900MHz Transmitter (Tx) Description

The Tx working voltage is DC6V (4AA batteries). When the Tx power switch is switched to it middle position the two built-in Lipo battery chargers are switched on for charging Lipo batteries. When the Tx power switch is switched to its upper most position the Tx is turned on with the Tx state red LED going from flashing to steady on. Isolated by diodes the 4AA batteries and the External DC power receptor can both be used to power the Tx. The power supplies for the MCU and the RF ICs are 5V LDO .

The Tx MCU has the following functions:

A. Generating 4-proportional control channel CH1, CH2, CH3, CH4 commands from the analog potentiometers and 2-switch control channel CH5, CH6 commands from the switches.

B. 8 frequency selection.

C. 6 mixing selection + analog control output control switch.

D. Analog control output (PPM standard).

E. Special RF channel coding control.

F. Control the RF IC working frequency (900MHz band).