



WALMER ENERGY

# Three-dimensional communication LTE portable base station





## Overview

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### What is a 4G & 5G LTE base station?

Covering all common 4G and 5G LTE bands, the base stations feature software-defined radio, allowing great flexibility of operation and future upgrade paths. The CableFree Advanced 4G and 5G LTE SDR (software-defined radio) Small Cell Base Station – Outdoor Version – is suitable for a wide variety of applications.

### What is LTE BS?

Our LTE BS solutions uses latest LTE technology with transmit powers up to 4x 40W for high capacity, long range networking, and uses Software Defined Radio technology with easy upgrade to new features and high capacities. CableFree offers EPC and other related infrastructure for complete LTE network solutions. New Product Release!.

### What is a 4G & 5G LTE SDR base station?

The CableFree Advanced 4G and 5G LTE SDR (software-defined radio) Small Cell Base Station – Outdoor Version – is suitable for a wide variety of applications. Covering all common 4G and 5G LTE bands, the base stations feature software-defined radio, allowing great flexibility of operation and future upgrade paths.

### What is CableFree 4G 5G LTE base station?

The CableFree 4G/5G LTE Base Station includes Remote Radio Head (RRH) which typically feature 2x2 or 4x4 MIMO, which are co-located on the tower with the Sector Antennas. CableFree LTE supports the very latest in LTE 4G & 5G specifications, including: Standard S1AP and GTP-U interfaces to Core Network.



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Three-dimensional Positioning in 3GPP Wireless ...

Oct 28, 2020 · OTDOA [4] is a downlink positioning method in LTE based on the time difference of signals arriving at the UE from multiple base stations . The received signal  $y_{i[k]}$  from the  $i$ -th ...

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An Optimized LTE-Based Technique for Drone Base Station ...

Aug 31, 2022 · Drones are expected to facilitate extending wireless networks' access for both human users and smart machine-type-communication devices (MTCDs) with strict and diverse ...

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Three-dimensional positioning for LTE systems

Oct 23, 2025 · Although the conventional OTDOA method can be used in 3-D positioning, it requires more base stations (BSS) in cooperation and often performs poorly in typical cellular ...

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Three-Dimensional Positioning for LTE Systems

A novel approach employing standard LTE signaling in order to provide high accuracy positioning estimation, designed in analogy to the human sound localization system, eliminating the need ...

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CableFree Outdoor 4G & 5G LTE SDR Small ...

Advanced 4G and 5G LTE SDR (software-defined radio) Small Cell Base Station - Outdoor Version - is suitable for a wide variety of applications. ...

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Three-Dimensional Positioning for LTE Systems

Jul 21, 2016 · In the Third-Generation Partnership Project (3GPP) Long-Term Evolution (LTE) specifications, several 2-D positioning methods have been proposed to support location-based ...

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Military Communication

2 days ago · The standalone 4G LTE Manpack Base Station provides a quick and smart network for voice, data, video, and Position Location for Information Services (PLI) for mounted and ...

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Three-dimensional wireless positioning method based ...

Sep 22, 2019 · Abstract: Aiming at the problem that the indoor three-dimensional positioning algorithm is complex and the accuracy is not high, this paper proposes a three-dimensional ...

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3D Positioning for LTE Systems , Request PDF

Jan 1, 2016 · The proposed technique is designed in analogy to the human sound localization system, eliminating the need of having information from three spatially diverse Base Stations ...

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CableFree Outdoor 4G & 5G LTE SDR Small Cell Base Station

Advanced 4G and 5G LTE SDR (software-defined radio) Small Cell Base Station - Outdoor



Version - is suitable for a wide variety of applications. Covering all common 4G and 5G LTE ...

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#### 4G & 5G LTE Base Station

CableFree Emerald 4G & 5G LTE Software Defined Base Stations with advanced features and "stand alone" capability for private networks. Our LTE BS solutions uses latest LTE technology ...

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## Contact Us

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