

All-in-one weather stations with over 20 environmental measurements, cloud-based data processing, communications, and a solar power system.

We investigate the use of wind-turbine-mounted base stations (WTBSs) as a cost-effective solution for regions with high wind energy potential, since it could replace or even ...

The results characterize wind load performance for a variety of antenna profiles across a wide range of wind directions, from zero to 180 degrees. This paper details the methodology, results and analysis ...

Among wind load measurement tests, the wind tunnel test simulates the environment most similar to the actual natural environment of the product and therefore is the most accurate test method.

This paper presents an integrated approach for a cloud-computing Internet of Things-based Automated Weather Station, with edge devices, designed to provide real-time wind ...

This white paper discusses how wind load, an important mechanical characteristic for base station antennas, is determined. It describes the three main methods used: numerical simulation, wind ...

By taking the time to refine measurement techniques to ensure the most accurate possible test results, we are now able to look at pushing the wind loading efficiency of base station antennas.

We investigate the use of wind turbine-mounted base stations (WTBSs) as a cost-effective solution for regions with high wind energy potential, since it could replace or even outperform ...

Using a thorough understanding of the physics and aerodynamics behind wind load, we optimize the antenna design to minimize wind load. This involves using numerical methods such as computational ...

To investigate the intrinsic properties of the mobile telecommunication infrastructure in relation to a conventional wind monitoring station and to find out how wind data logged using the existing mobile ...

Web: <https://anaelenaartistapmu.es>