

Antenna FCM100D Datasheet

Antenna Services

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About the Document

Revision History

Version	Date	Author	Note
-	2022-11-09	Boris.Wang	Creation of the document
1.0	2022-11-09	Boris.Wang	First official release

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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

- Wifi
- High efficiency
- Excellent performance



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3 Product Specifications

Passive E	lectrical Specifications	
Frequency Range		2400–2500 MHz
Input Impendence		50 Ω
VSWR		≤ 3.0
Gain		≤ -1 dBi
Polarizatio	n Type	Linear
Antenna Type		IFA
Detailed F	Passive Electrical Specifications	
Frequency		
Range (MHz)	2400–2500	
VSWR (Max.)	2.9	
Average Efficiency (%)	30	

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4 Overall Performance

4.1. Test Environment

- KEYSIGHT ENA Network Analyzer E5063A 100 kHz 8.5 GHz
- RayZone® 2800 Chamber 5G (FR1) SISO/MIMO, 600 MHz 8.5 GHz

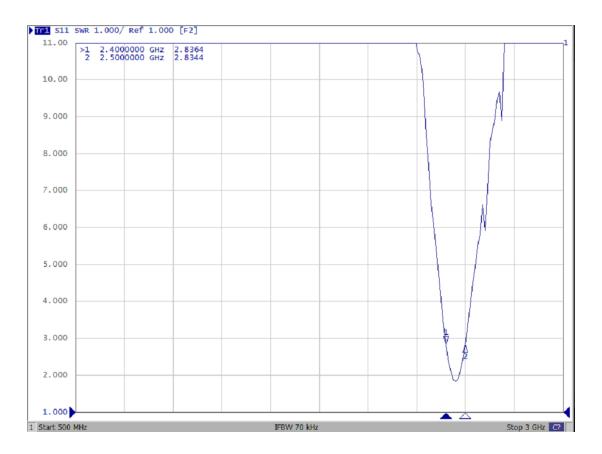


Other description:

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4.2. **VSWR**

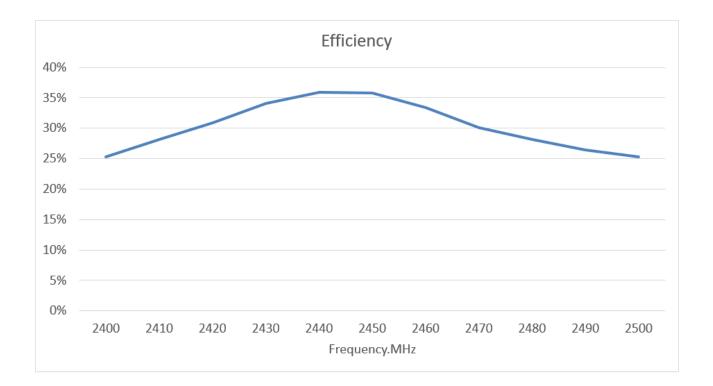


Frequency (MHz)	2400	2500
VSWR	2.84	2.83

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4.3. Efficiency

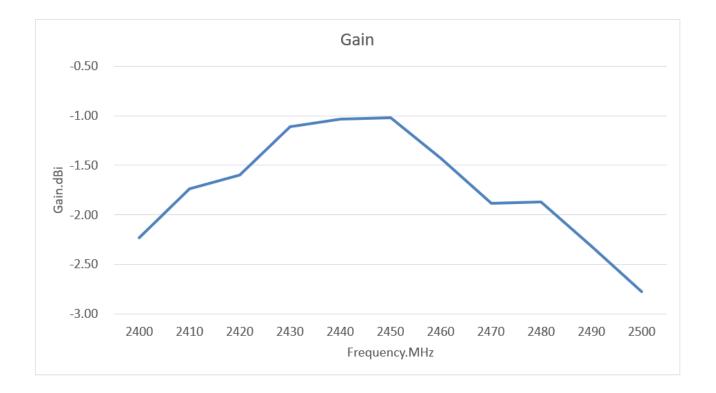


Frequency (MHz)	2400	2500
Efficiency (%)	25	26

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4.4. Gain



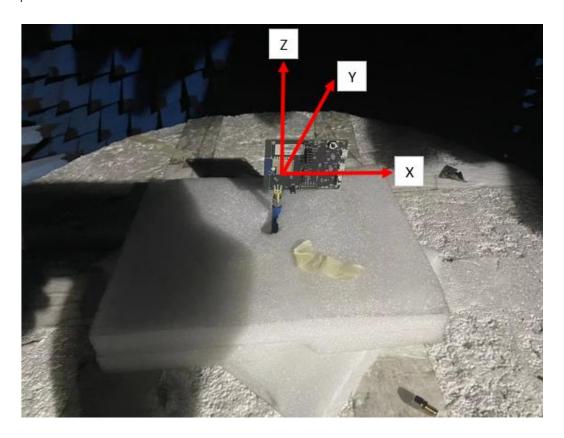
Frequency (MHz)	2400	2500
Gain (dBi)	-2.2	-2.7

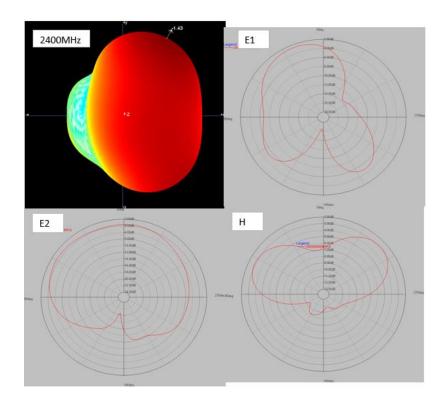
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4.5. Radiation Pattern

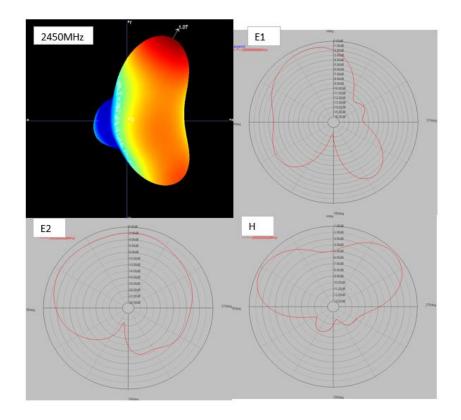
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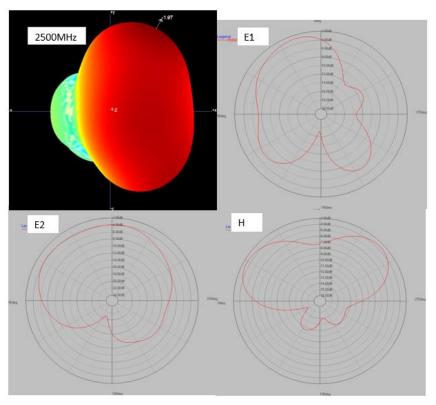




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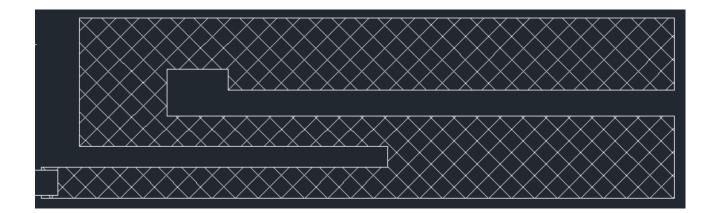




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5 Product Size



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