

ALLISCOM

CE150/CE160

Cellular Terminal Antenna

Data Sheet



Model No. CE150/CE160

Feature For 2G/3G
Straight / 90° SMA Connector
High Efficiency for GSM1800
Dipole terminal antenna
Omni direction

Description CE150/CE160 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 90° type SMA connector.

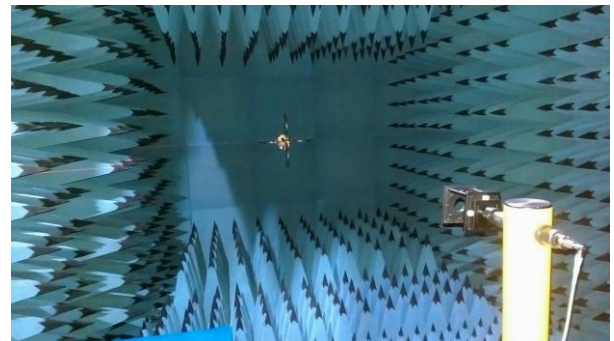
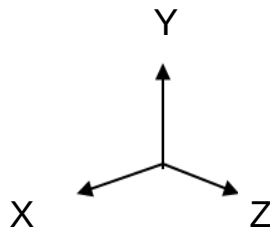
1. Electrical Specifications

1.1 Electrical Data

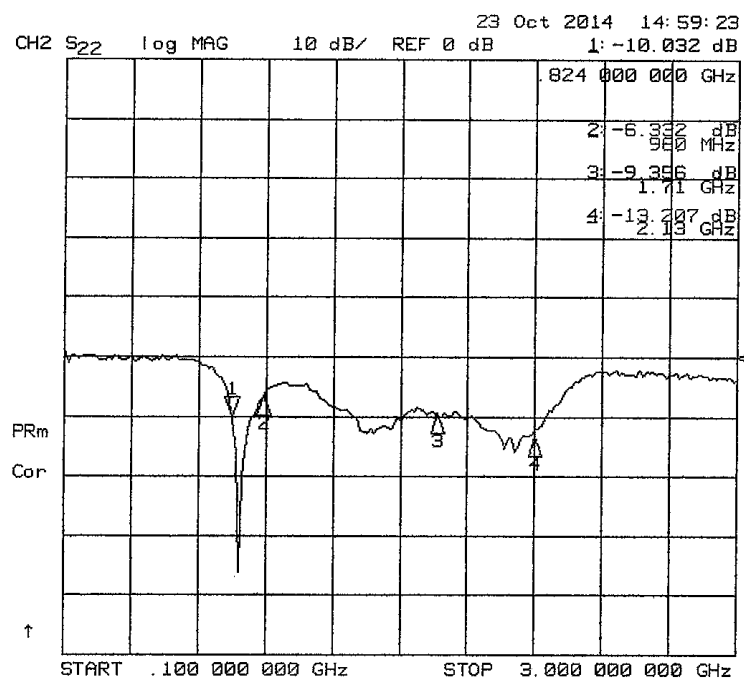
Frequency	824~960MHz	1710~2100MHz
Communication System	T-GSM810,GSM850,P-GSM900	DCS-1800,PCS-1900,WCDMA
VSWR	3.0 Max.	3.0 Max.
Peak Gain (Max.)	-3.20dBi	0.69 dBi
Average Gain	-7.31 dBi	-3.62 dBi
Average Efficiency	18.56 %	43.42 %
Impedance	50Ω	
Pattern Type/ Polarization	Omni – direction / Linear	

1.2 Antenna Characteristics

- **Coordinate XYZ**



- **Return Loss**



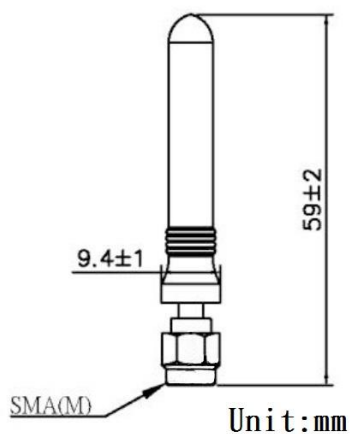
2. Mechanical Specifications

2.1 Mechanical Data

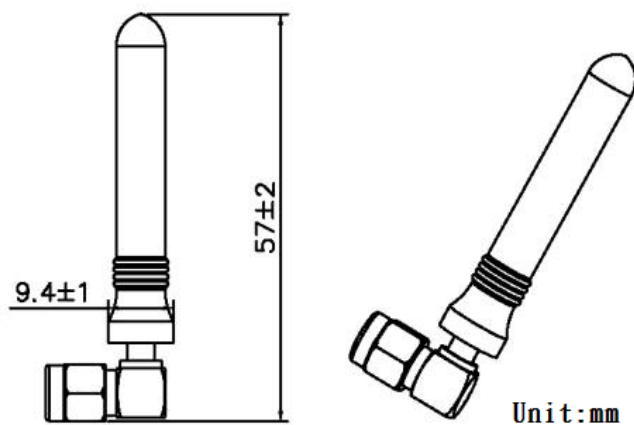
Item	Specification
Weight	10 grams max.
Size	CE150/CE151→59*9.4mm
	CE160/CE161→57*9.4mm
Type	CE150/CE151→Straight SMA
	CE160/CE161→90° SMA
Housing Color	Black
Material	PBT+PC
Operation Temp.	-40°~+60°
Connector	CE150/CE160→SMA-male CE151/CE161→SMA-male R/P

2.2 Dimension

CE150/CE151



CE160/CE161



CE150/CE151(Straight SMA)



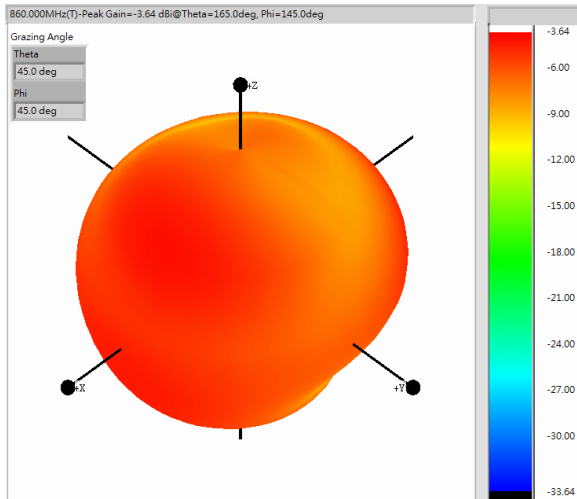
CE160/CE161(90° SMA)



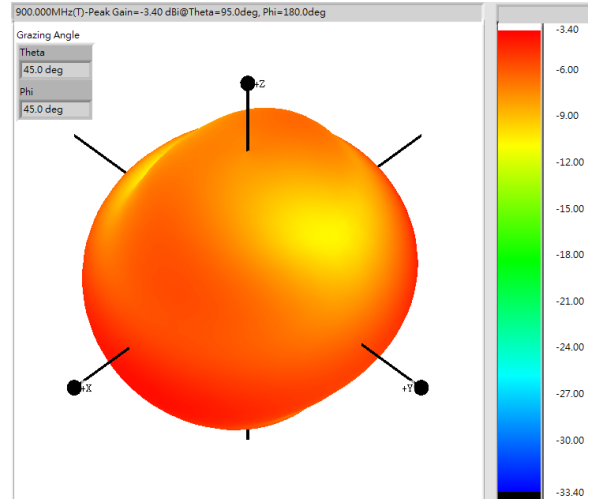
3. Appendix

- 3D Gain Patten

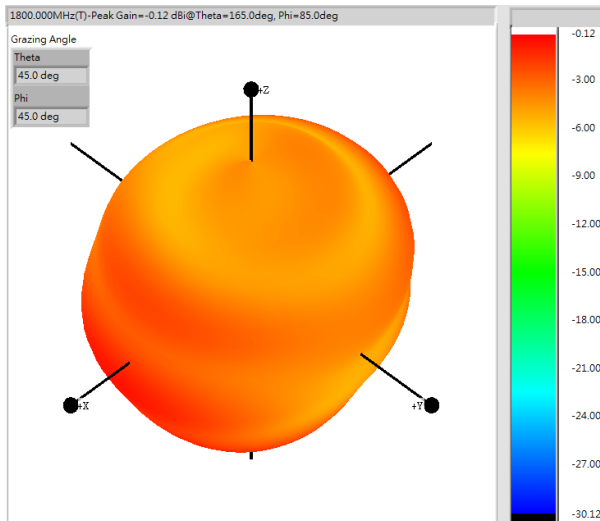
860MHz : -3.64 dBi



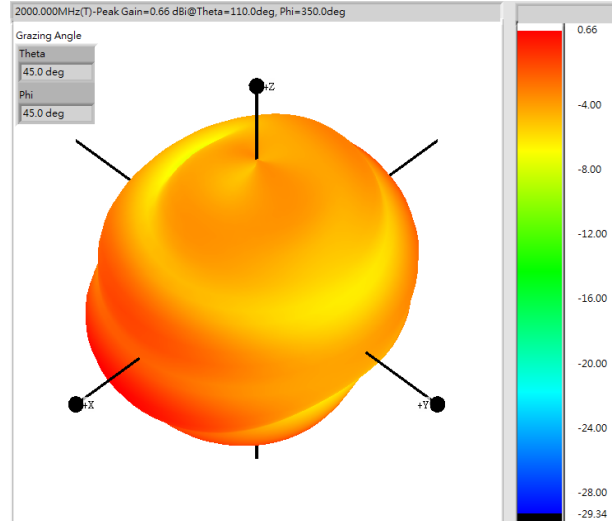
900MHz : -3.40dBi



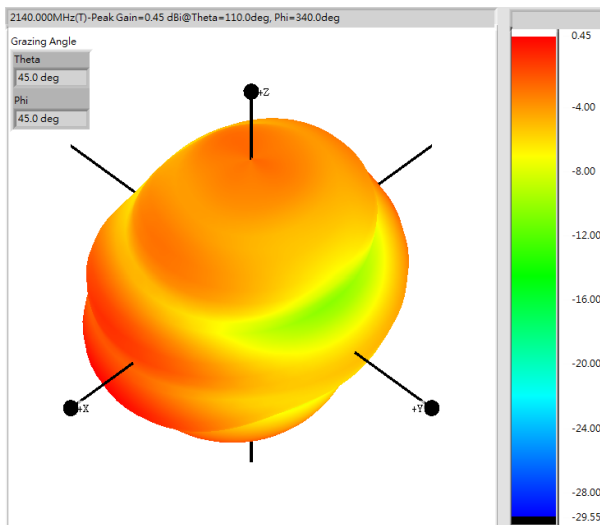
1800MHz : -0.12dBi



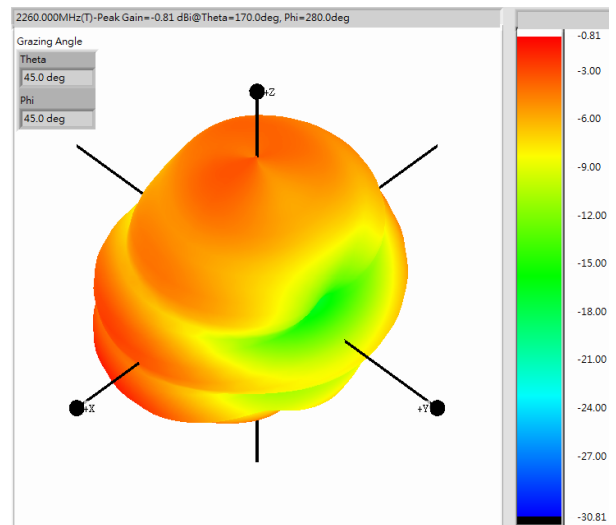
2000MHz :0.66 dBi



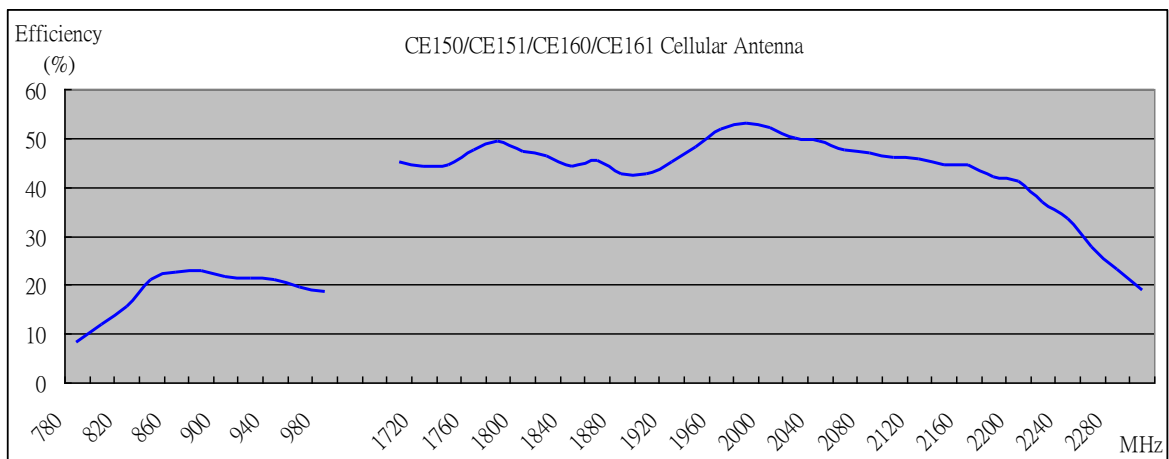
2140MHz : 0.45 dBi



2260MHz : -0.81 dBi



● Antenna Efficiency



● Antenna Peak Gain (dBi)

