

## **Technical Description**

Model: 311-A1

FCC ID: N9R20130320311

Fundamental Frequency: 27.145MHz

Modulation: Pulsed Code Modulation

Antenna Type: Telescope integral antenna

<b>Description</b>	<b>Function</b>	<b>Component</b>
Antenna	Transmit modulation RF signal	ANT
Filter	Filtering the spurious emission	L1,L2,C6
RF power amplifier and modulator	Modulate the carrier and amplify the modulated RF signal	Q1
Oscillator	Generate 27.145MHz fundamental frequency	X1, Q2
Encoder	Generate code signal to modulator	TX3E

The device is the 27MHz transmitter of R/C boat. The fundamental frequency of the transmitter is 27.145MHz and powered by DC3V, two AA batteries. The remote control has two control key to control forward and backward move of the R/C Boat. When the control switch is pushed, TX3E will provide the code and modulated and amplified by Q1 with X1. The modulated signal passes thru the LC filter and transmitted thru the telescope integral antenna