Electrical transmission lines, to transmit high frequency signals, a rectangular pulse, pulse generator, similar pulse forming device, function as a filеr, filter rejecting the even harmonics.

1. Transmission lines are also used as pulse generators. By charging the transmission line and then discharging it into a resistive load, a rectangular pulse equal in length to twice the electrical length of the line can be obtained, although with half the voltage

2. By cutting the free end of the transmission line, a minimum in the strength of the signal observed at a receiver can be found.