

PCB Antenna FC41D Datasheet

Antenna Services

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About the Document

Revision History

- 2022-05-26 Boris.Wang C	One of the old own and
	Creation of the document
1.0 2022-05-26 Boris.Wang F	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

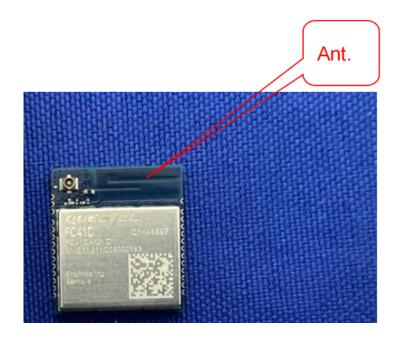
- Wifi
- High efficiency
- Excellent performance



3 Product Specifications

Passive Electrical Specifications	
Frequency Range	2400–2500 MHz
Input Impendence	50 Ω
VSWR	≤ 3.0
Gain	≤ -1.8 dBi
Polarization Type	Linear

Detailed Passive Electrical Specifications			
Frequency			
Range	2400–2500		
(MHz)			
VSWR	2.7		
(Max.)	2.1		
Average			
Efficiency	35		
(%)			
Max. Peak	10		
Gain (dBi)	-1.8		





4 Overall Performance

4.1. Test Environment

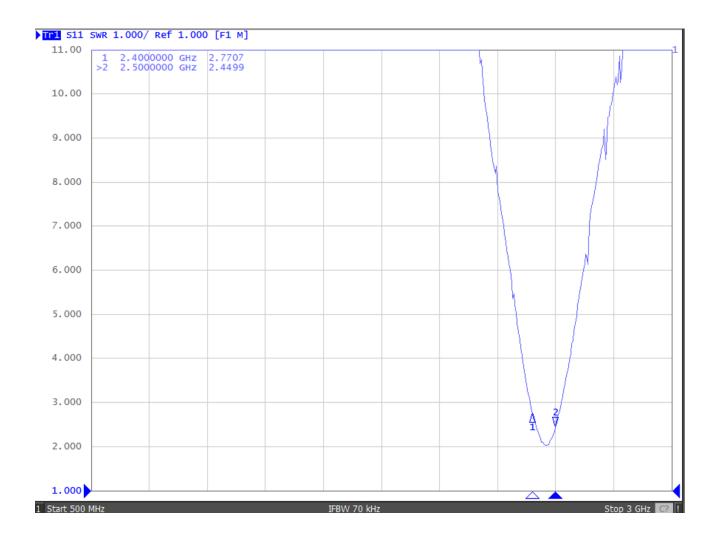
- KEYSIGHT ENA Network Analyzer E5063A 100 kHz 8.5 GHz
- RayZone® 2800 Chamber 5G (FR1) SISO/MIMO, 600 MHz 8.5 GHz



Other description:



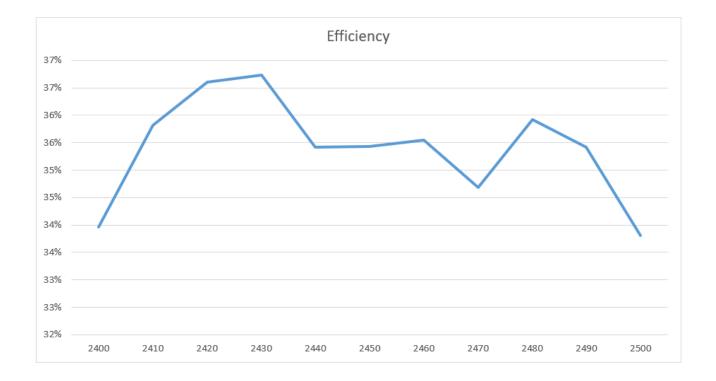
4.2. **VSWR**



Frequency (MHz)	2400	2500
VSWR	2.77	2.44



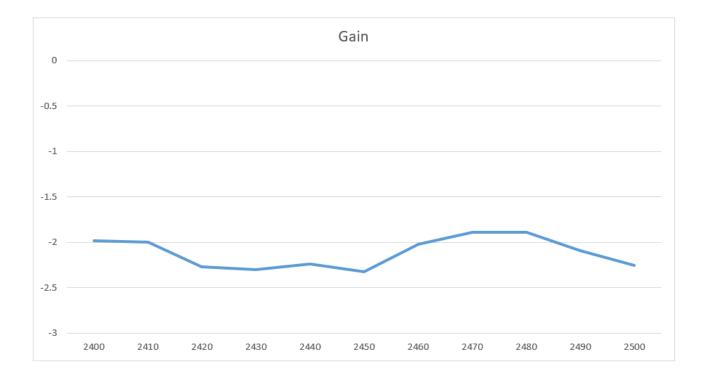
4.3. Efficiency



Frequency (MHz)	2400	2500
Efficiency (%)	34	33



4.4. Gain

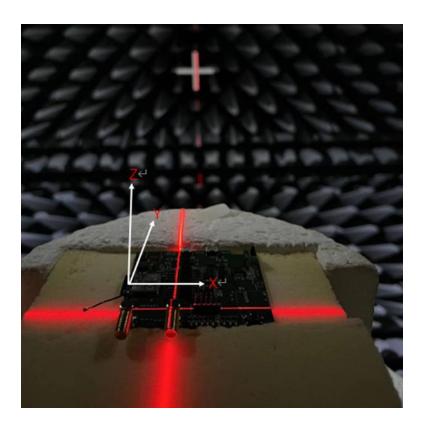


Frequency (MHz)	2400	2500
Gain (dBi)	-2	-2.2

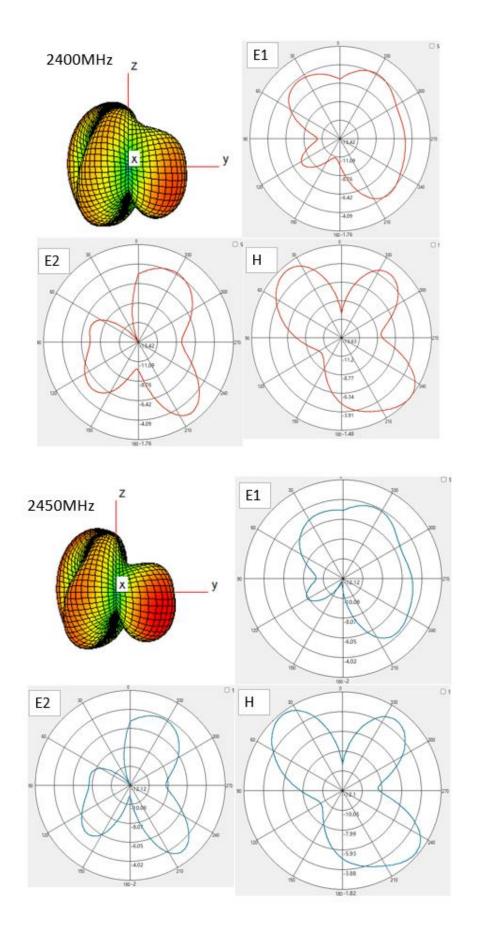


4.5. Radiation Pattern

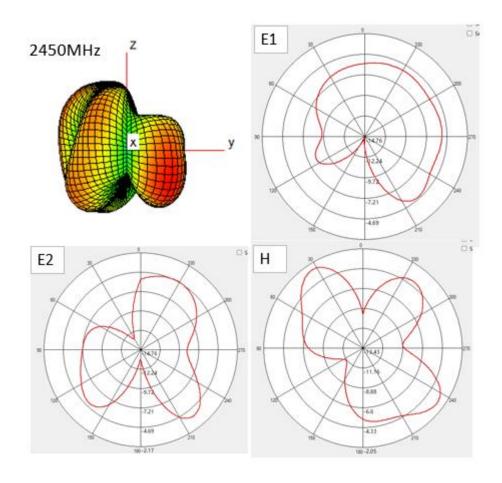
• free space













5 Product Size (mm)

