

# COLU-100/4G

## FIXED COLLINEAR ANTENNA OMNIDIRECTIONAL UHF

Omnidirectional collinear antenna with 8 dBi gain for the UHF band.

Constructed of aluminum, this antenna is suitable for repeater stations.

It has a low radiation angle, ensuring excellent coverage on uneven terrain.

Due to its technical characteristics, this antenna is especially suitable for high-traffic radio communication systems.

Code	Model	Range
502192	COLU-100/4G	900 / 960 MHz

### ELECTRICAL SPECIFICATIONS

VSWR	≤ 1,5 : 1
Polarization	Vertical
Nominal impedance	50 Ω
Maximum power	150 Watts
Half-power angle	Horizontal 930 MHz 95°
Half-power angle	Vertical 930 MHz 10°

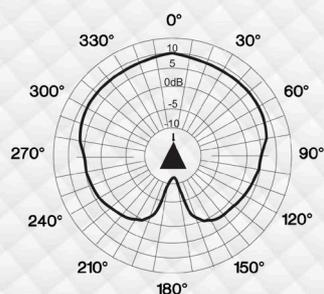
### MECHANICAL SPECIFICATIONS

Gondola diameter	22,5 mm
Gondola length	1165 mm
Weight	1,100 Kg
Area exposed to wind	0,4512 m <sup>2</sup>
Connector	N female
Basic material	Aluminum
Operational wind	≥ 110Km/h
Survival wind	≥ 200Km/h

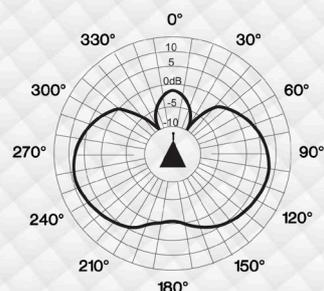
### GAIN

### SETTINGS

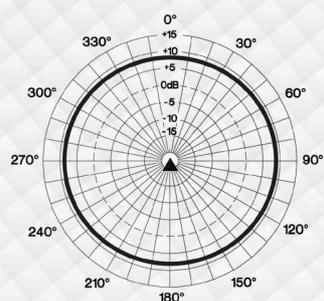
8,15 dBi	Dipoles in opposition to a tower
8 dBi	Dipoles at the top of the tower
8,15 dBi	Dipoles pointed towards the tower



Elements arranged for the tower



Elements positioned for tower



Antenna mounted on top of tower

