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Performance Analysis of Wimax

By Er. Gurkamal Singh

LAP Lambert Academic Publishing. Paperback. Condition: New. 92 pages. Dimensions: 8.7in. x 5.9in. x 0.2in. The usage of Internet has been increasing day by day. Wi-Fi provides wireless access to the internet but range is limited to certain meters only. So concept of WiMAX is introduced to increase the range. OFDM (Orthogonal Frequency Division Multiplexing) based IEEE 802.16 WiMAX has been widely acknowledged as the next generation wireless standard for providing wideband communications in rural areas. There are two main types of WiMAX services: mobile and fixed. Mobile WiMAX enables users access Internet while traveling whereas fixed WiMAX stations provide wireless Internet access to clients within a fixed radius. Moreover, WiMAX is capable of delivering high speed wireless services up to a range of approximately 50km which is far longer than that of DSL, cable modem, etc. which has a span of approximately 5.5km. Multicarrier systems such as WiMAX offer good functionality under heavy interference. Short interfering signals are countered using long symbol times, which are made possible by spreading data onto several subcarriers. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.

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