



Does ultra-short wave communication require a base station

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Ultra Wide-band is a protocol of wireless communication that makes use of electromagnetic emission at high frequencies. The technology is based ...

While technologies like Wi-Fi and Bluetooth connect us to data, Ultra-Wideband (UWB) connects us to physical space. Unlike "narrowband" technologies that transmit data on a specific frequency (like a ...

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In an age dominated by the internet and digital media, the allure of short-wave radio remains significant. This article covers the fascinating practice ...

Abstract: Ultra-short wave network communication is an important means of sea and air cooperation. In this paper, the mathematic model of ultrashort wave communication coverage is established by ...

Although some long range communications are now transmitted via satellite, HF still has the advantage of not requiring (or relying on) any infrastructure. The VHF band was an early choice for...

OverviewCharacteristicsApplicationsRegulationTechnology groupsSee alsoExternal linksUltra-wideband is a technology for transmitting information across a wide bandwidth (>500 MHz). This allows for the transmission of a large amount of signal energy without interfering with conventional narrowband and carrier



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wave transmission in the same frequency band. Regulatory limits in many countries allow for this efficient use of radio bandwidth, and enable high-data-rate personal area network (PAN) wireless connectivity, longer-range low-data-rate applications, and the transparent co-existenc...

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