

## Operational Description

Section 2.1033(b)(4) of the 47 CFR states:

“A brief description of the circuit functions of the device along with a statement describing how the device operates. This statement should contain a description of the ground system and antenna, if any, used with the device.”

Transmitter is by battery operation for single alone system.

Receiver will using AC power source.

What does this mean?

Describe the EUT completely. What is it? (in plain English as well as in technical terms). Give functional description. **The Users Manual is not a substitute for the Operational Description.** Always describe the signal such as modulation type, pulse repetition rate, signal type and information being sent.

- A complete functional description of the unit should be submitted. This description should include the intended mounting or use configuration. For example, is the unit (to be) fixed, mobile or portable?

The transmitter is portable, the Receiver will be mobile.

- Explain any transmit or modulation duty cycles.

It's belong AM/ASK modulation 100% by Manchester coding 33/66 duty cycle.

- Describe the antenna intended for use with device.

Transmitter is a PCB loop direction antenna for low power transmit.

Receiver is monopole direction antenna

- For Spread Spectrum devices, please provide the following information:

not spread spectrum device.

- Bit Rate
- Chipping Rate
- Data Rate
- Spreading Rate