

WF-Q7C

Compact & Rugged Wi-Fi Antenna



Product Description

The WF-Q7C is a compact and rugged industrial-grade Wi-Fi antenna. It's mounted to the surface by a 3M tape attached at the antenna bottom. Customized antenna spec is welcome to discuss. Please also contact us for the customization if required.

Highlight

- ✓ Compact design combined with high performance antenna element
- ✓ Separated RF adapter and cable design for installation flexibility.
- ✓ Cable direct entry through a cable terminated by a RF connector is optional.
- ✓ Customized color for the housing to fit the installation is available.

Feature

- ✓ Central screw mount, easy installation.
- ✓ Rugged housing
- ✓ Ground independent design

Matched to Radio Modules from:

Sierra Wireless, Telit, Huawei, Gemalto, uBlox, ZTE, and others.

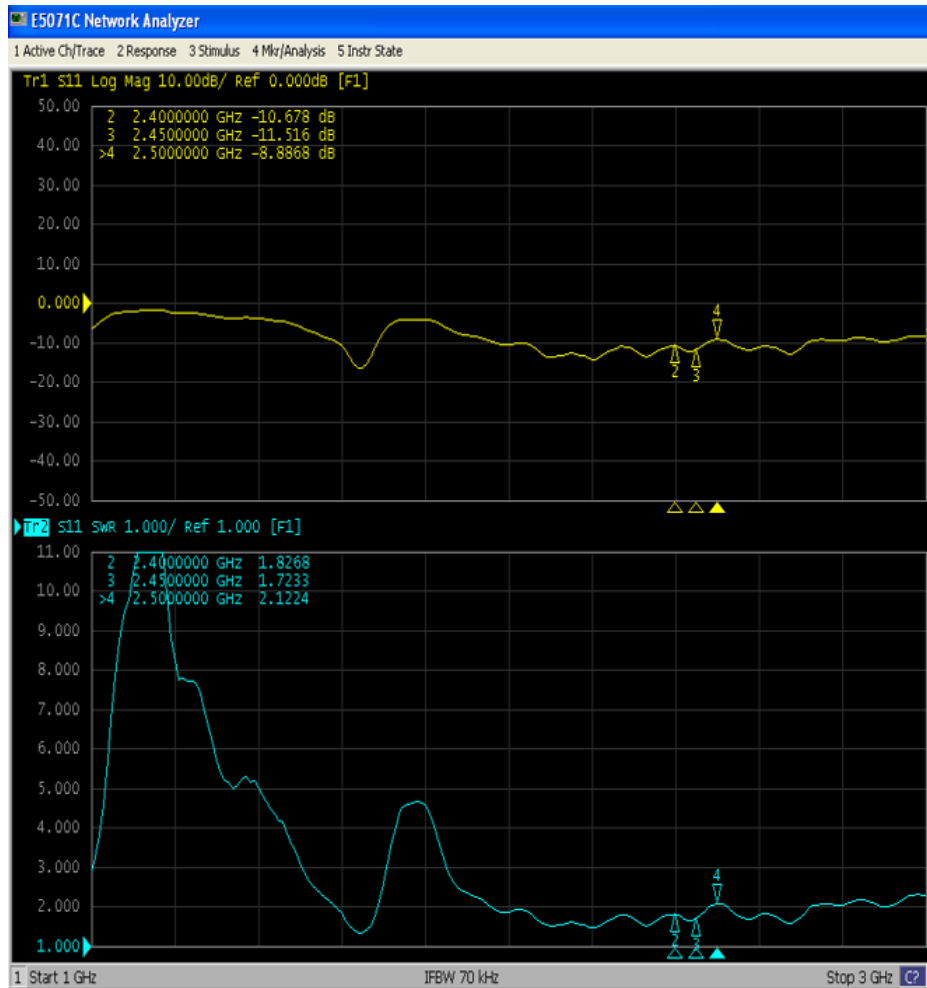
Mechanical Specification

Dimension	48mm(dia.) x 82mm
Mounting	Through hole mount with a 3M tape
Cable	RG-174/ CFD-100
Connector	SMA type plug ** Other RF connectors are optional
Enclosure	ABS / Black
Operation Temperature	-35°C ~ +80°C
Storage Temperature	-40°C ~ +85°C
Weight	95g

Electrical Specification - Cellular

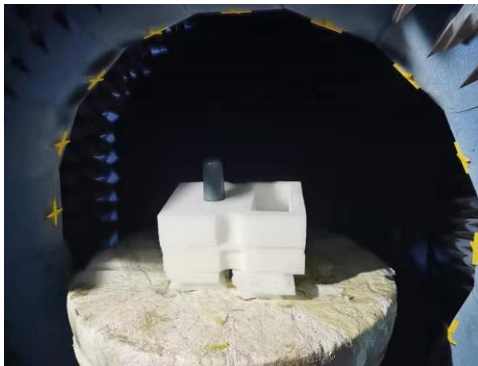
Frequency	2400 ~ 2483MHz
Gain (Peak)	2.33 dBi
Efficiency (%)	63.68%
Impedance	50Ω
VSWR	<2.0
Polarization	Linear

Antenna Measurement _ Return Loss & VSWR



Note:

- The antenna is measured without a ground plane.
- Equipment: Agilent 5071



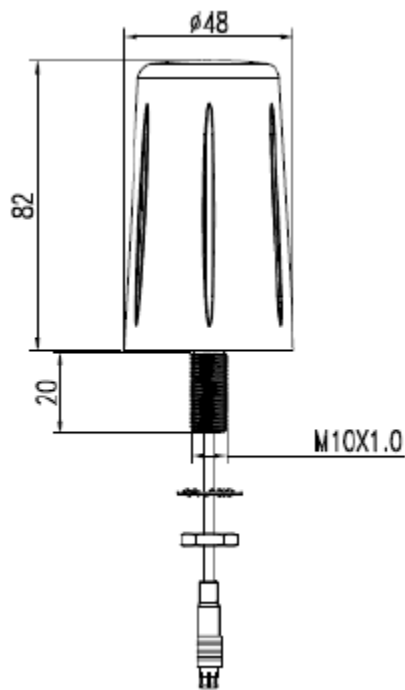
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Industrial Rugged Wi-Fi Antenna

Antenna Measurement _ Gain & Efficiency

Frequency (MHz)	2400	2420	2440	2460	2480	2500
Efficiency (%)	63.68	62.74	62.15	62.17	59.62	57.56
Peak Gain (dBi)	2.29	2.26	2.33	2.31	2.14	2.04

Antenna Drawing



- a. Cable Options: RG-174 or CFD -100
- b. Connector: RF connectors
- c. Length of the threaded stud could be adjusted its length to fit the thickness of the surface
- d. Color of the housing can be customized