

Oct 30, 2023 NTN nodes have the potential to support both wireless access and backhauling. While the onboard base station provides wireless access for the end users, the backhauling ?

Jan 12, 2021 The rest of the paper is organised as follows. Section 2 describes ground-train communications which include G2T communications using sectorised BSs and train-to-ground ?

Oct 30, 2023 NTN nodes have the potential to support both wireless access and backhauling. While the onboard base station provides wireless ?

Nov 13, 2025 The first model uses two different wavelengths in adjacent covered areas and the second one uses a single wavelength. We find the optimal distance from the train track to a ?

6 days ago A China Mobile employee checks a 5G base station in Xiangyang, Hubei province. [Photo by Yang Tao/For China Daily] Plan is to establish high-speed, smart, green, safe and ?

Oct 2, 2017 Request PDF Optimal Positioning of Ground Base Stations in Free-Space Optical Communications for High-Speed Trains In this paper, we propose two different free-space ?

Apr 14, 2018 Optimal Positioning of Ground Base Stations in Free-Space Optical Communications for High-Speed Trains Sina Fathi Kazerooni, Yagiz Kaymak, Student ?

2 days ago Our base station and optical transport connectivity solutions address the demands of the always-on edge of expanding wireless ?

Apr 28, 2021 2.5 Gbps free-space optical transmission between two 5G airship floating base stations at a distance of 12 km Xiaonan Yu, Lei Zhang, Yiqun Zhang, Yansong Song, ?

Dec 26, 2024 This research aims to create trustworthy, fast communication technologies for 5G and beyond. The design investigates the possibilities of Free-Space Optical (FSO) ?

Feb 16, 2023 Optical communication modulation technology and networking technology are two important technologies for constructing free-space ?

Abstract In this paper, we propose two different free-space-optics (FSO) coverage models for next-generation high-speed-train communications. To the best of our knowledge, these are the ?

---

Mar 16, 2022 Large-capacity communication systems are used for the base stations where the traffic concentrates and higher-speed optical devices are applied to each layer. For midhaul, ?

Apr 28, 2021 2.5 Gbps free-space optical transmission between two 5G airship floating base stations at a distance of 12 km Xiaonan Yu, Lei ?

Section 3 presents the system analysis of the optical link budget for indoor optical wireless communications between an optical base station and ?

Feb 25, 2025 The system architecture employs UAVs as relay nodes between base stations and network gateways. Figure 1 illustrates this concept, depicting how FSO links are integrated ?

Web: <https://luisliwanag.asia>