

ANT2

GPS L1 GLONASS L1 GALILEO E1 TIMING ANTENNA

The ANT2 timing reference antennas are specifically designed for long-lasting, trouble-free deployments in congested cell-site applications. The low noise, high gain amplifier is well suited to address attenuation issues associated with applications requiring longer cable runs.

The proprietary quadrifilar helix design, coupled with multistage filtering provides superior out-of-band rejection and lower elevation pattern performance than traditional patch antennas. This multiband antenna covers GPS L1, GALILEO L1 as well as GLONASS E1 frequencies.

Their unique radome shape sheds water and ice, while eliminating problems associated with bird perching.

We offer an array of compatible mounting configurations. Custom models or site kits options are also available.

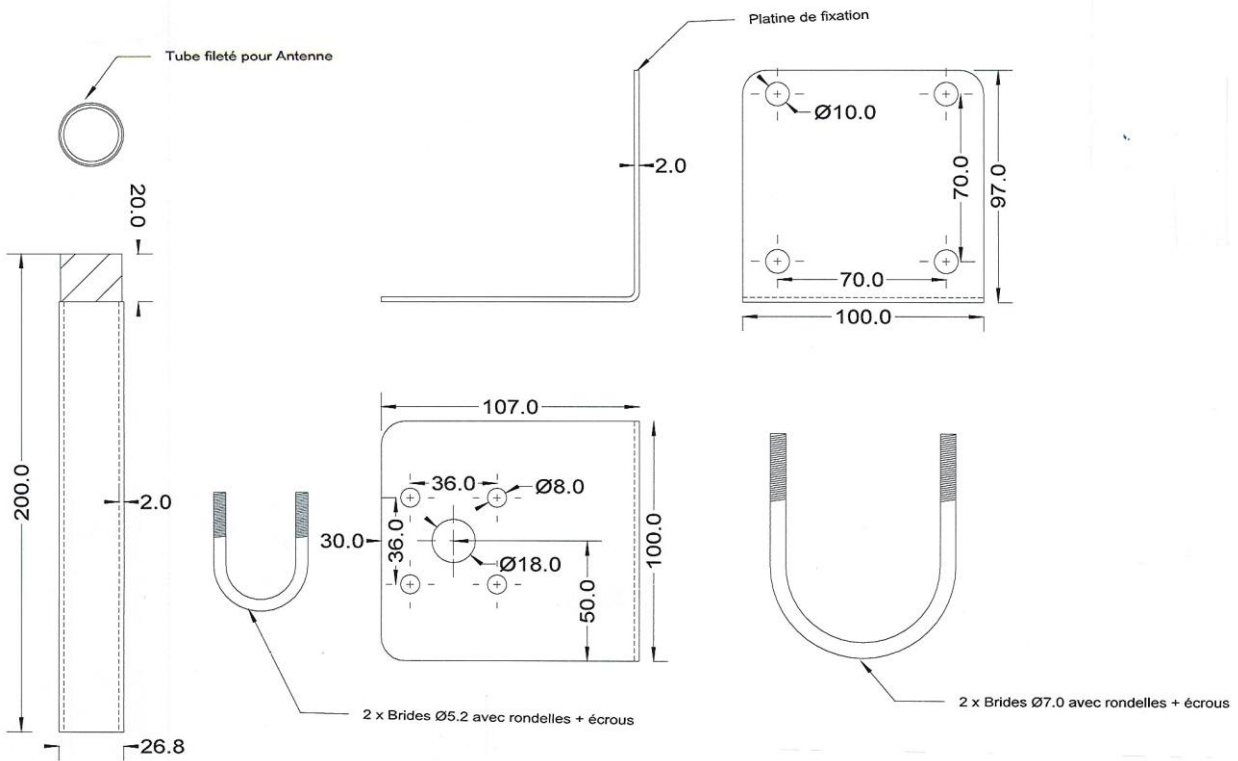
This antenna is made of materials that fully comply with provisions stipulated by EU directives RoHS 2002/95/EC.

The antenna also features ESD, reverse polarity protection and transit voltage suppression.

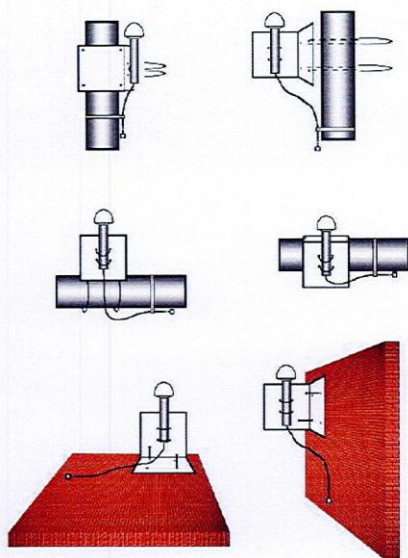


Antenna element electrical specifications					
Frequency band	Antenna gain	Nominal impedance	VSWR	Polarization	
1575.42 +/-10 MHz 1602-1615 MHz	≥ 3.5 dBic ≥ 3 dBic	50 ohms	<1.5:1	Right hand circular	
Mechanical specifications					
Dimensions	Antenna weight	Radome color	Connector	Mounting	
5.0" Hx3.2" D (126x81 mm)	0.3 kg	white	N female	All mounting options fit pipes of 1"-1.45" (25 mm-37 mm) maximum diameter	
Environmental					
Temperature range	Humidity				
-40° C to + 85°C	95%				
Low noise amplifier specifications					
Frequency Band:	Amplifier Gain:	Nominal Impedance:	Output VSWR:	Maximum Noise Figure:	DC Voltage:
1590 +/-30 MHz	26.5 dB +/- 3 dB @ GPS L1 & GALILEO E1 24.5 dB +/- 3 dB @ GLONASS L1	50 ohms	<2.0:1	< 2.5 dB @ +25°C including pre-selector	3.3-9.0 V (operating) ≤28.0 V (survivability)
DC Current:	Filtering:	Out of Band Rejection:			
< 35 mA	3 stage filtering including pre-selector	≥ -45 dB @ f ≤ 1530 MHz ≥ -45 dB @ f ≥ 1660 MHz			

Antenna and mount kit installation instructions



GPS antenna installation using the mechanical Kit



Where to install the GPS antenna

