

52613 RC2 Radio Control Bike TX Operation Principle

The 56213 RC2 Radio Control Bike TX operates basing on the controlling signals encode by 6 channel(FWD. BACK. LEFT. RIGHT. JUMP. TURBO) circuit; After modulation, the high frequency 27.145MHz oscillatory signals were emitted to control the progress, retreat functions for the RX. The modulation type is AM.

Circuit's composition:

Power circuit; encoding circuit; high frequency oscillatory circuit;
modulator and amplifier circuit.

1. Power circuit:

SW1, FUSE1, U2, R10, C12, C10, C9, C13, C14

2. encoding circuit:

U1, S1~S6, C1, R2, R3

3. 27.145MHz high frequency oscillatory circuit decoder circuit:

R6, R7, X1, Q1, C11, L1

4. modulator and amplifier circuit:

R4, R5, C3, C4, Q2, C5, L2, C6, C7, L3, C8, L4, ANT1