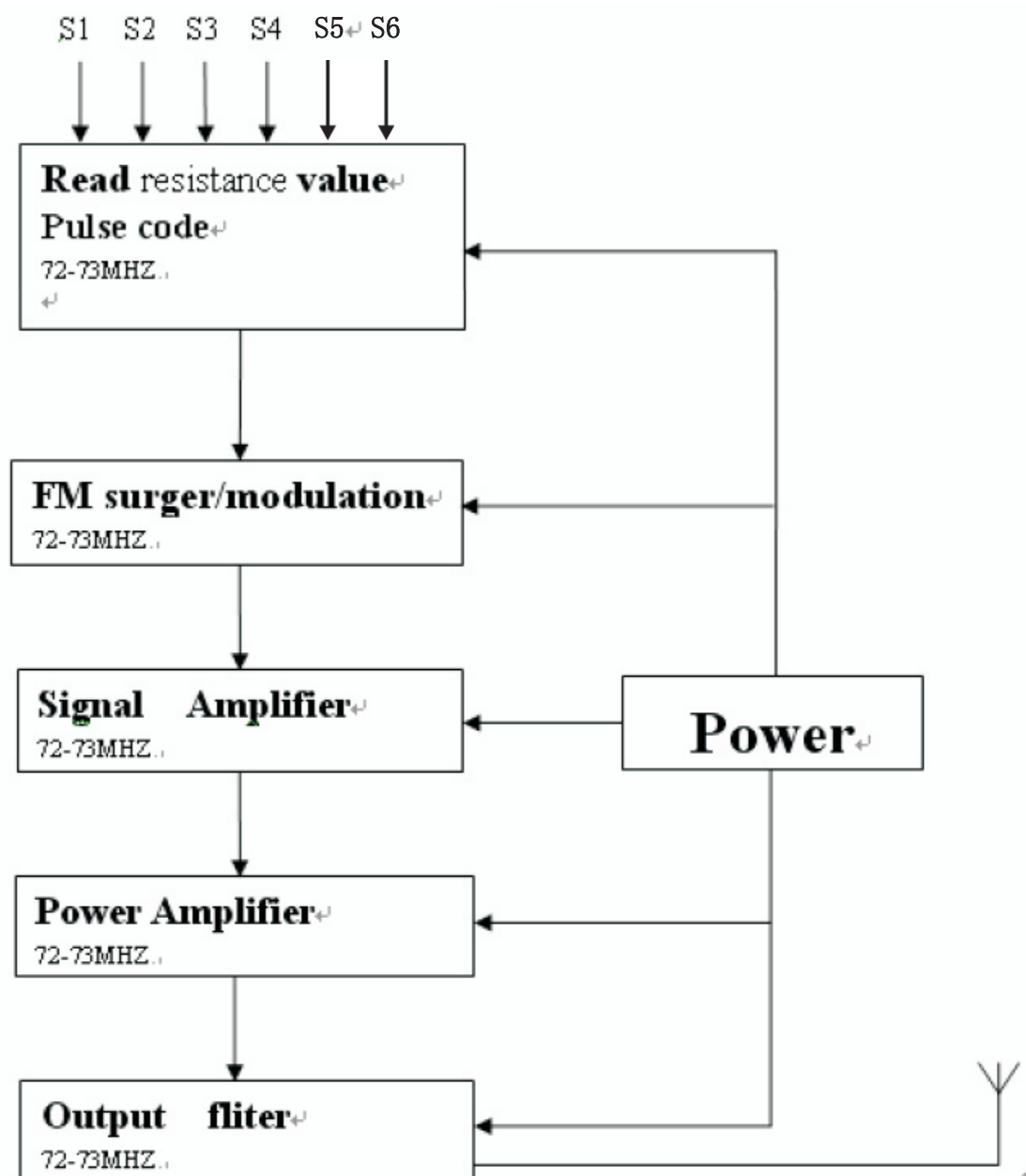




JIAXING SHENG TENG R/C MODEL PLANE CO., LTD.
237" QINJIAN ROAD, JIAXING, ZHEJIANG, CHINA
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Operation Description





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1. Read resistance value from each channel (Ch1, Ch2, Ch3, Ch4, Ch5, Ch6 from S 1~6)
2. Determine the Pulse Code and send the Pulse Code to FM surger/Modulation .
3. Get the Signal Amplified and Power of the signal amplified.
4. filtrate the signal and sent out the signal from the Antenna.

Technical data of ST transmitter

1: working voltage:DC9-12V

2:Warning voltage for the LED : $8.8 \pm 0.15V$

3:Emitting Power: $6dBm \pm 1.5 dBm$ (working voltage 11V)

4:Max consuming current : Not exceed 220MA (working voltage 11V)

5:Working frequency windage: Not exceed $\pm 4ppM$

THEORY EXPLANATION

By the MCU to read instructions for each of the resistance, and have pulse codes, pulse modulation (FM) by the frequency stability of quartz crystal oscillator circuit (72-73MHZ), and then through to the RF power amplification, filtering and by Antenna launch

Signal from the antenna through matching, low noise amplification permitted into the IC. Completion of the mixer、IF filtering and demodulation, and then after the surgery was carried out into the MCU pulse decoder, the realization of the command control channel.

2008-10-16