

ABSTRACT

The text part of the bachelor's thesis: 97 pages., 55 pictures., 23 tables and 11 sources.

The purpose of the work is to substantiate the fact that the spectrum rounding coefficient has a direct impact on the radio signal generation of the bandwidth of the satellite TV broadcast line.

In this research we consider known standards of satellite television broadcasting DVB-S2 and DVB-S2X, and also investigate the parameters of these signals and their influence on the formation of the signal spectrum.

Keywords: digital television, BladeRFx40, modulator, modulation, bandwidth