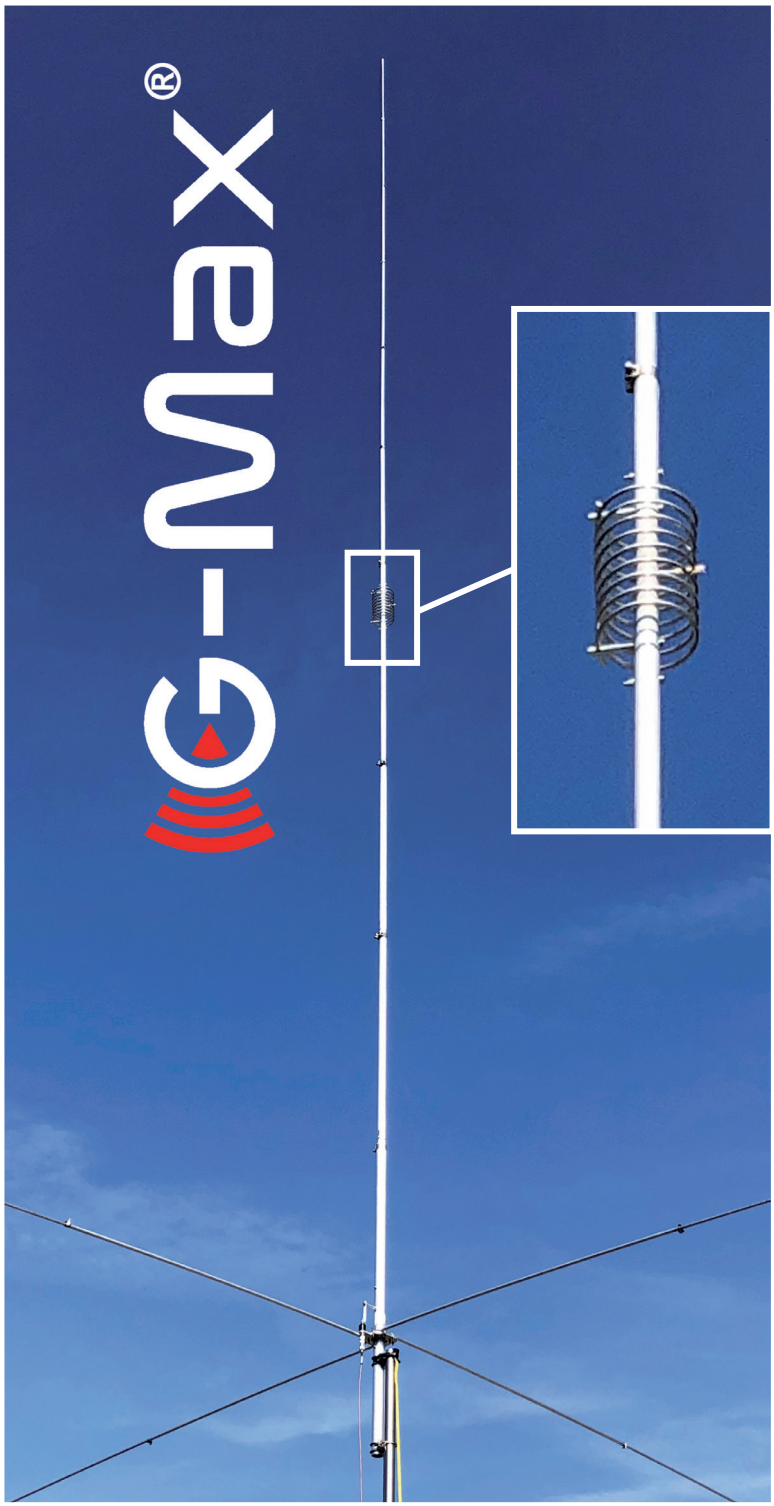

Grazioli®
antenne.com

"G-Max" is a High Gain Vertical Colinear Ground Plane, the whip is made in two distinct ones sections feeded in phase by means of special coil.

How G-Max works: The feed is direct at the lower part of the whip wich has a length of approx 1/4λ, then the RF signal via phasing correction coil it also feed the 5/8λ upper part. The result is that the whole whip approx 10.3m radiates in phase with a gain of almost 6dBi and a very low angle of radiation (typical of about 8°). Made on mechanics of the now tested FE10V this antenna has exceptional performance comparable to a 2 element Yagi. "G-Max" is by nature relatively narrow bandwidth, and can be tuned from 27 to 28.5 MHz for 10 or 11m band.(Guying is always recommended with NON conductive syntetic rope)

PRODUCT AVAILABLE STARTING FEBRUARY 2022

Further technical detail on:
www.grazioliantenne.com

MAIN FEATURES

- G-Max is the only antenna in the world for 10 or 11m band, in collinear configuration 5/8λ over a 1/4λ with high gain.
- Equipped with a resonant "Full-Quarter Wave"Ground Plane.
- The generously sized high "Q" phasing coil also has the function of cancelling the capacitive reactance of the upper 5/8λ section and guarantees high trasmission power, (5kW CW continuos All-Mode) A small inductor placed at the base has the function of grounding the whole structure in DC, thus reducing sensitive to atmospheric disturbance and background noise.
- The UHF connector has been designed to fuction up to 500 MHz has an impedance of 50 Ohms and is capable to withstand power up to 5kW f CW continuos at 30MHz. Built in nickel-plated brass, with golden pin that guarantees years of service without oxidation. The insulator is made with the best available insulating material the PTFE and it is protected by a special elastomer gasket that avoids water and humidity filtrations.
- Extremely robust construction in aluminum alloy AW6063-T66 and supplied with AISI 304 & 316 hardware for long service rust free.
- Equipped with a galvanized steel bracket for guying the whip.
- 100% produced in Italy with materials, workmanship and Italian engineering
- 3 Years WARRANTY, 2 years legal warranty +1 year of extension

SPECIFICATIONS

Electrical Data

Type:	GP Collinear 5/8λ over 1/4 in Phase
Frequency range:	Tunable from 27 to 28.5 MHz
Impedance:	50Ω Unbalanced
Radiation type:	Omnidirectional
Polarization:	Linear - Vertical
Gain:	3,5dBd – 5.65dBi
Bandwidth @ SWR 2:1:	≥1.3MHz @ 27MHz
SWR @ resonance:	≤1.2 @ antenna connector
Max. Input Power:	5000 Watts continuos all mode
Feed system:	Direct, with DC-Ground choke
Input connector:	50Ω UHF female, PTFE insulator, gold plated pin

Mechanical Data

Construction materials:	Aluminum Alloy AW6063-T66 hard drawn tube, Fiberglass, Brass, PTFE, all hardware are made of SS AISI-304 and 316
Wind surface area:	0,34m² / 3,6ft²
Wind load @ 130Km/h / 80Mph:	32,5Kgf / 71 lbs
Wind survival with guy rope:	130 Km/h / 80 MPH
Antenna height (total):	10,85m / 35,6 ft @ 27 MHz
Radials length:	full quarter wave 2,7m 8,86 ft
Antenna Net weight:	6,8 Kg / 15 lb
Mounting mast bracket:	ø 40-54 mm / ø 1,57" to 2-1/8"
Package dimensions:	14x14x145 cm / 5,5"x5,5"x57,1"