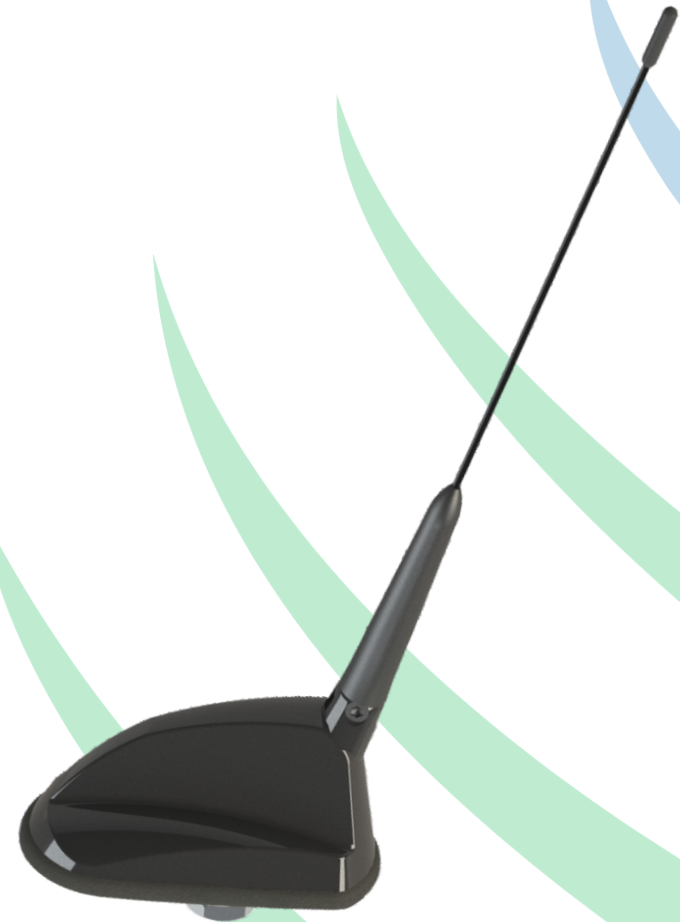


UHF INTEGRATED SHARK MOBILE ANTENNA 450-470MHZ - GPS

AP22513



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UHF INTEGRATED SHARK MOBILE ANTENNA 450-470MHZ - GPS

TECHNICAL DATA

A **AP22513** is a multi-function antenna operating in the UHF and GPS bands.

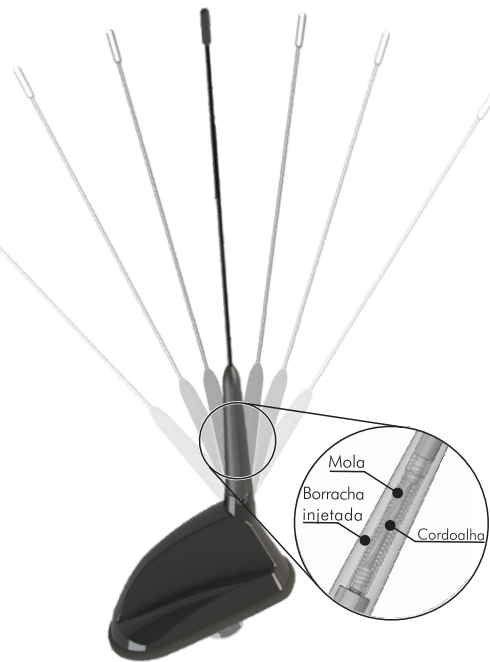
The shark style, with multiple functions in a single antenna, has a discreet design suited to public safety, industry and transport applications, offering sturdiness and efficiency. Its single-hole mounting makes installation easier and reduces vehicle damage, installation time, cost and visual impact, while protecting the vehicle's resale value. It has an efficient sealing system that keeps moisture from impairing its operation. Its flexible, articulated rod allows the antenna to be installed on the front or rear of vehicle roofs, adjusting the tilt angle for best performance relative to the roof ground plane.

INSTALLATION

PIERCING CLAWS

(Patented)

The exclusive piercing-claw system makes installation easier on vehicles with sheet metal up to 1,5mm that have thermal, acoustic or structural roof lining, with no need for scraping to obtain the grounding required for proper operation.



KEY FOR MOUNTING

15/16"

DRILLING OF THE ROOF

11/16"
18mm

PIERCING CLAWS

PAT : MU 9001207-0

IMPORTANT

During installation, remove burrs from drilling the roof to avoid damaging the cables. Then apply a coat of phosphating primer to the freshly drilled hole to prevent rust.

Cable and termination are assembled according to project requirements.

SPECIFICATIONS

UHF

FREQUENCY	450 - 470 MHz
MAXIMUM POWER	100 W
IMPEDANCE	50 Ω
VSWR	$\leq 1,5:1$
GAIN	5,15 dBi
HEIGHT	320 mm
WEIGHT	508 g
POLARIZATION	Vertical

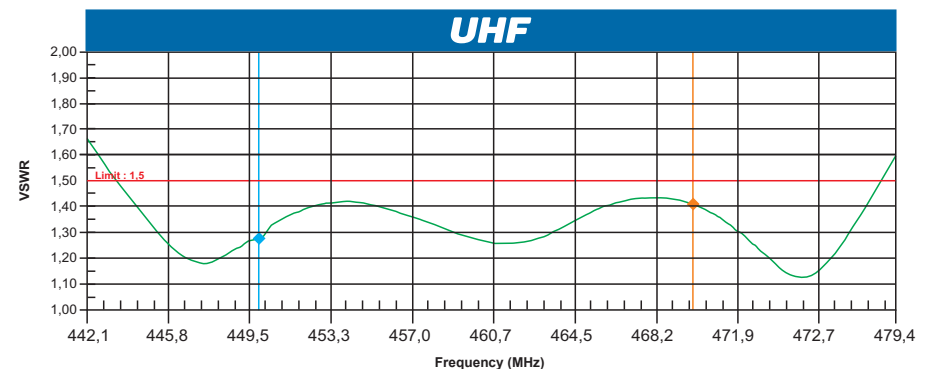
GPS

FREQUENCY	1575,42 ± 3 MHz
LNA GAIN	28 dB
IMPEDANCE	50 Ω
VSWR	$\leq 1,5:1$
VOLTAGE	2,2 - 5 V
CURRENT	5 - 15mA
POLARIZATION	Circular RHCP



EXAMPLE:

See below the VSWR chart of a AP22513 antenna tuned from 450 to 470 MHz.



¹Steelbras Antenas reserves the right to make technical changes to the data in its datasheets without prior notice.
²This antenna does not require ANATEL Certification and Approval, under Act No. 7280, of 26 September 2020.