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Wind power sound insulation requirements for communication base stations

Overview

Can wind energy be used to power mobile phone base stations?

Worldwide thousands of base stations provide relaying mobile phone signals. Every off-grid base station has a diesel generator up to 4 kW to provide electricity for the electronic equipment involved. The presentation will give attention to the requirements on using windenergy as an energy source for powering mobile phone base stations.

What is the P-Batta standard for antenna wind tunnel test?

applicationsP-BASTAStandardandAntennaWind Tunnel TestBefore 2018, the P-BASTA V9.6 standard allows antenna manufacturers to use the preced ng three methods to calculate and claim antenna wind load. However, different antenna manufacturers may adopt different methods, and the obtained.

What is wind load based on?

wind load as a function of the length-to-width ratio of the antenna. For wind loads based on win on on Base Station Antenna Standards by NGMN AllianceABOUT KATHREINKathrein is a leading internation l specialist for reliable, high- quality communication technologies.We ar.

Which standard is used for a wind tunnel test?

ng to standards and wind tunnel testing is used for the ata sheets. The complete proc du described in detail in SectionDetermining the wind load, p. 3. Kathrein uses the EN 1991-1-4 standard in combination with the results from the wind tun.

How to choose a wind tunnel antenna?

tilt of 0°. The diameter of the pole is 60 mm to 100 mm.The distance between the bottom of the antenna and the ground of the wind tunnel must be greater than the maximum value between the antenna width and thickness. If both the width and thickness of the antenna are less than 300 mm, the distance

between.

What is the maximum distance between antenna and wind tunnel test?

the maximum value between the antenna width and thickness. If both the width and thickness of the antenna are less than 300 mm, the distance between wind tunnel testmust be greate than or equal to 300 mm.The test wind speed is 15 km/h. If resonance occurs, the wind speed can be reduced. The wind load corresponding to the wind speed of

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