

Antenna YKL001CA Datasheet

Antenna Services

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About the Document

Revision History

Version	Date	Author	Note
1.0	2020-07-27	FuFeng MEI	Initial
1.1	2020-12-15	FuFeng MEI	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 NB
- High efficiency
- Excellent performance





3 Product Specifications

Passive Electrical Specifications				
Frequency Range	NB: 800–1000 MHz; 1700–1900 MHz			
Input Impendence	50 Ω			
VSWR	≤ 4.5			
Gain	≤ 2.19 dBi			
Polarization Type	Linear			
Mechanical Specifications				
Antenna Size	50 mm × 48 mm			
Casing	PC + ABS			
Radiator	Cuprum			
Connect Type	SMA (Male pin with internal thread)			
Working Temperature	-20 °C to +80 °C			
Radome Color	Black			
Waterproof Grade	IP66			



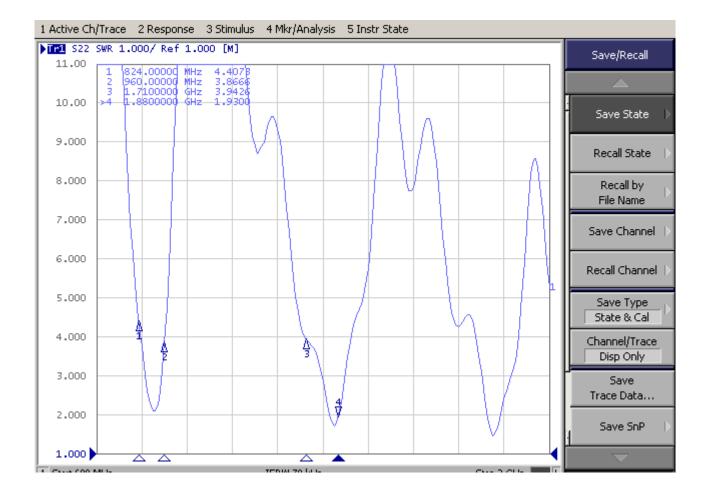
4 Overall Performance

- 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

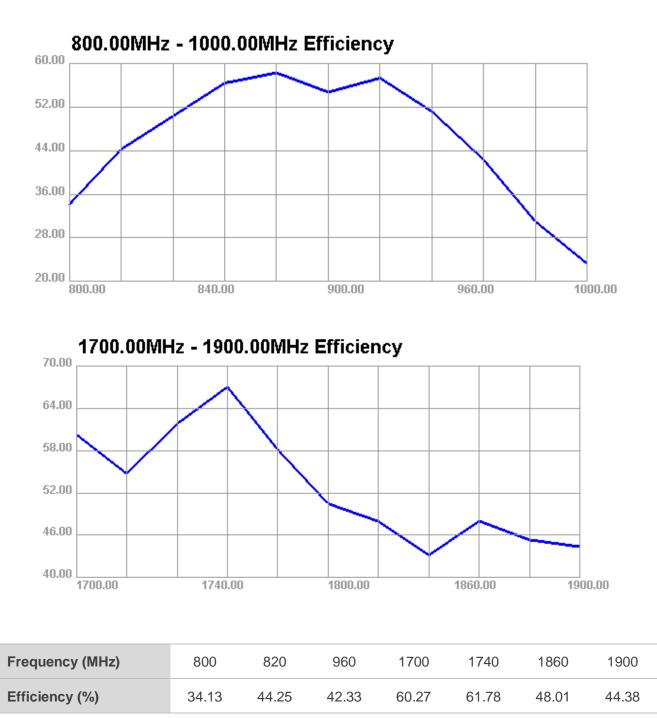


Frequency (MHz)	824	960	1710	1880
VSWR	4.41	3.87	3.94	1.93



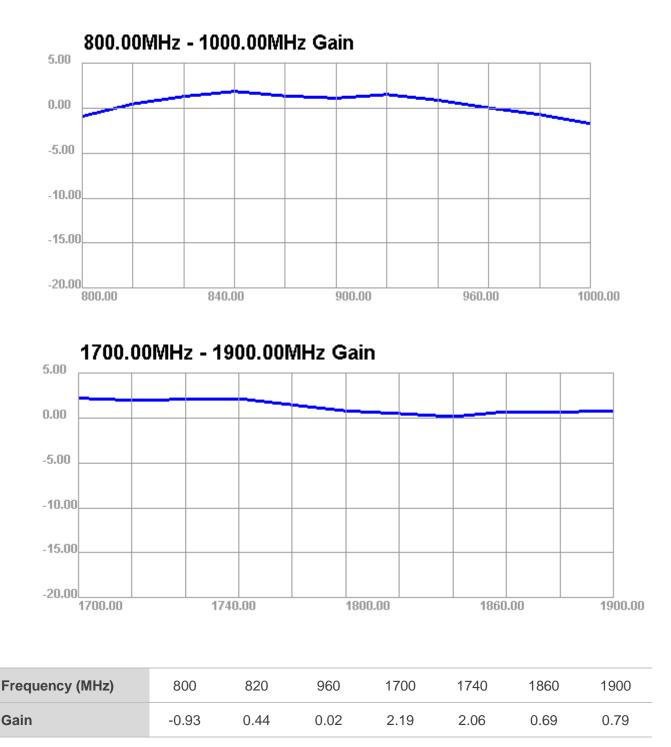


• Efficiency



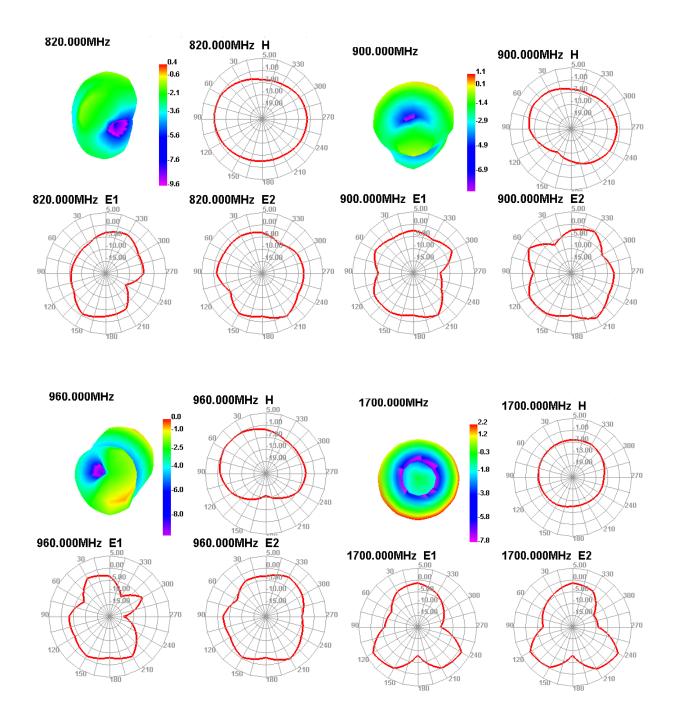


Gain

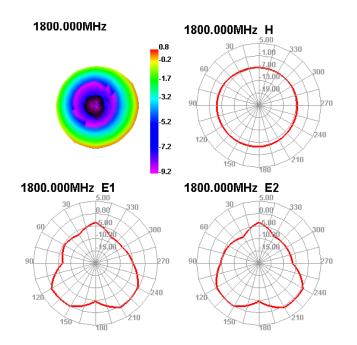




Radiation Patterns









5 Product Size

