

**Project Name**    Radio Control Vehicle  
**Project No:**    81624CB  
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The transmitter uses the PC24500, which is a new monolithic RF transceiver with operating in 3V voltage and operate frequency is between in the 2.411-2.473GHz. It was composed of frequency synthesizer, power amplifier, crystal oscillator, modulator and other functional modules, in which the output power and communication channels can be configured by program. The transmitter has 6 control switches, which the input encoded signal was processed through the internal signal with using of GFSK modulation and power amplification, and then transmit the radio frequency signal.