

automatic gain control techniques pdf

This book analyzes automatic gain control (AGC) loop circuits. The main objective of this book is to demonstrate AGC solutions in the environment of wireless receivers, mainly in wireless receivers with stringent constraints in settling-time and wide dynamic range, such as WLAN and Bluetooth receivers.

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Automatic Gain Control (AGC) circuits are employed in many systems where the amplitude of an incoming signal can vary over a wide dynamic range. The role of the AGC circuit is to provide a relatively constant output amplitude so that circuits following the AGC circuit require less dynamic range.

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is an ... A radio automatic gain control (AGC) system works similarly. In this case, a portion of ... fiers use one or more techniques to obtain greater linear-ity through negative feedback. Feedback allows the

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