

# UCA-GP-2

## Vandal Proof GPS Antenna

**Data Sheet**

Doc: 40448 v1.02





**INTRODUCTION**

Vandal proof GPS/3G/4G antenna with cable for installation on all plane surfaces – like road side kiosk/panels, automatic machines and rail roads.

Waterproof and flat design (approx., 15mm high).

No additional rod antennas necessary.

**ORDERING CODE**

Type: UCA-GP-2

Description: Vandal Proof antenna /w 2m cable

UCC-611/5: Ordering code for 5m extension cable

UCC-611/10: Ordering code for 10m extension cable

**TECHNICAL DATA**

Frequency range: 698~960MHz /1710~2170MHz /2500~2690MHz

GPS Frequency: 1575.42 ± 2.5MHz  
 VSWR: ≤2.0

Impedance: 50 Ohm

Gain (typical): 4G:3dBi; GPS:28±3dB

Max. power: 50 watts.

Dimensions: 143mm x 32mm (d x h).

Water Proof Level: IP67

Mounting Method: Screw

Weight: 500 grams

Housing: Black plastic

Cable: RG174—GPS; RG58U—4G

Connector: SMA straight male X2

Ambient temperature:

Storage: -40 - +90°C

Operation: -20 - +75°C

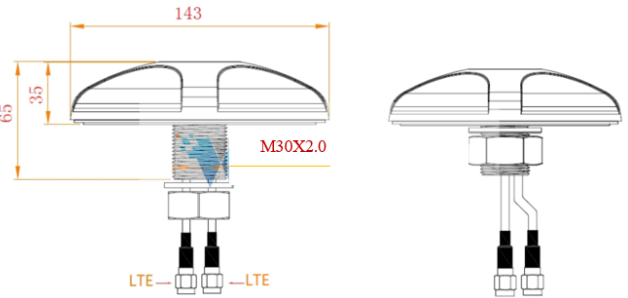


Figure 1

**VSWR**



Figure 2

**GPS**

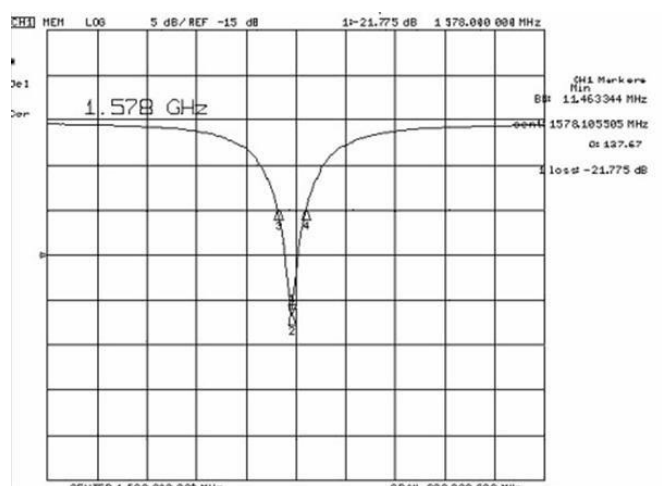


Figure 3

**INSTALLATION**

Mounting in hole for M12. Max. plate thickness allowed is 5mm.



Due to inner substance, it is possible to mount the antenna on metallic and non-metallic surfaces.  
Generally, installation is possible on all plane surfaces.

When used for GPS/3G/4G data it is essential for good field strength that you mount the antenna placed high and with free space around the antenna.

**To guarantee the tightness in mounted condition pay attention to the following:**

1. Choose only plain surfaces for installation.
2. Clean mounting surface from any form of dirt
3. Tighten the nut a bit more than sturdy.
4. Avoid direct irradiation with steam jet or high pressure cleaner.