

Evaluation of Bit Error Rate probability for radio communications and fiber-optic communication systems

**D. N. Tsurcanu, A. P. Nistiriuk, A. G. Chihai, P. P. Nistiriuk,
L. V. Baxan, S. M. Andronic, P. V. Nistiriuk, G. V. Russu,
A. S. Alexei, M. L. Iazlovetskii, T. P. Tsurcanu**

<https://doi.org/10.1109/CRMICO.2014.6959370>

Abstract

The present paper concerns the estimation of BER parameter (Bit Error Rate) for radio systems and FOCS (fiber-optic communication systems), taking into consideration what is known the relationship signal/noise SNR (Signal-to-Noise Ratio) and the type of modulation.

References

1. Skljjar B. Cifrovaja svjaz'. Teoreticheskie osnovy i praktich-eskoe primenenie. [Digital communication. Theoretical basis and practical application]. Moskva: Vil'jams, 2004.1104 p.
2. Rappaport T.S. Wireless Communications: Principles and Practice 2 Edition. Prentice Hall Communications Engineering and Emerging Technologies Series, 2002. 127p.
3. Kornejchuk V.I., Panfilov I.P. Proektirvanie cifrovyh volo-konno-opticheskikh sistem peredachi. Metodicheskoe rukovostvo. [Designing of digital fiber-optic transmission systems]. Odessa: OJeIS, 1987. 28p.
4. Kornejchuk V.I., Makarov T.V., Panfilov I.P. Opticheskie sistemy peredachi. [Optical transmission system]. Kiev: Tehnika, 1994. 388p.
5. Kornejchuk V.I., Lesovoj I.P. Volokonno-opticheskie izmerenija. [Fiber optic measuring]. Kiev: Naukova dumka, 1999.323p.