

Antenna YB0010AA Data Sheet

Antenna Services

Version: 1.2

Date: 2020-12-11

Status: Released



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Quectel Wireless Solutions Co., Ltd.

Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233, China Tel: +86 21 5108 6236 Email: <u>info@quectel.com</u>

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About the Document

Revision History

Version	Date	Author	Note
1.0	2020-06-28	Kenny YIN	Initial
1.1	2020-11-19	Kenny YIN	Added the mounting method in Chapter 3.
1.2	2020-12-11	Kenny YIN	Updated the antenna image in Chapter 2.



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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
- Excellent performance
- Excellent performance





3 Product Specifications

Passive Electrical Specifications					
Frequency Range (MHz)	698–960 MHz; 1710–2690 MHz				
Input Impendence	50 Ω				
VSWR	≤ 3.0				
Gain	2.94 dBi				
Polarization Type	Linear				
Mechanical Specifications					
Antenna Size (mm)	Φ84 mm × 81.5 mm × 16 mm				
Antenna Size (mm) Casing	Φ84 mm × 81.5 mm × 16 mm PC + ABS				
Casing	PC + ABS				
Casing Connect Type	PC + ABS SMA Male				
Casing Connect Type Working Temperature ()	PC + ABS SMA Male -20 °C to +80 °C				



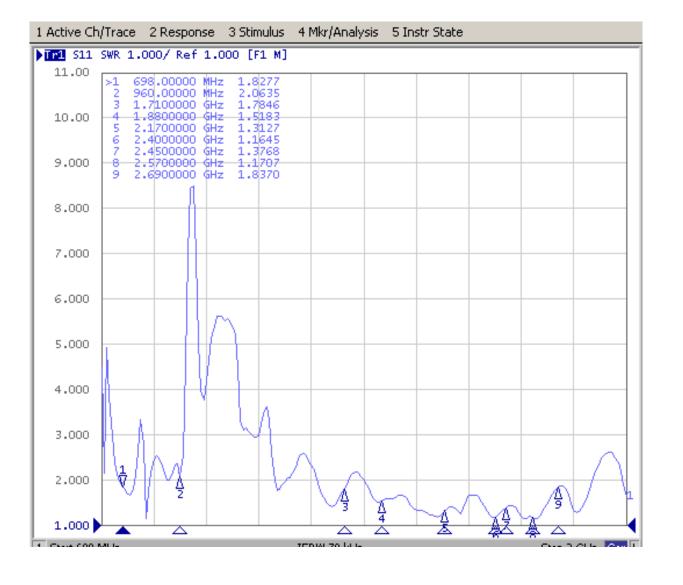
4 Overall Performance

- Test Environment
 - KEYSIGHT VNA Network Analyzer E5063A 100 kHz 6.5 GHz
 - RayZone[®] 2800 Chamber 5G (FR1) SISO/MIMO, 400 MHz 6.0 GHz.





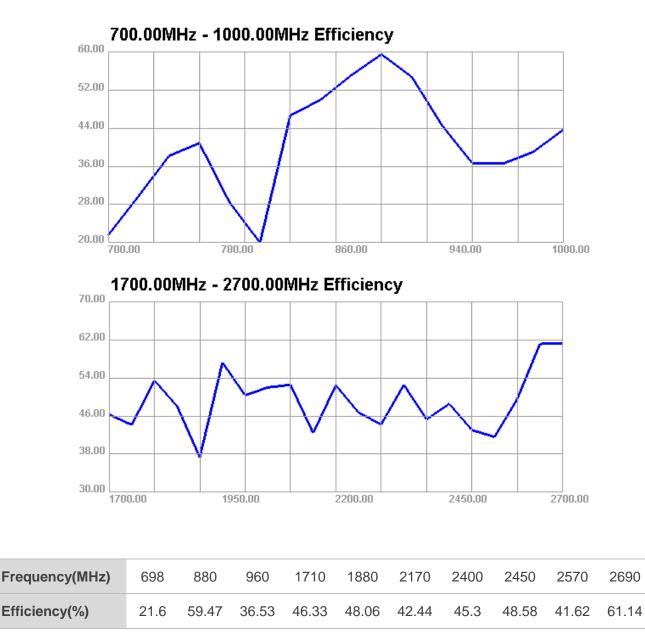
• VSWR



Frequency(MHz)	698	960	1710	1880	2170	2400	2450	2570	2690
VSWR	1.82	2.06	1.78	1.51	1.31	1.16	1.37	1.17	1.84

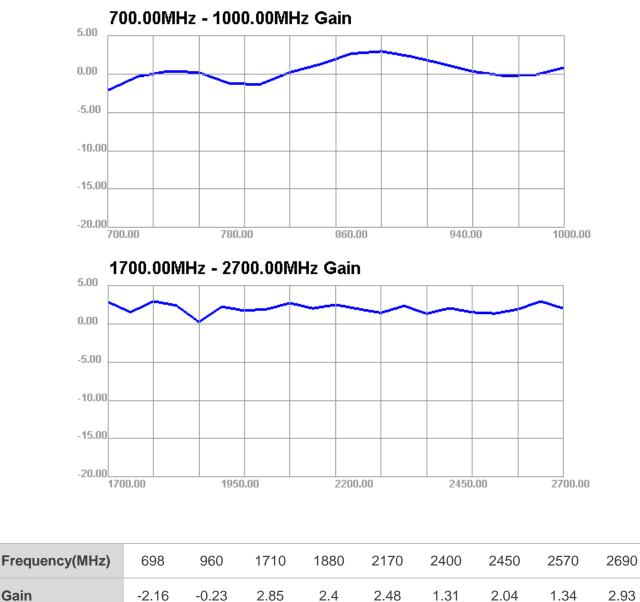


• Efficiency





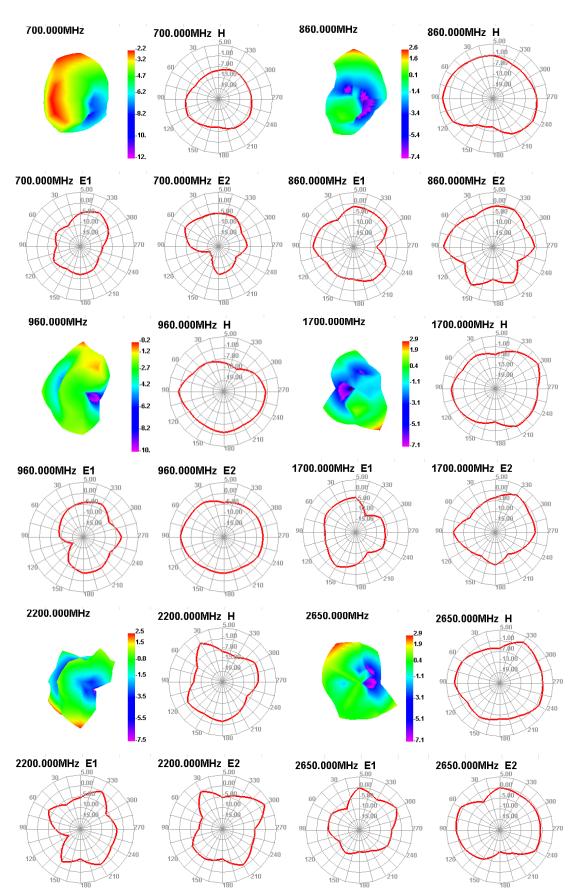
Gain



Gain



Radiation Patterns





5 Product Size

