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Title: Base station communication carrier frequency

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Cell, sector, carrier, and carrier frequency are all concepts related to mobile communication base stations. Let's start with the base station. The base station is an ...

A base station is a fixed point that enables wireless communication between mobile devices and the network. These stations consist of radio transceivers, antennas, and a controller which ...

The carrier frequency is the base frequency of the unmodulated carrier wave. It's set way higher than the message signal's frequency to make transmission practical and fit the ...

The term carrier wave originated with radio. In a radio communication system, such as radio or television broadcasting, information is transmitted across space by radio waves. At the sending end, the information, in the form of a modulation signal, is applied to an electronic device called a transmitter. In the transmitter, an electronic oscillator generates a sinusoidal alternating current of radio frequency; this is the carrier wave. The information signal is used to modulate the carrier w...

Frequency error measures the difference between the actual base station transmit frequency and the assigned frequency. The purpose of this test is to verify that frequency error is within the ...

Each base station has a number of radio channels, or frequencies, to communicate with mobile phones. Because this number of frequencies is limited, frequencies are often reused in ...

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The frequency of a radio or television station is considered to be the carrier frequency. However the carrier

itself is not useful in transmitting the information, so the energy in the carrier ...

Frequency Allocation: The base stations are responsible for assigning frequencies to various users within an area of which they have control. This prevents conflicts between ...

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GSM uses carrier frequencies with a bandwidth of 200 kHz over which up to eight subscribers can communicate with the base station simultaneously. Subscribers are time multiplexed by ...

Each carrier occupies a certain frequency range. Carrier frequency refers to the carrier's center frequency. The term can denote ...

Each carrier occupies a certain frequency range. Carrier frequency refers to the carrier's center frequency. The term can denote either the numeric frequency value or relevant ...

Baseband signals are information signals at their original frequencies, typically low frequencies. Wireless communication systems typically will upshift the frequency spectrum of baseband ...

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