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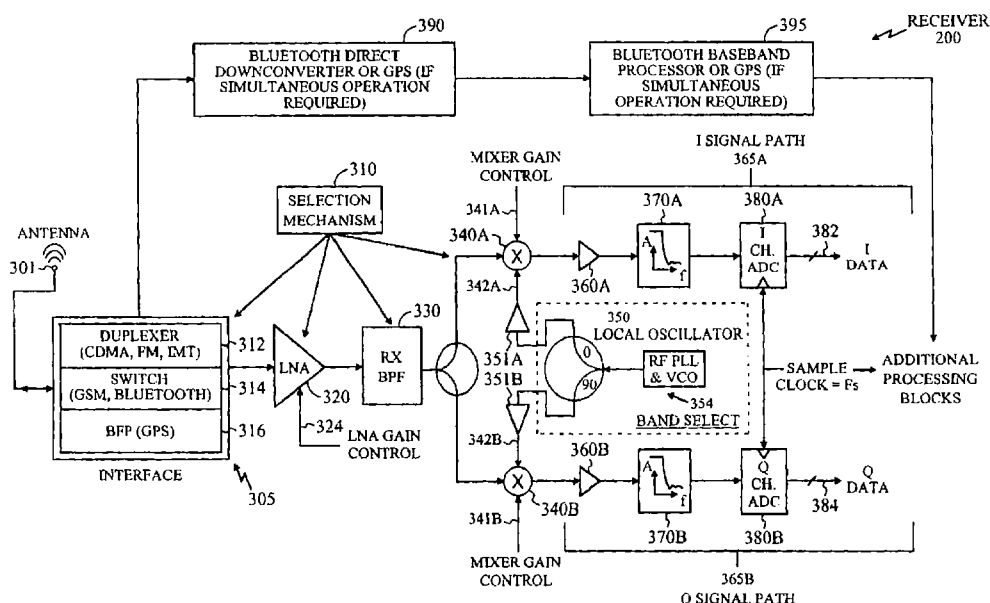


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(54) Title: DIRECT CONVERSION DIGITAL DOMAIN CONTROL



(57) Abstract: A system and method for a multi-band direct conversion wireless communication receiver is presented. The system incorporates a low noise amplifier (LNA) configured to amplify received RF signals, a local oscillator (LO) configured to output a frequency, and I and Q channel mixers. Each mixer has a first input operatively coupled to the LNA, a second input operatively coupled to the LO output, and an output. The system further includes an adjustment mechanism configured to adjust drive level of the LO depending on a level of jammers detected by the receiver. Thus, the receiver may operate in multiple wireless communication bands and modes and meet the associated specifications.

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