Abstract
WiMAX technology enables ubiquitous delivery of wireless broadband service for fixed and mobile users, the scalable architecture, high data throughput and low cost deployment make Mobile WiMAX a leading solution for wireless broadband services. The Mobile WiMAX Air Interface adopts Orthogonal Frequency Division Multiple Access (OFDMA) for improved multi-path performance in non-line-of-sight environments In this paper we are evaluating the performance of mobile WiMAX 802.16e physical layer for different data types like, Image, Speech, Text, Random data using different modulation schemes like BPSK, QPSK, 16-QAM, 64-QAM with varying data rates and SNR.

References

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Index Terms

Computer Science
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Keywords
Mobile Wimax  Rs Encoder  Interleaver  Ofdm  Bpsk  Qpsk  awgn Channel  64-qam
datarate
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randomizer