

Transmitter Specification

Frequency: 72.790MHz, 72.810MHz, 72.830MHz,
72.850MHz, 72.870MHz, 72.890MHz

Modulation frequency coding: $\pm 8\text{KHz}$

Carrier frequency modulation model: FM

Power: $<100\text{mW}$

Modulation S/N: $\geq 40\text{dB}$

Length of airframe: 180mm

Number of channels: 6

Working current: $< 200\text{mA}$

Antenna length: 910mm

Working voltage: 9.6-12V

RF output power: 0.016W

The max .frequency deviation: $\pm 20\text{KHz}$.

Information of Antenna

Gain: -10dB $\pm 0.5\text{dB}$

DC Resistance: $>0.3 \text{ OHM} < 1 \text{ OHM}$

Resistance: 50 OHM

The applicant, in response to the tune up request, provided the following information:

In order to insure the transmitter is transmitting at the intended frequencies, measure was taken as below:

The transmitting frequency is fixed by PLL (Phase Loop Lock) circuit. We set the PLL circuit in TX module to lock VCO (Voltage Controlled Oscillator) only for the objective frequencies. So it is impossible to transmitting other frequencies.