

JCRC Sound Measuring Procedure.

As per JCRC Club Rules:

- Noise Limits and Restrictions; All fuel driven aircraft will use a muffler or other sound-lowering device to minimize excessive engine noise. JCRC aircraft noise limits shall conform or exceed the City of Johnson City Noise Ordinance **3251, chapter 5, section 11-503, sub para (3), (b)**. Maximum sound level of 98 dBA measured per JCRC Standard Method of Sound Measurement Document.

Testing of aircraft noise levels shall follow the following procedure: The sound measurement shall be taken with the sound meter set to the —All weighting, slow response with windscreen installed. The sound meter shall be placed downwind, twenty-five feet from the model centerline and positioned in line with the prop arc at twenty-four inches in height. The sound meter shall be pointed directly at the model and perpendicular to the fuselage. The model being measured shall have its engine run at full power for the sound test. No noise reflecting objects will be allowed within three feet of the sound meter.

98dBA and under constitute a passing noise level.

JCRC had a sound study done on 10-2-2010. Using the above measuring procedure, the sound study confirmed that the Johnson City Noise Ordinance **3251, chapter 5, section 11-503, sub para (3), (b)**: (Noise levels will not exceed 75dBa at the property line.) will be fulfilled or exceeded.