

The invention relates to automatic gain control (AGC) in receiving channels of information and measuring systems of different application. A device for automatic gain regulation (AGC) due to performing an AGC channel in the form of an AGC channel filter, an analog-to-digital converter, a AGC demodulator, a digital filter for AGC demodulation signals, a digital quadrature demodulator of complex AGC, an evaluation unit for module average value of AGC demodulation signals, a shaping unit for AGC demodulation coefficients - H and AGC coefficients - K in series connected, allows one to provide protection of the reception channel against overload, to extend the dynamic range for 15-20 dB, increase of AGC accuracy.