

TYPE OF EXHIBIT: RF EXPOSURE

FCC PART: 1.1307

MANUFACTURER: RITRON, INC.
505 West Carmel Drive
Carmel, IN 46032

MODEL: SST-150

TYPE OF UNIT: VHF-FM Transceiver

FCC ID: AIERIT01-150

DATE: April 25, 2001

PLEASE NOTE THE FOLLOWING WITH REGARD TO RF EXPOSURE FOR THIS PRODUCT:

1) The User's Manual contains the following text:

EXPOSURE TO RADIO FREQUENCY ENERGY:

The JMX/SST Series handheld radios consist of a transmitter and a receiver. The transmitter is active when the Push-to-Talk button is depressed and emits radio frequency (RF) energy at a power level of up to 3 watts. Analog modulation techniques are used.

In 1991, the Institute of Electrical and Electronics Engineers (IEEE), and in 1992 the American National Standards Institute (ANSI) updated the 1982 ANSI standard for safety levels with respect to human exposure to RF energy. Over 120 scientists, engineers, and physicians from universities, government health agencies, and industry, after reviewing the available body of research, developed this updated Standard. In March 1993 the Federal Communications Commission (FCC) proposed the adoption of this updated Standard.

The JMX/SST "Four Series" handheld radios are designed to comply with this Standard. To limit your exposure to levels at, or below, the levels in the Standard, please observe the following:

- Use only the antenna(s) available from RITRON for these models. **DO NOT** attempt to substitute any other antenna.
- Keep talk times as short and infrequent as possible. **DO NOT** depress the PTT button when not actually wishing to transmit. The radio is equipped with an internal timer to limit continuous transmit times.
- When transmitting, hold the radio in front of the mouth at a distance of at least 4 inches. **DO NOT** hold the radio in such a manner that the antenna is next to, or touching, exposed parts of the body, especially the face or eyes while transmitting.
- In belt mounted applications, when transmitting, remove the radio from the belt and hold away from the body at least 4 inches.
- When using external headset accessories, hold the unit away from the body at least 4 inches while transmitting.
- **DO NOT** allow children to operate the radio.

2) Antennas:

Two antennas are available for this product, the AF-150 and AF-150-S. Both attach to the top of the radio and are shortened quarterwave whips. The connector is a 1/4-20 stud attached to the antenna. It would be difficult to connect any other connector or antenna other than that supplied by the manufacturer.

3) Device Limitations on Transmission:

The unit only emits significant RF power while the PTT button is actually depressed. This occurs only when the user makes a conscious effort to do so and would normally only occur when the user wishes to speak. The unit is a simplex unit; it does not transmit and receive simultaneously.

The RF power amplifier is thermally limited to continuous operation for a period of time measured in minutes. An internal timeout timer exists which limits continuous transmit to one minute or less. For short term conversations, the expected duty cycle is 50% maximum. For long term, the duty cycle is 10% or less. Experience has shown that battery life calculations based upon a 5% transmit duty cycle tend to reflect real world operation.