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1. Orthogonal Frequency Division Multiplexing (OFDM) technology is used in
2. A key feature of the wireless channel is
3. The popular waveform employed in 3G wireless standards is
4. The probability density function of the Gaussian random variable X with zero-mean and variance $\sigma^2 = \frac{1}{2}$ is given as
5. The linear combination of jointly Gaussian random variables yields
6. MIMO technology for wireless employs
7. The peak downlink (DL) data rate of a 4G LTE system is approximately
8. The Q-function $Q(x)$ for the Gaussian random variable is defined as
9. The standard l_2 norm $\|\bar{\mathbf{x}}\|$ of a possibly complex vector $\bar{\mathbf{x}} = [x_1 \quad x_2 \quad \cdots \quad x_n]^T$ is defined as
10. Which of the following is not a digital modulation format?

Answer:

1. 4G
2. Fading Wireless Channel Coefficient
3. WCDMA
4. $F_X(x) = \frac{1}{\sqrt{\pi}} e^{-x^2}$
5. Gaussian random variable
6. multiple transmitters and receivers
7. 100Mbps
8. $\int_x^{\infty} \frac{1}{\sqrt{2\pi}} e^{-\frac{x^2}{2}} dx$
9. $\sqrt{\sum_{i=1}^{n} x_1 \overline{x}_1}$
10. Options Not mentioned!