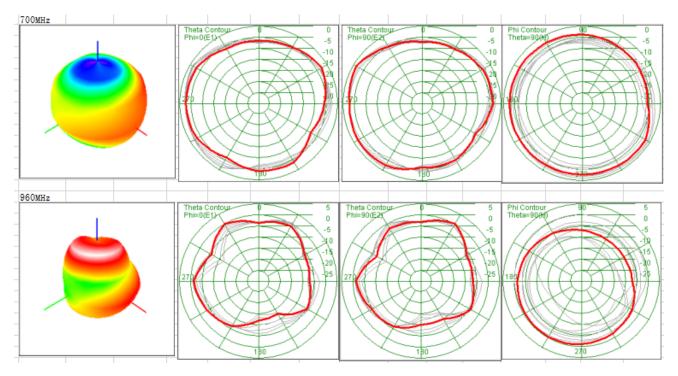
Frequency (MHz)	690	820	960	1710	1990	2170	2300	2590	2690
Gain (dBi)	1.23	2.43	1.89	2.18	4.61	2.93	4.19	3.14	3.02

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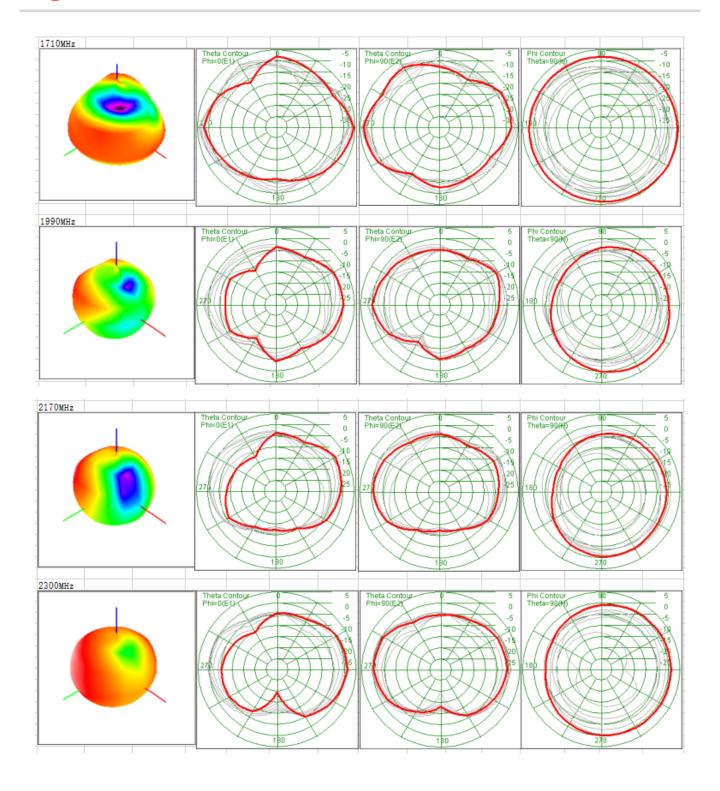
4.5. Radiation Pattern





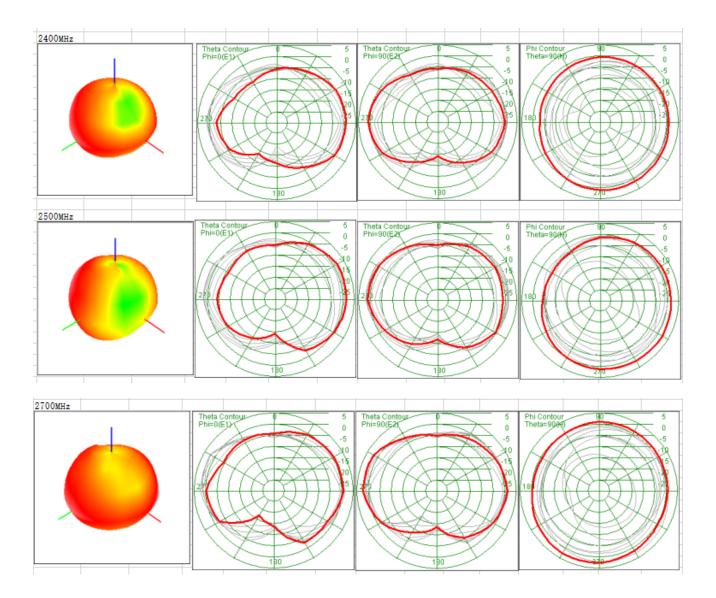
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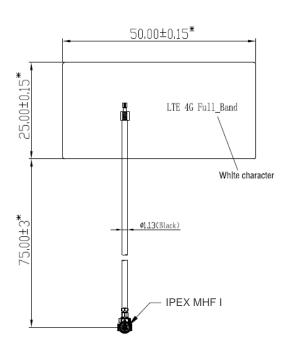


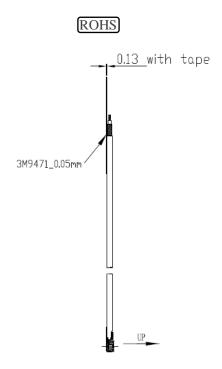


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5 Product Size





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Mouser Electronics

Authorized Distributor

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