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Title: External power level of communication base station

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If an adjacent base-station transmission (UTRA or LTE) is detected under certain conditions, the maximum allowed Home base-station output power is reduced in proportion to how weak the ...

In order to effectively improve the energy efficiency of the future mobile networks, it is thus important to focus the attention on the Base Station.

The phrase "communication batteries" is often applied broadly, sometimes including handheld radios, emergency devices, or general-purpose backup batteries. In practice, when ...

Mobile and portable stations transmitting in the 2305-2315 MHz band or in the 2350-2360 MHz band must employ automatic transmit power control when operating so the stations operate with the ...

Output power, P_{out} , of the base station is the mean power of one carrier delivered to a load with resistance equal to the nominal load impedance of the transmitter.

In this paper we collaborate with Ooredoo mobile company in Kuwait to see the effect of cell radius on the power can the base station to supply the user by using the path loss and the transmitter power ...

Therefore, this paper investigates changes in the instantaneous power consumption of GSM (Global System for Mobile Communications) and UMTS (Universal Mobile Telecommunications System) ...

Over large distances, the signals must be relayed by a communication network comprising base stations and often supported by a wired network. The power of a base station varies (typically between 10 ...

In this paper the power consumption of base stations for mobile WiMAX, fixed WiMAX and UMTS is modelled. This power consumption is evaluated in relation to the coverage.

External power level of communication base station

Output power measurements for radio base stations and mobile station in WCDMA-based 3G network is analyzed. Source signal leads some noticeable differences at power levels for different data types, a ...

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