

INTERTEK TESTING SERVICES

EXHIBIT 1

GENERAL DESCRIPTION

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1.0 General Description

1.1 Product Description

The Equipment Under Test (EUT) is a superregenerative receiver which is installed in a remote controlled toy loco operating at 49.86 MHz. The EUT is powered by four 1.5V "AA" size batteries and two 1.5V "C" size batteries. The EUT can be controlled in moving forward with electronic loco sound or reverse without this sound.

The brief circuit description is listed in the following.

- Q_1 and associated circuit act as a super regenerator.
- IC(TC4069), Q_2 and associated circuit act as an AF amplifier.
- $Q_{3,8}$ and associated circuit act as a motor driver.
- IC(EM 20056) and associated circuit act as an electronic loco sound generator.

1.2 Related Submittal(s) Grants

This is an application for Certification of a receiver. The FCC ID for the transmitter associated with this receiver is KTU602755T.