

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 transmitter of a wireless headphone system operating at 911-914 MHz which carries two model numbers: JVC HA-W100RF and ARKON RS-900B. The difference of the model number only serves as marketing strategy. The EUT is powered by AC mains.

The brief circuit description is attached in the following pages.

- IC₁ and associated circuit act as audio amplifier.
- IC₂ and associated circuit act as stereo multiplexer.
- IC₃ and associated circuit act as auto power.
- Q₁₀₁ and associated circuit act as an oscillator.
- C₁₀₉ and L₁₀₂ act as a bandpass filter.
- Q₁₀₂ and the associated circuit act as a RF amplifier.
- L₁₀₄₋₁₀₆, C₁₁₅₋₁₁₆ act as an antenna matching network.

1.2 Related Submittal(s) Grants

This is a single application for certification of a transmitter. The FCC ID of the receiver associated with this transmitter is MVAR900-001R and is granted on September 25, 1996.