

**TYPE OF EXHIBIT:** MANUFACTURER'S STATEMENT

**FCC PART:** 2.947

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

**MODEL:** DTX-442

**TYPE OF UNIT:** UHF-FM Two Way Radio Transceiver Module

**FCC ID:** AIERIT17-442

**DATE:** Dec 11, 2003

**PRODUCT STATEMENT:**

The RITRON model DTX-442 is a two-way transceiver module capable of supporting voice or data communications. It can operate either in narrowband mode 11K2F3E or wideband mode 16K0F3E. In narrowband mode it is also capable of supporting data rates up to 9600 bps (11K2F1D). Power output can be adjusted from 1 to 5 watts. A DTX-442 will cover the frequency range of 450 to 470 MHz.

This product will be manufactured and marketed on a continuing basis in the United States by the applicant, RITRON, Inc. of Carmel, IN.

**TYPE OF EXHIBIT:** STATEMENT OF CERTIFYING ENGINEER

**FCC PART:** 2.947

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

**MODEL:** DTX-442

**TYPE OF UNIT:** UHF-FM Two Way Radio Transceiver Module

**FCC ID:** AIERIT17-442

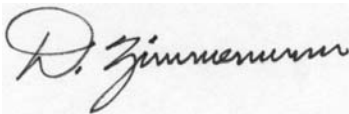
**DATE:** Dec 11, 2003

**STATEMENT:**

I, Dennis Zimmerman, am now, and have been for the past 6 years a project engineer at RITRON, Inc. I have been employed in the two-way radio business for the past 18 years. I received a BSEE degree from the University of Cincinnati in 1977.

I hereby certify that all the measurements were taken by me, or under my direct supervision and that they were taken using accepted engineering principles and accurately reflect the performance of the unit tested.

Further, I attest that manufacturing controls exist such that this data are representative of units which will be manufactured by RITRON.

A handwritten signature in cursive script, appearing to read "D. Zimmerman", written in dark ink on a light background.

Dennis Zimmerman  
Project Engineer  
RITRON, Inc.

**TYPE OF EXHIBIT:** STATEMENT CONCERNING SPECTRUM EFFICIENCY

**FCC PART:** 2.947

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

**MODEL:** DTX-442

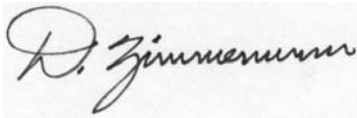
**TYPE OF UNIT:** UHF-FM Two Way Radio Transceiver Module

**FCC ID:** AIERIT17-442

**DATE:** Dec 11, 2003

**STATEMENT:**

I, Dennis Zimmerman, certify that this product, DTX-442, meets the spectrum efficiency standard of one voice or 9600 bps of data per 12.5 kHz of channel bandwidth.

A handwritten signature in black ink, reading "D. Zimmerman", is displayed on a light gray rectangular background.

Dennis Zimmerman  
Project Engineer  
RITRON, Inc.