

Building wireless communication practice exercises with the MSP430 microcontroller series

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Abstract: In the context of increasing demand for efficient and energy-saving wireless communication systems, this topic focuses on developing practical exercises aimed at enhancing students' knowledge and skills in the field of wireless communication. Through a combination of theoretical research and experimentation, the project will provide solutions using the MSP430 microcontroller series to optimize transmission performance. The significance of this work lies in its contribution to the development of communication technology and the improvement of students' practical abilities, while also opening up new research directions in this field.

Keywords: wireless communication, MSP430 microcontroller, engineering practice, transmission system, technology application