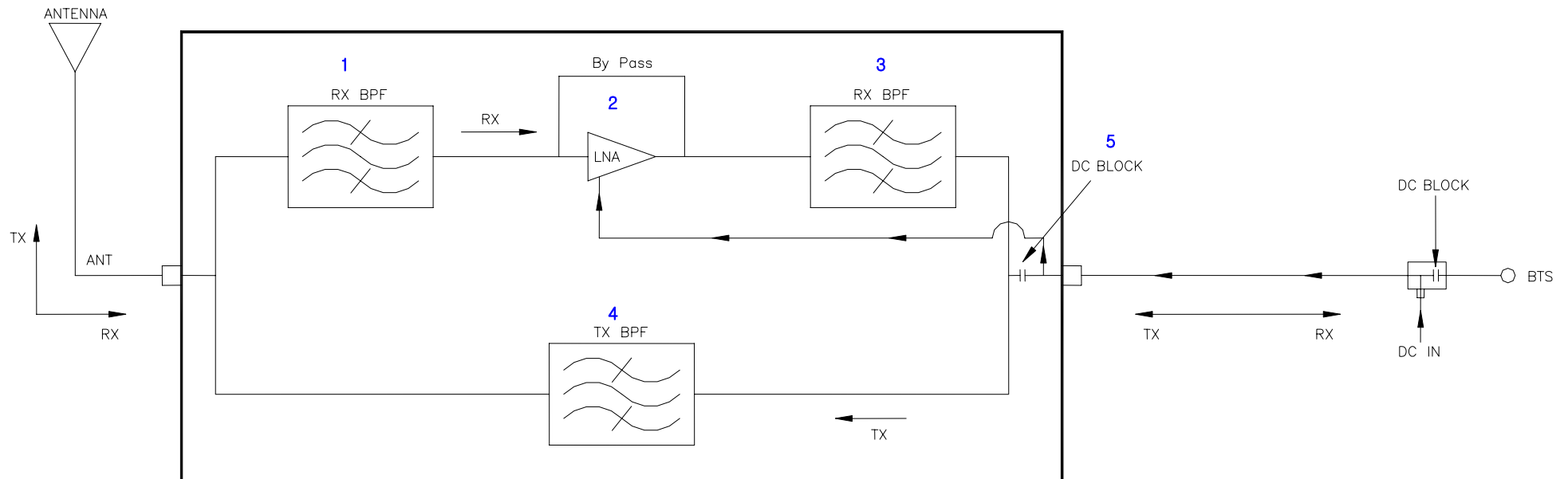


1. Block Diagram



2. Block Description

- ① Rx BPF: It is for passing the input signal and the first compensation of Isolation.
- ② LNA: It is for amplifying as 12dB gain of input signal, improving its sensitivity and operation of Rx path through By Pass function when the LNA is not worked.
 - Condition of By Pass: When there is no power or the current is less than or more than the standard as $100\text{mA} \pm 20$.
- ③ Rx BPF: It is for passing the amplified signal and the second compensation of Isolation.
- ④ Tx BPF: It is for passing the signal with low loss and compensation of Isolation.
- ⑤ DC Blocking: It is for blocking DC power to the filter and supplying power to LNA.