

Regenerative resonant transistor amplifier relates to the field of radio engineering and can be used for construction of radio and telecommunication systems for different purposes. In experiments it is shown that it is particularly useful (due to more simplified design, high gain, low noise characteristics, and low power consumption) is application of the amplifier construction of input cascades of receivers. Regenerative resonance transistor amplifier includes a field effect transistor, structural inductance with outputs, blocking capacitor of transistor feeding, terminals: supply of the input signal, application of control DC voltage, feeding voltage supply and further it includes a terminal for takeoff of amplified RF signal. The proposed amplifier provides stable operation and its complete absence of adjustment during operation.