

## **27.145MHz transmitter operational description of 1:32 Lightning McQueen**

The transmitter send out 27.100MHz ~27.180MHz signal of high frequency to control the car move ,which supply voltage is 3.0volts with two batteries (size AA). Please consult with added block diagram and schematic .

When the user push the metal sheet of TX ,the high voltage signal enters into R5,R6,R7,R8 . The signal is generated by C9,C10,Q3,Q4 and sent thought R3 .T2,C13,C15,C12 makes up of oscillator ,The frequency is 27.145MHz ,which generated base oscillatory signal .The signal of forward was enlarged by Q1,it come by T1,C2,C3,L1,C1 and fixed 27.145MHz of high frequency, is sent out.

All tuning and verifications are performed by the manufacturer and there are no adjustment which can be made by the user .No external ground is required or used with this transmitter .