

ALLISCOM

CE120/CE121

Cellular Terminal Antenna

Data Sheet



Model No. CE120/CE121

Feature **For 2G/3G**
Straight / 90° Elbow Connector
High Efficiency for 800MHz~2300MHz
Dipole terminal antenna
Omni direction

Description **CE120/CE121 is a high performance and quality dipole antenna for Cellular system application. The antenna features high efficiency and meet all of the 2G/3G performance standard. CE120 is customizable to a straight or a elbow type SMA connector.**

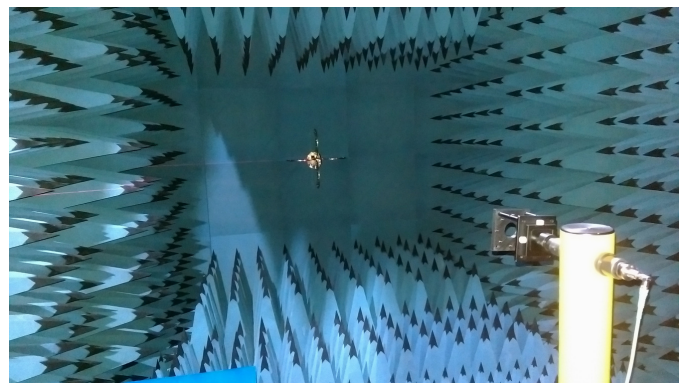
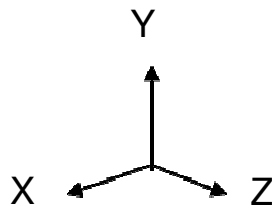
1. Electrical Specifications

1.1 Electrical Data

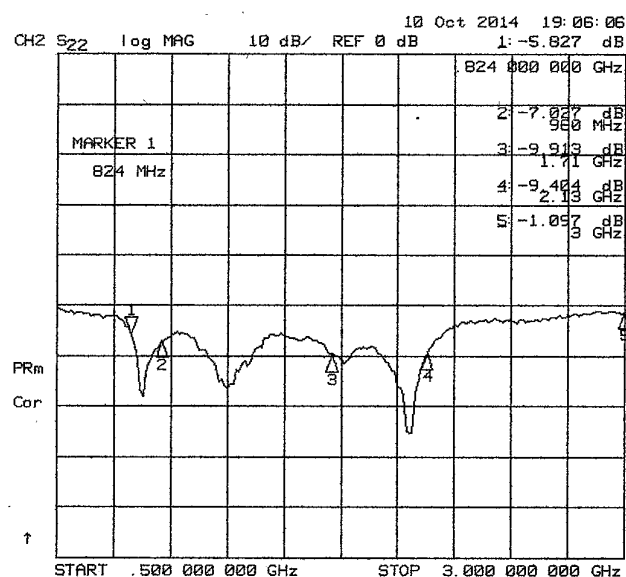
Frequency	824~960 GHz	1710~2300 GHz
Communication System	T-GSM810,GSM850,P-GSM900	DCS-1800,PCS-1900,WCDMA
VSWR	3.0 Max.	3.0 Max.
Peak Gain	3.20dBi	5.18 dBi
Average Gain	-1.95 dBi	-1.58 dBi
Average Efficiency	63.89 %	69.47 %
Impedance	50 Ω	
Pattern Type/ Polarization	Omni – direction / Linear	

1.2 Antenna Characteristics

- **Coordinate XYZ**



- **Return Loss**

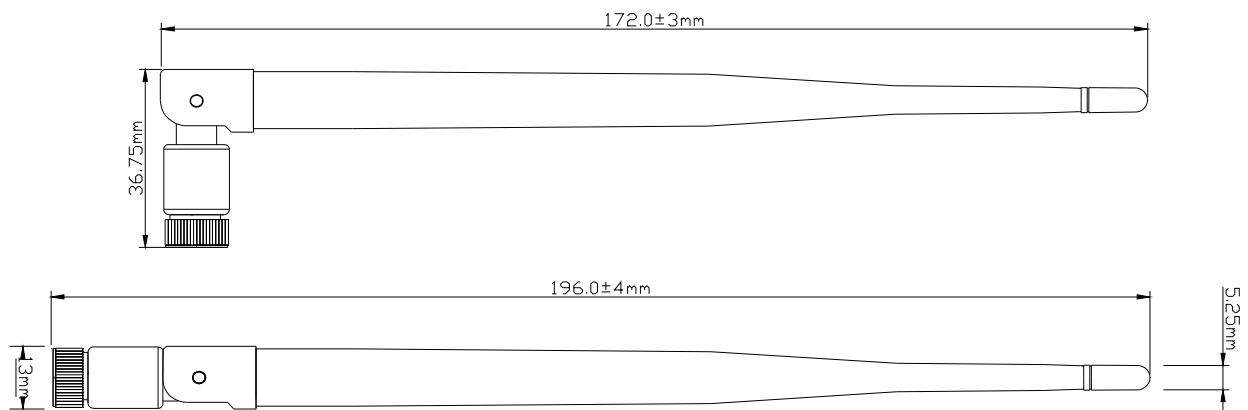


2. Mechanical Specifications

2.1 Mechanical Data

Item	Specification
Weight	18 grams max.
Size	13.0 x (196.0±4mm / 172.0±3mm)
Housing Color	Black
Material	PBT+PC
Operation Temp.	-20°~+65°
Connector	SMA-male –CE120 SMA-male R/P –CE121

2.2 Dimension

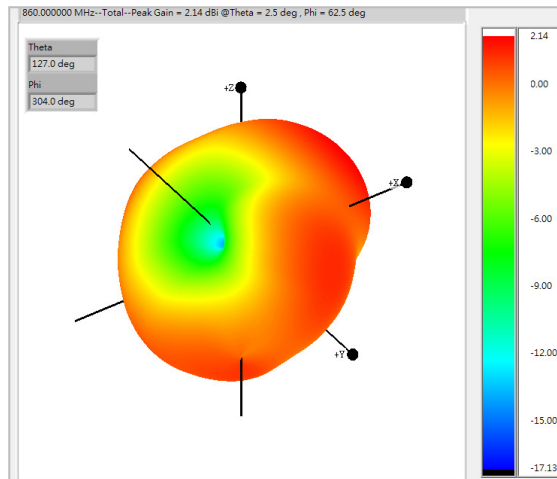


Picture CE120

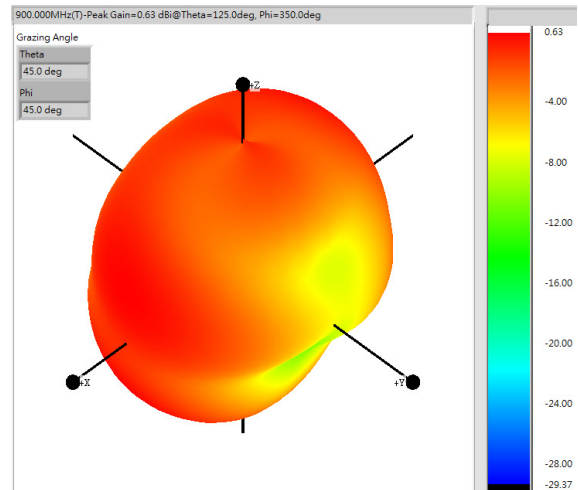


3. Appendix

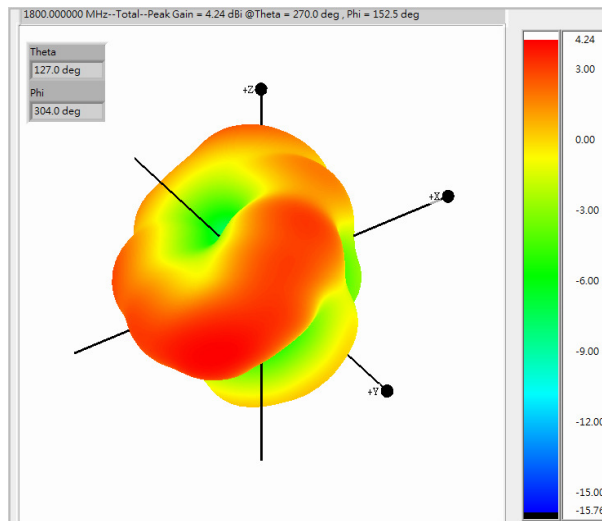
● 3D Gain Patten 860MHz – 2.14dBi



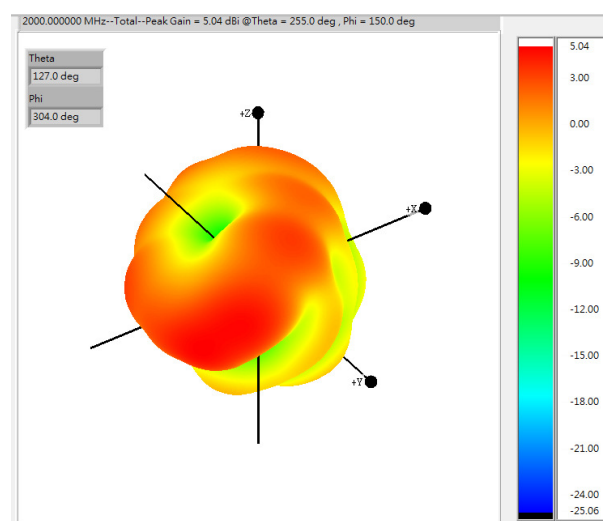
900MHz – 0.63dBi



1800MHz – 4.2dBi

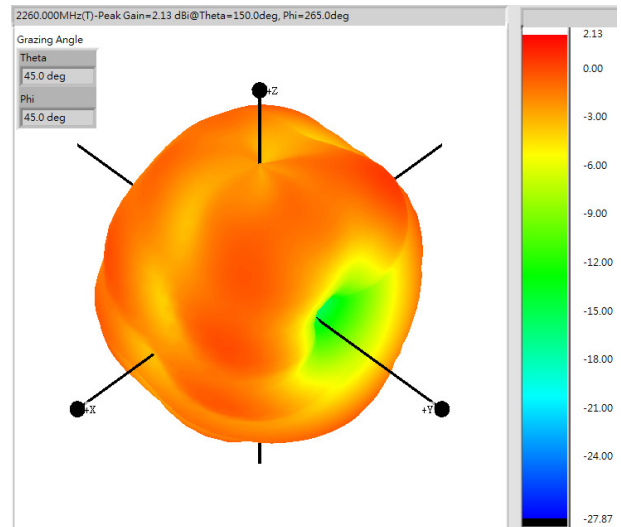
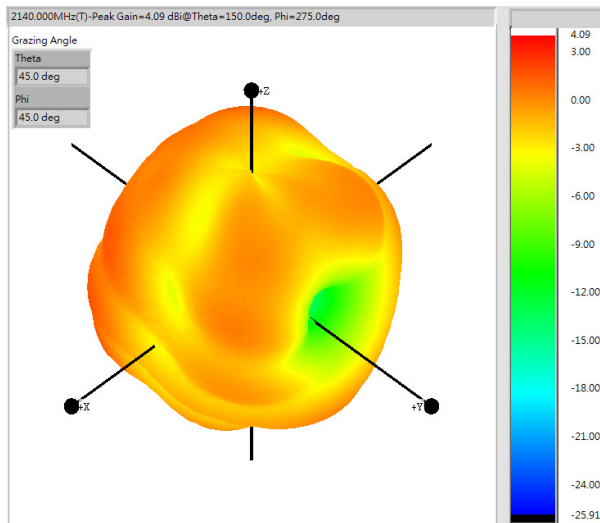


2000MHz – 5.04 dBi

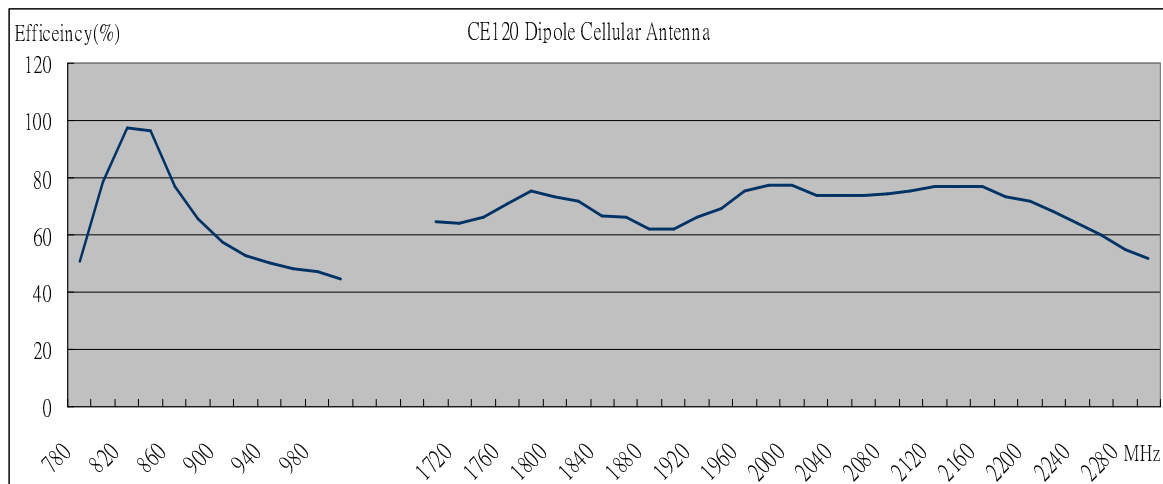


2140MHz – 4.09dBi

2260MHz – 2.13 dBi



● Antenna Efficiency



● Antenna Peak Gain (dBi)

