

The impact of abnormal wind power on communication base stations

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The telecommunication services included in this are those that have demonstrated to be more sensitive to nearby wind turbines: weather, air traffic control and marine radars, radio navigation systems, ...

This paper presents a compendious review for the evaluation and description of the mathematical modelling of the affected components in wind turbines which cause the scattering of communication ...

In this section, we use the model to predict how wind farm interference impacts PTC communications at different distances between wind farm and the railroad track.

Therefore, this review succinctly compiles the basic steps of theoretical analysis and simulations of the impact of wind turbines on communication signals, and the remedies to minimize ...

The present disclosure relates generally to antenna radomes, and more particularly to solutions to minimize wind-loading effects.

Wind energy systems often operate without interrupting telecommunications services, however in some cases the placement of a turbine could lead to the disruption of communications signals.

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Due to the potential for interference to television signals in some areas surrounding the wind farm, it is proposed that Renewable Power Ventures investigate and rectify any interference to television ...

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