

## **THz transmission for fixed wireless services under severe weather conditions**

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### **Abstract**

Terahertz band systems are expected to be a means of achieving short-range, high-speed communications. However, there are concerns about the effects of rain attenuation and wind-induced vibration, and ensuring performance in adverse weather conditions is an issue. In this presentation, a link budget model of terahertz band fixed wireless systems under storm conditions will be presented and the feasibility of a highly stable system will be discussed.