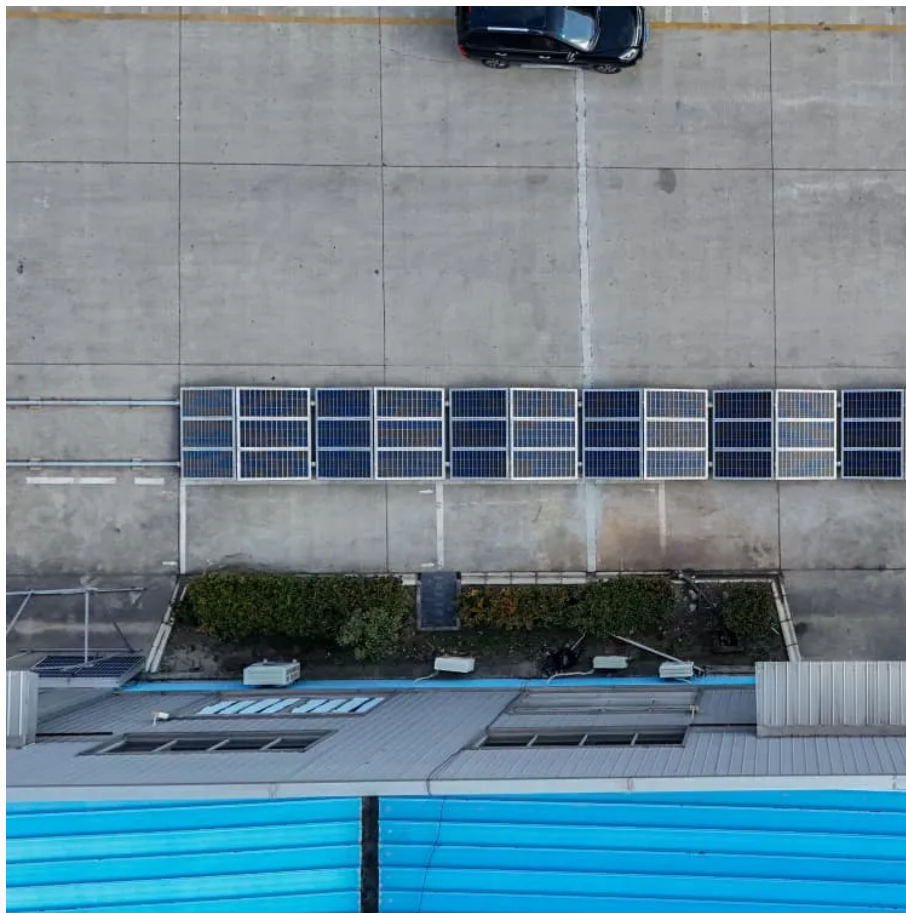


FDMA container system base station design method





Overview

What is frequency division multiple access (FDMA)?

H.Revenue to operator is maximized. Frequency Division Multiple Access, or FDMA, is a channel access method used in multiple-access protocols as a channelization protocol. FDMA gives users an individual allocation of one or several frequency bands. It is particularly common-place in satellite communication.

What is FDMA & TDMA?

Use a unique frequency: FDMA (Frequency Division Multiple Access). Use a unique time slot: TDMA (Time Division Multiple Access). Use a unique code: CDMA (Code Division Multiple Access). 6. If the resource (frequency, time, code) is allocated in advance, it is called pre-assigned or fixed-assignment multiple access (FAMA).

How does FDMA work?

Users are assigned a channel as a pair of frequencies (Uplink/forward & Downlink/reverse channels), who all transmit simultaneously. In FDMA, all users can transmit their signals simultaneously, which are separated from one another by their frequency of operation. A single frequency is assigned to only one User at a time.

What is the difference between FDMA and CDMA?

CDMA utilizes a unique code assigned to each user. Random access takes various forms, two common ones being Aloha and carrier-sense multiple access (CSMA). When using FDMA, TDMA, or CDMA, the communication resources may be utilized in a fixed assigned multiple access (FAMA) mode or in a demand-assigned multiple access (DAMA) mode.



FDMA container system base station design method

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Frequency Division Multiple Access

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...

Mobile Communications

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...

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