Case Study of Vibration Measurement for Communication Towers

lowing this vein, different researchers have made ambient vibration measurements on transmission towers. Whether the tests were about finding a parameter that would indicate when structural ...

An optical digital communication experiment between space and ground is planned in a high-rise tower on the ground, and they asked us to measure the vibration of the tower.

In this paper, videos taken with smartphone cameras are processed to extract guy cable and antenna vibration information for telecom structures and, as a result, providing an efficient cost ...

The vibration characteristics of transmission towers under impulse excitation are experimentally measured. In this paper, the conductor spanning 105m at Xi"an Polytechnic University are measured ...

Research on vibration analysis of telecommunication towers under loading. Structural characteristics, strain-life parameters, and more.

Because of its high flexibility, lateral loads control the deformation of a monopole communication tower. Dynamic displacement can be used to describe structural vibration ...

This study proposes a novel track-type tuned mass damper (T-TMD) to control STCT vibrations, integrating sliding tracks for precise mass-ring control and inclined springs to broaden ...

The purpose of this paper is to identify proper video processing procedures to extract vibration information from videos obtained in the field with ...

The purpose of this paper is to identify proper video processing procedures to extract vibration information from videos obtained in the field with smartphone cameras, and provide fast, ...

vibrational effect of telecommunication tower under loading. An integrated analytical and numerical methodology was used to evaluate th. structural characteristic at different loading nodal points. Six ...

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