Common errors in configuration

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Some device modes and options can significantly affect the link's stability and throughput.

- Autobitrate and ATPC
- Frame size
- Packet retries management

Autobitrate and ATPC

To keep a balance between the wireless link's performance and the retries number, we recommend to always set the "Bitrate" parameter to "Auto" mode. Also enable the automatic transmit power control (ATPC) in order to increase the operational life of the devices.

Frame size

Make sure that the selected frame size ensures the best performance for your wireless system. A short frame will transmit less payload than a long one, however it ensures a smaller delay. A detailed description of the frame sizes in the TDMA technology is available in the "TDMA and Polling: Application features" article.

Packet retries management

The "Turbo" mode is available in the TDMA software version, which allow to increase the wireless link throughput in case that the degradation is caused by a large number of errors in the radio.

Detailed information about the radio parameter configuration via the web interface is available in the "Link Settings" article or via CLI in the articles: "mint command (TDMA version)" and "rfconfig command (TDMA version)".