

ALLISCOM

CE200

2G/3G Cellular Passive Antenna

Data Sheet



Model No. CE200

Features Omni-directional for cellular system
824~960MHz/ 1710~2170MHz
Waterproof IP67
RoHS Compliant

Description The CE200 is an omni-directional, IP67 waterproof antenna. A low profile passive antenna guarantees continuous signal coverage for excellent operation. The combination antenna is customizable to RF connector and cable length.

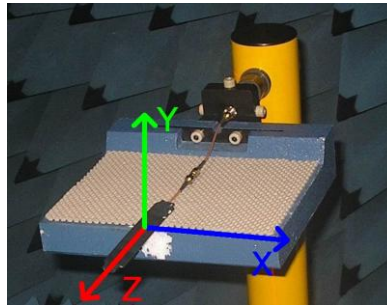
1. Antenna Performance

1.1 Performance

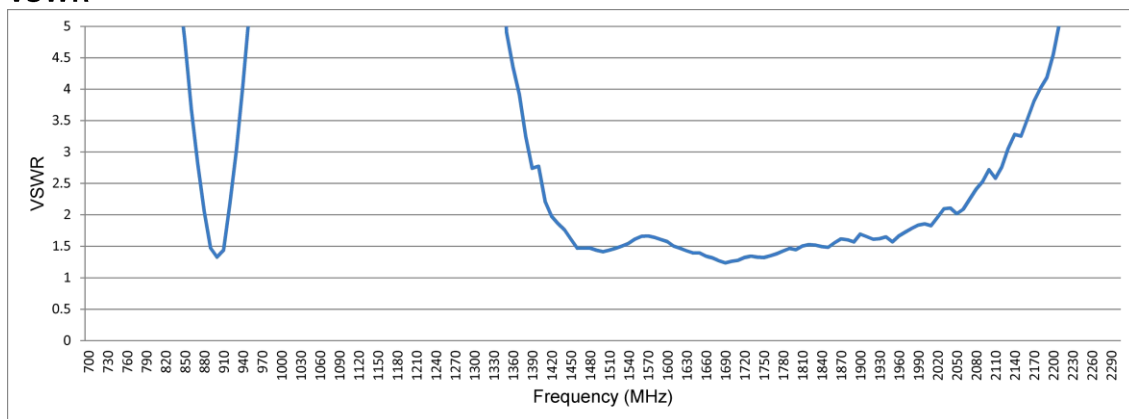
Frequency	824~960MHz	1710~2170MHz
Maximum Peak Gain (dBi)	0.89	3.1
Average Peak Gain (dBi)	-1.3	1.56
Maximum Efficiency (%)	45.8	69.4
Average Efficiency (%)	31.1	54.5
VSWR	3.0 : 1 max.	2.0 : 1 max.
Impedance	50Ω	
Pattern Type/ Polarization	Omni-directional / Linear	

Note: Specifications subject to change without notice.

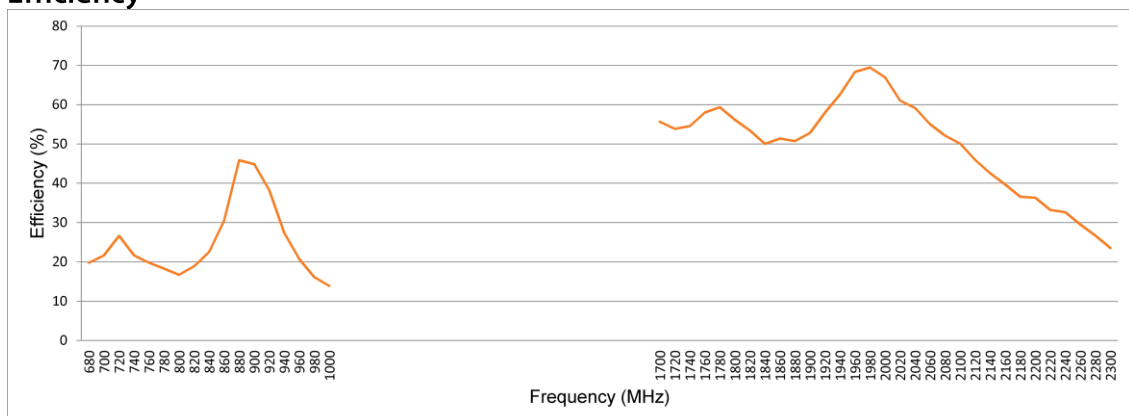
1.2 Antenna Measurement



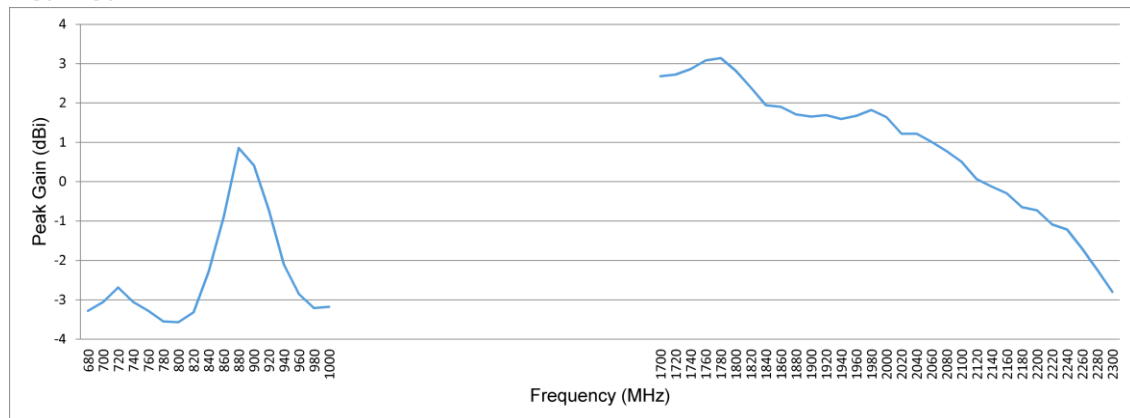
● VSWR



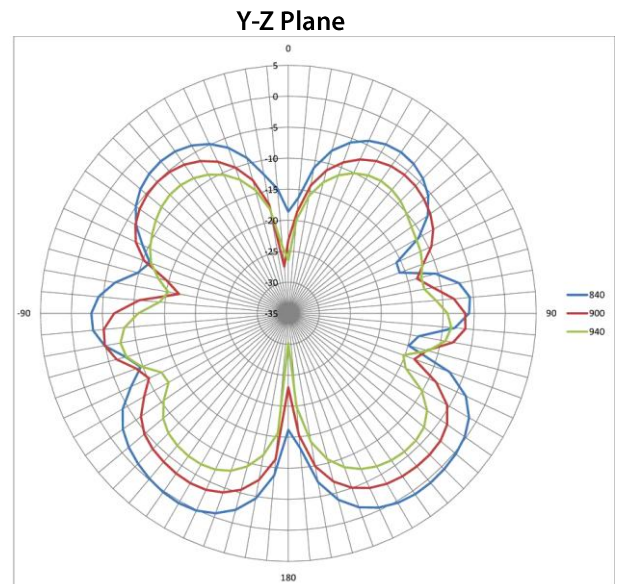
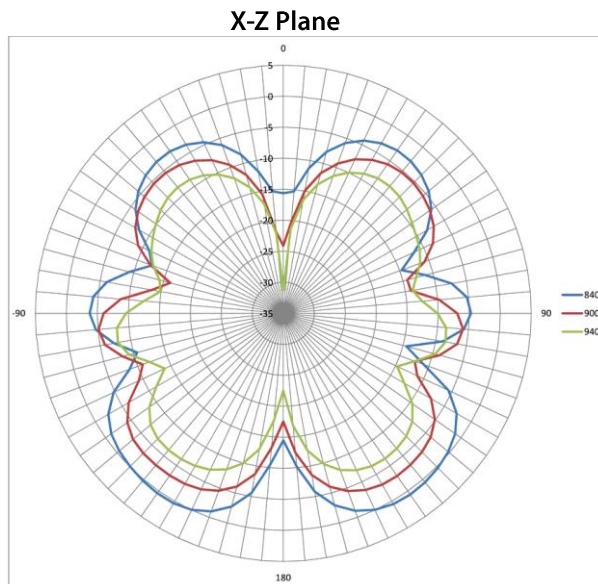
● Efficiency



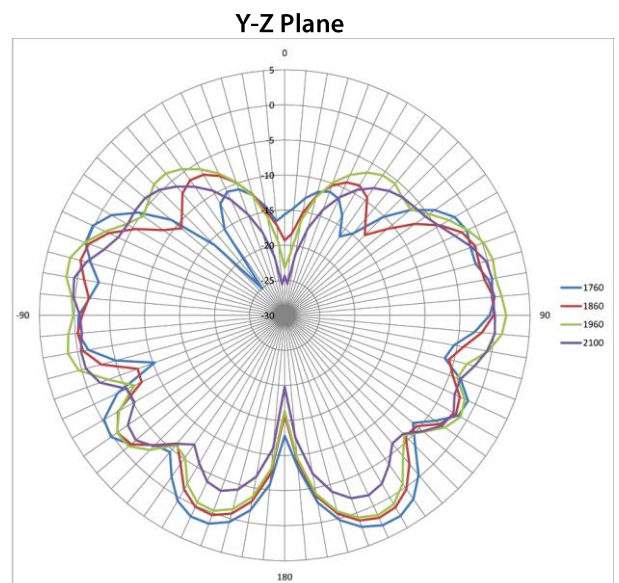
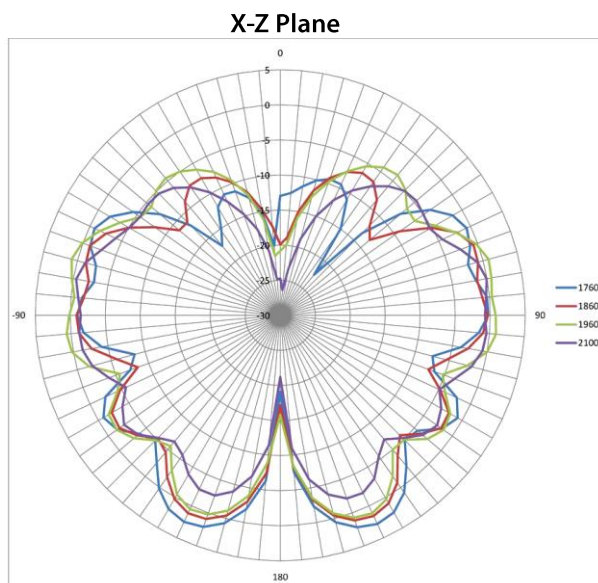
● Peak Gain



● Radiation Pattern 824~960MHz

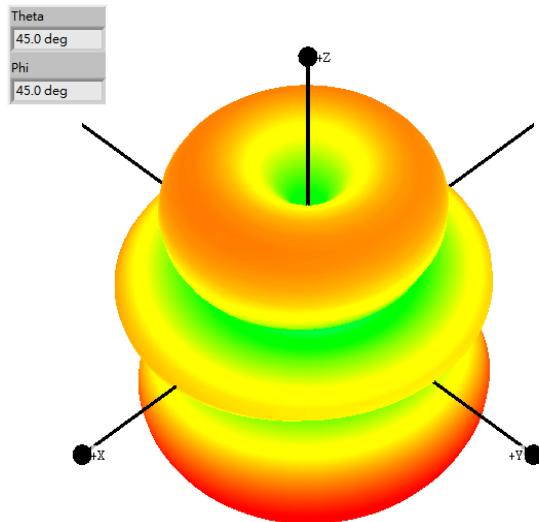


1710~2170MHz

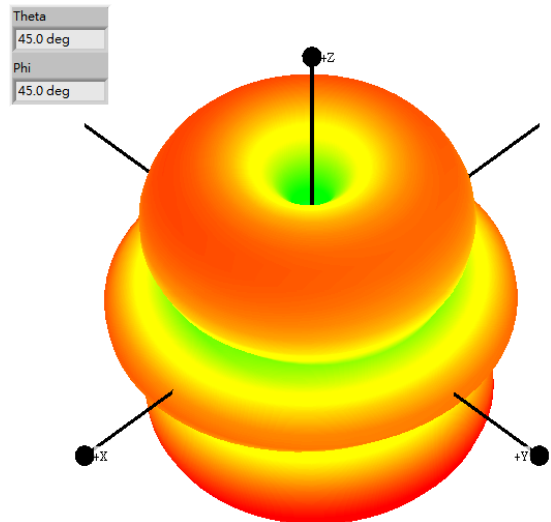


- 3D Radiation Pattern

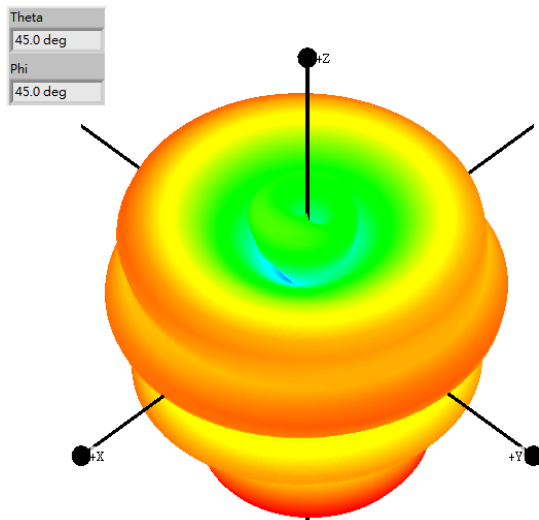
840MHz-Peak Gain: -1.2dBi



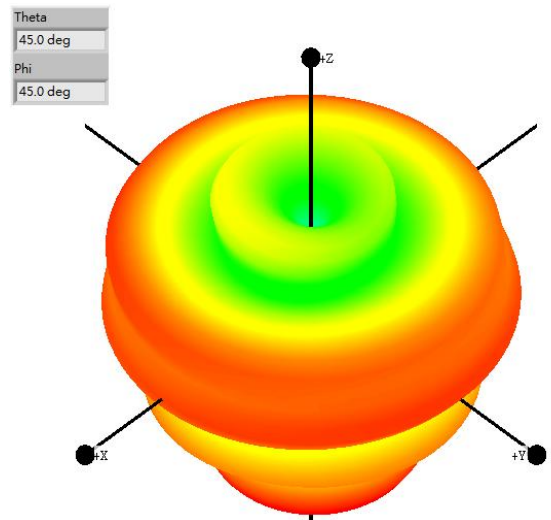
900MHz-Peak Gain: -0.45dBi



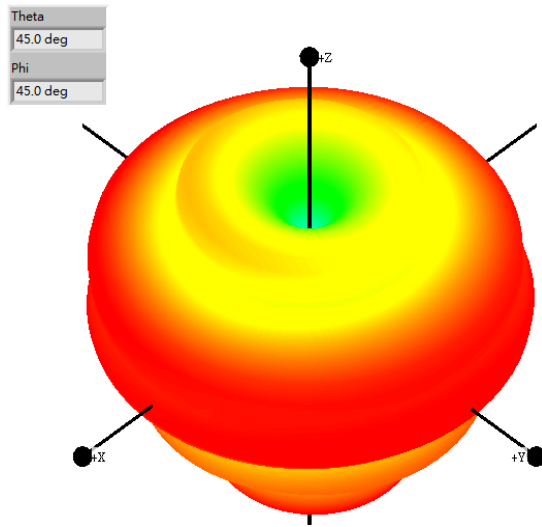
1760MHz-Peak Gain: 3.08dBi



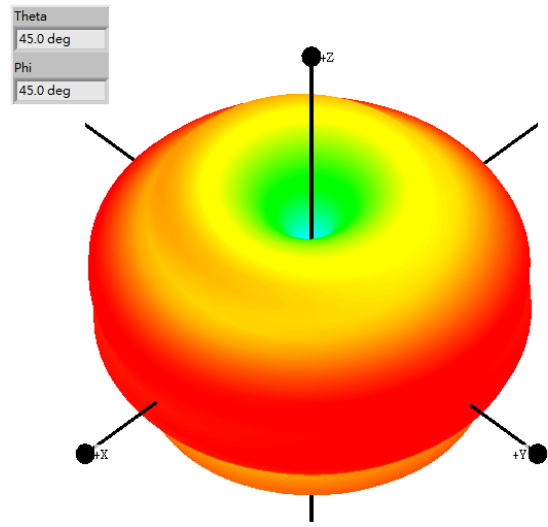
1860MHz-Peak Gain: 1.9dBi



1960MHz-Peak Gain: 1.66dBi



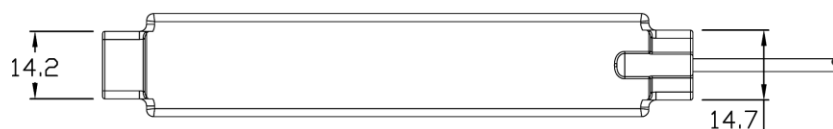
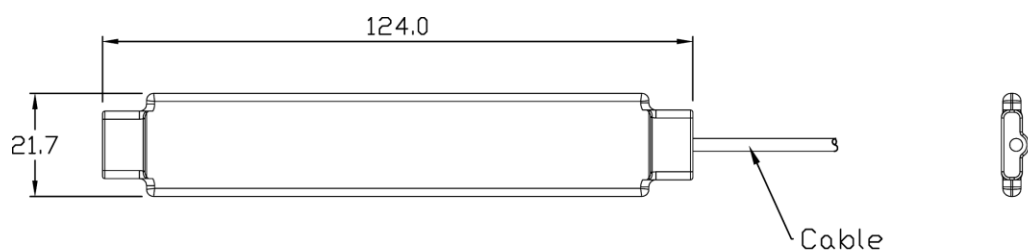
2100MHz-Peak Gain: 0.5dBi



2. Mechanical Specifications

Housing Material	Polyolefin
Size	124 *21.7*5.9 mm
Weight(without Cable)	11.5 grams max.
Cable	RG174
Connector	Custom
Housing Color	Black

Note: Specifications subject to change without notice.



Unit: mm

3. Environmental Specification

Operating Temperature	-40°C to +70°C
Storage Temperature	-40°C to +85°C
Humidity	95%~100% RH
Degrees of Protection(With Housing)	IP67 (Dustproof and Waterproof)

Note: Specifications subject to change without notice.