

ALLISCOM

CE300

2G/3G/4G Cellular Passive Antenna

Data Sheet



Model No. CE300

Features Omni-directional for cellular system
696~960MHz/ 1710~2170MHz
RoHS Compliant

Description The CE300 is an omni-directional. A low profile passive antenna guarantees continuous signal coverage for excellent operation. The combination antenna is customizable to RF connector and cable length.

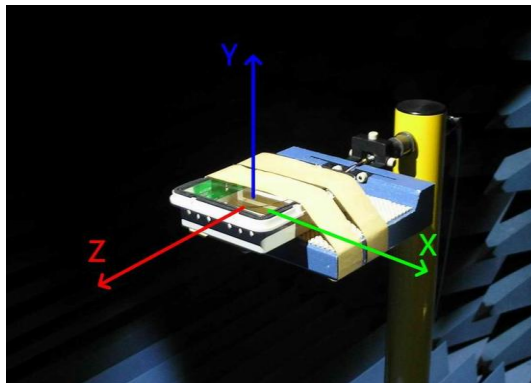
1. Antenna Performance

1.1 Performance

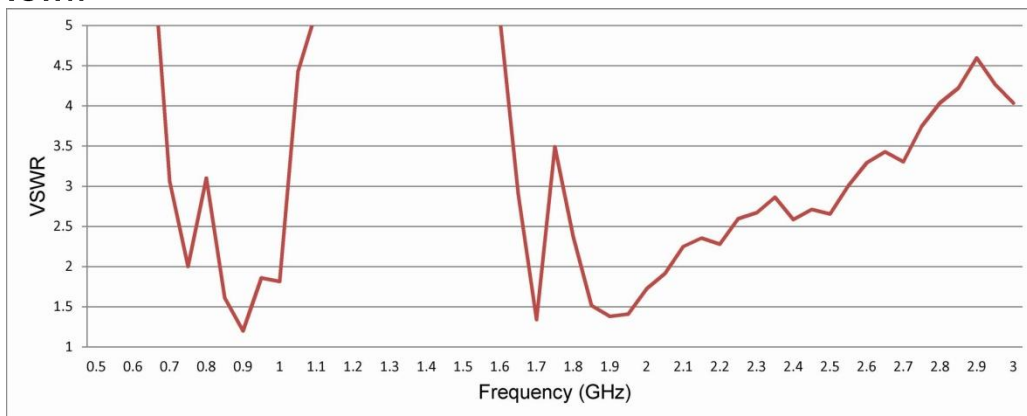
Frequency	696~960MHz	1710~2170MHz
Maximum Peak Gain (dBi)	2.5	2.9
Average Peak Gain (dBi)	-0.1	1.6
Maximum Efficiency (%)	76.5	79.2
Average Efficiency (%)	50.8	62.1
VSWR	3.0 : 1 max.	2.5 : 1 max.
Impedance	50Ω	
Pattern Type/ Polarization	Omni-directional / Linear	

Note: 1. Measured with 190mm 1.13mm coaxial cable and plastic housing of 3.5mm thickness
 2. Specifications subject to change without notice.

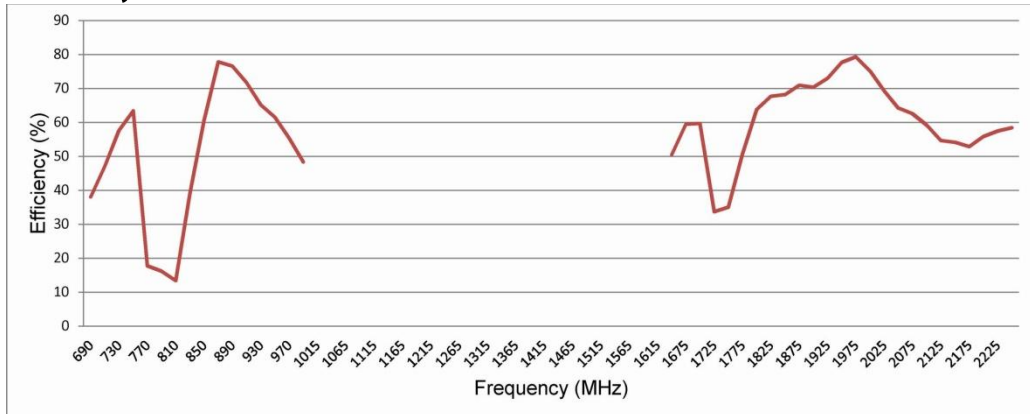
1.2 Antenna Measurement



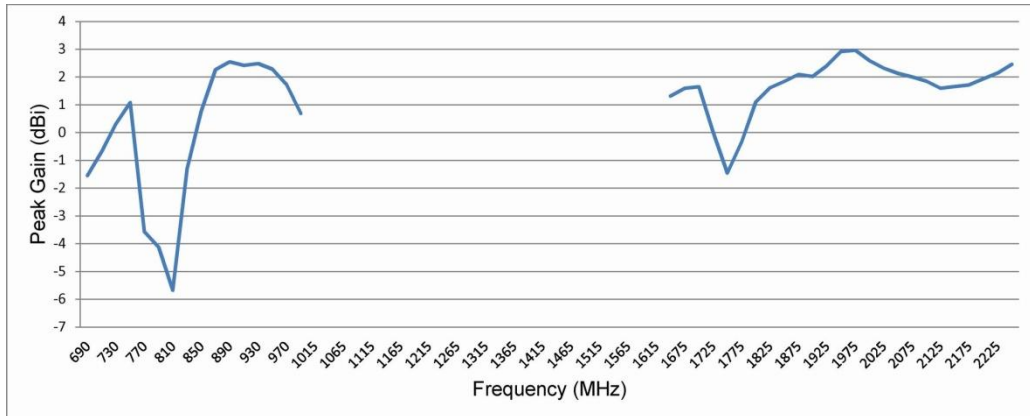
● VSWR



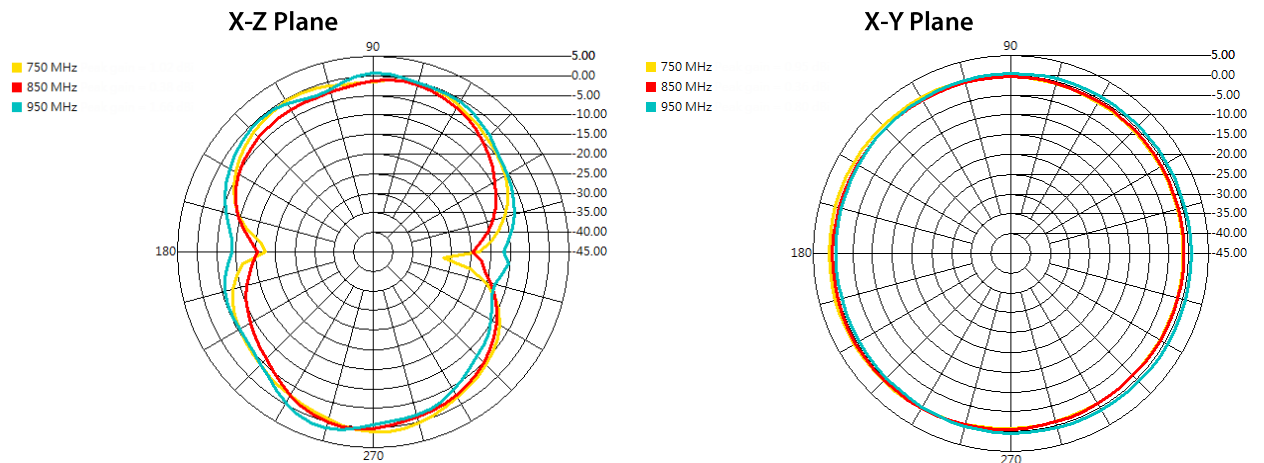
● Efficiency



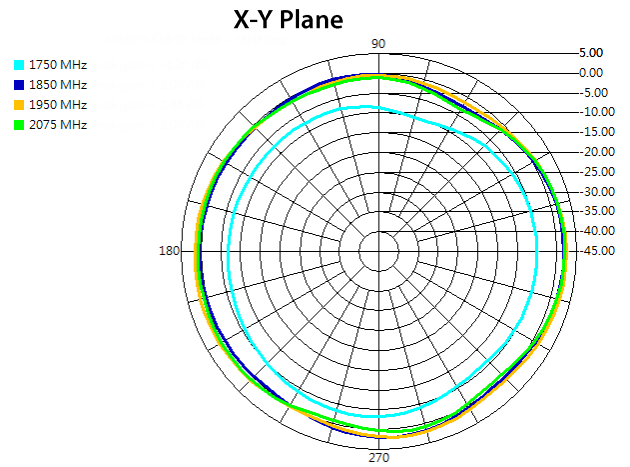
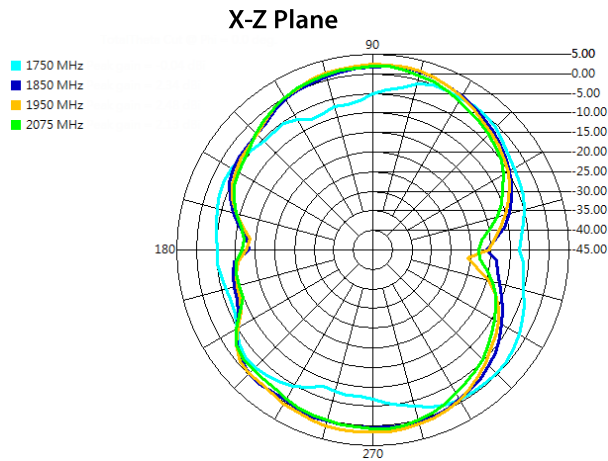
● Peak Gain



● Radiation Pattern
696~960MHz

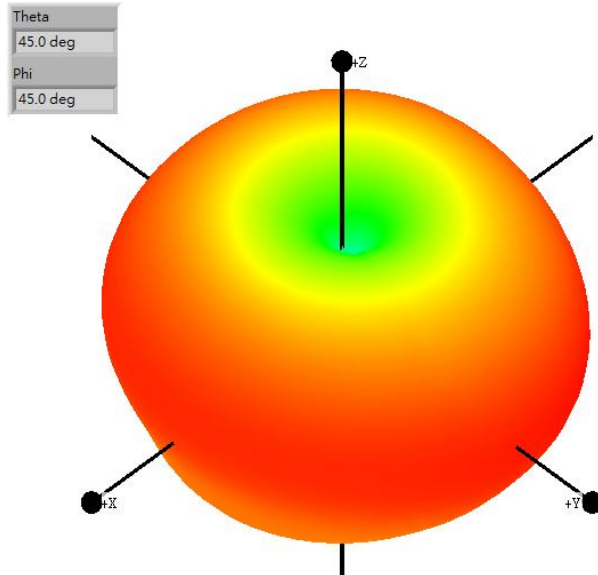


1710~2170MHz

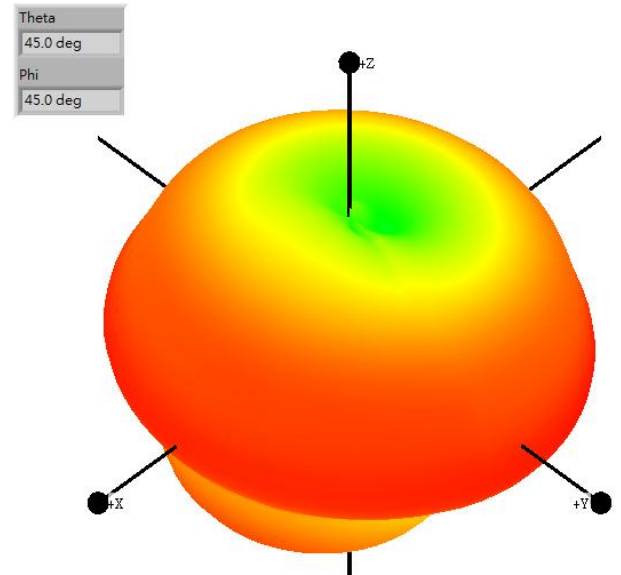


● 3D Radiation Pattern

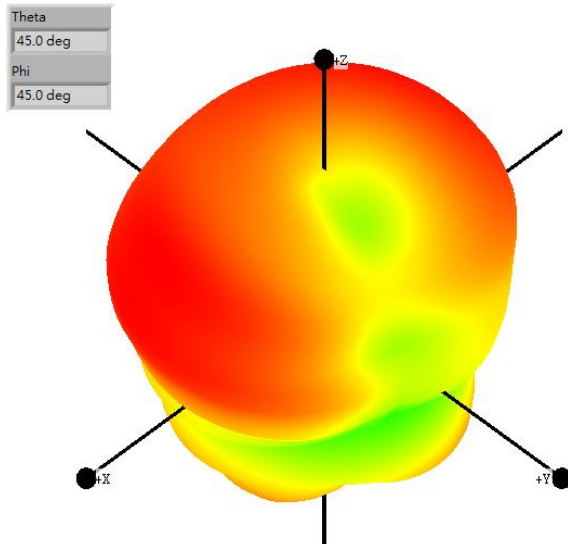
850MHz-Peak Gain: 0.47dBi



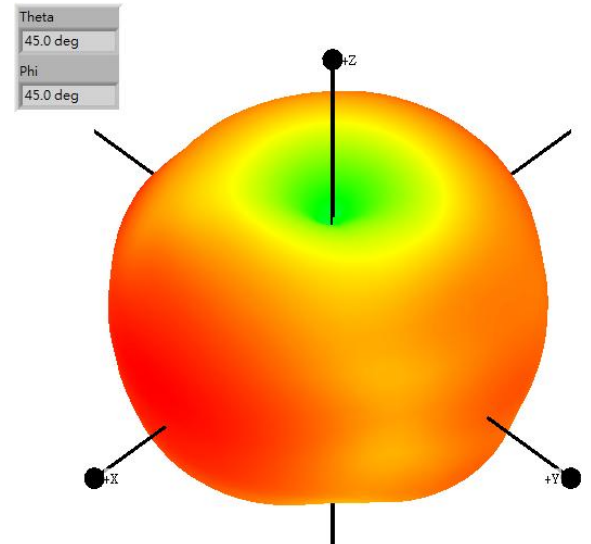
950MHz-Peak Gain: 1.69dBi



1750MHz-Peak Gain: 0.26dBi

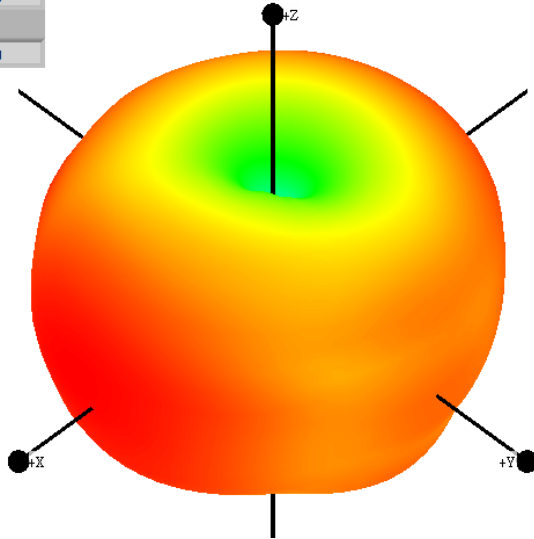


1850MHz-Peak Gain: 2.39dBi



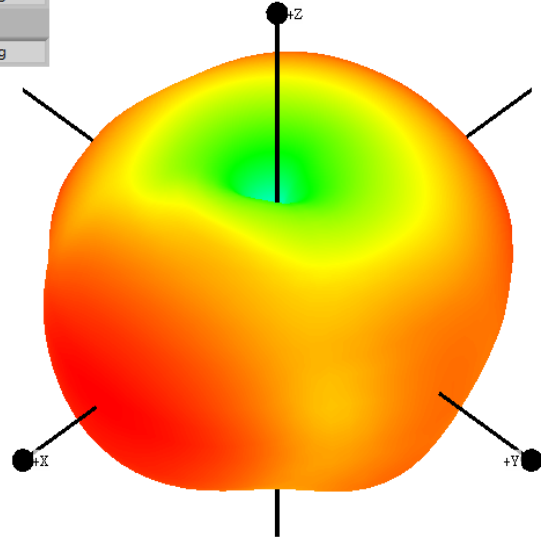
1950MHz-Peak Gain: 2.54dBi

Theta
45.0 deg
Phi
45.0 deg



2075MHz-Peak Gain: 2.13dBi

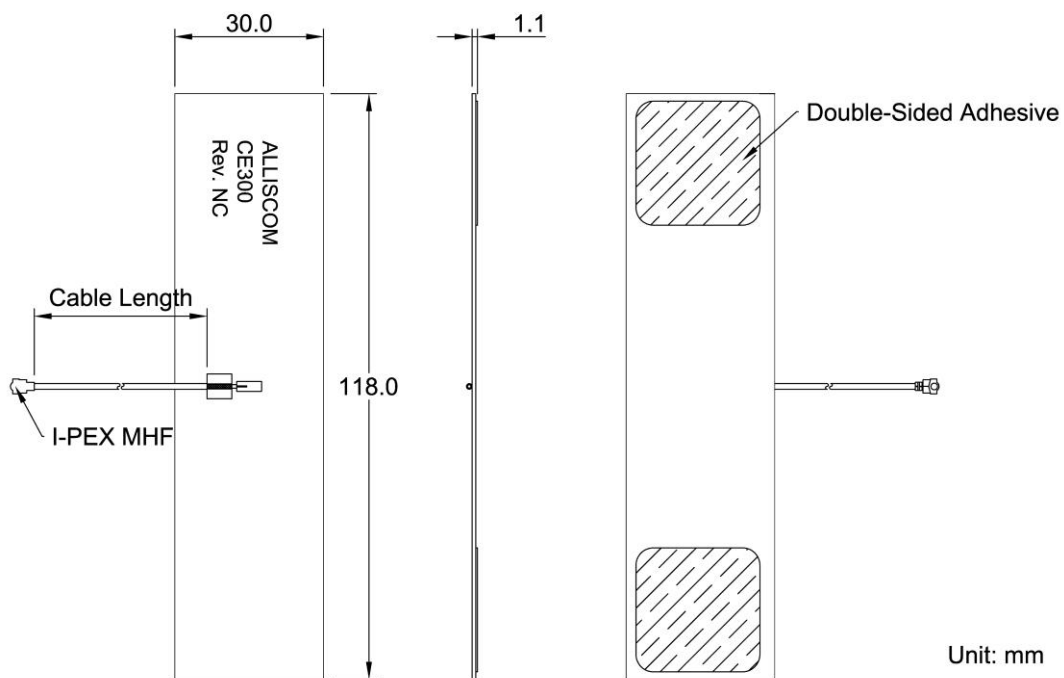
Theta
45.0 deg
Phi
45.0 deg



2. Mechanical Specifications

PCB Size	118 *30*1.1 mm
Weight(without Cable)	5.8 grams max.
Cable	Custom
Connector	Custom

Note: Specifications subject to change without notice.



3. Environmental Specification

Operating Temperature	-40°C to +70°C
Storage Temperature	-40°C to +85°C
Humidity	95%~100% RH

Note: Specifications subject to change without notice.