

**TYPE OF EXHIBIT:** DESCRIPTION OF MEASUREMENT FACILITY

**FCC PART:** 2.948

**MANUFACTURER:** RITRON, Inc.

**MODEL:** DTX-465

**TYPE OF UNIT:** UHF Transceiver Module

**FCC ID:** AIERIT34-4650

**DATE:** November 30, 2015

The ERP and field strength of spurious emissions measurements filed with this application were made on a site certified by RITRON, Inc. Data pertaining to this site are on file with the FCC and Industry Canada.

This site is used on a continuing basis exclusively by RITRON, Inc. and is utilized only for RF field strength measurements of equipment designed and manufactured by RITRON, Inc. It is not used for measurements by, or for, any other party on a contract basis or otherwise.

All other measurements were taken at RITRON's engineering laboratory in Carmel, IN.



Kevin G. Matson  
Senior Project Manager  
RITRON, Inc.

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

**FCC PART:** 2.1033(c)(1-2)

**MANUFACTURER:** RITRON, Inc.

**MODEL:** DTX-465

**TYPE OF UNIT:** UHF Transceiver Module

**FCC ID:** AIERIT34-4650

**DATE:** November 30, 2015

The RITRON model DTX-465 is a UHF Transceiver Module designed for operation on 6.25 kHz and 12.5 kHz channel bandwidths. Its output power is variable from 5 watt to 30 watts.

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



Kevin G. Matson  
Senior Project Manager  
RITRON, Inc.

**TYPE OF EXHIBIT:** STATEMENT OF CERTIFYING ENGINEER  
**FCC PART:** 2.947  
**MANUFACTURER:** RITRON, Inc.  
**MODEL:** DTX-465  
**TYPE OF UNIT:** UHF Transceiver Module  
**FCC ID:** AIERIT34-4650  
**DATE:** November 30, 2015

I, Kevin G. Matson, have been employed by RITRON, Inc. since May 1980, working in the Engineering Department since November 1980 as a Radio Frequency Project Engineer/Manager.

I received an Associates Degree in Electrical Engineering Technology from Purdue University at Indianapolis in 1980. I received a Bachelor of Science Degree in Electrical Engineering Technology from Purdue University at Indianapolis in 1982.

I hereby certify that all measurements and date herein were taken by me, that they were obtained using sound and accepted engineering principles, and that they accurately reflect the performance and characteristics of the units tested.



Kevin G. Matson  
Senior Project Manager  
RITRON, Inc.

**TYPE OF EXHIBIT:** STATEMENT OF OPERABILITY ON NATIONWIDE PUBLIC SAFETY INTEROPERABILITY CALLING CHANNEL

**FCC PART:** 90.203(j)(1)

**MANUFACTURER:** RITRON, Inc.

**MODEL:** DTX-465

**TYPE OF UNIT:** UHF Transceiver Module

**FCC ID:** AIERIT34-4650

**DATE:** December 8, 2015

I, Kevin G. Matson, Senior Project Engineer for RITRON, Inc., certify that this product, DTX-465, is capable of operating on the Nationwide Public Safety Interoperability Calling Channel in the 450-470MHz Band. (See 90.20(c)(d))



Kevin G. Matson  
Senior Project Engineer  
RITRON, Inc.

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

**FCC PART:** 90.203(j)(3),(5)

**MANUFACTURER:** RITRON, Inc.

**MODEL:** DTX-465

**TYPE OF UNIT:** UHF Transceiver Module

**FCC ID:** AIERIT34-4650

**DATE:** December 8, 2015

I, Kevin G. Matson, Senior Project Engineer for RITRON, Inc., certify that this product, DTX-465, meets a spectrum efficiency standard of one voice channel per 12.5 kHz of channel bandwidth and a minimum data rate of 4800 bps per 6.25kHz of channel bandwidth.

Also, the DTX-465 meets a spectrum efficiency standard of one voice channel per 6.25 kHz of channel bandwidth and a minimum data rate of 4800 bps per 6.25kHz of channel bandwidth.



Kevin G. Matson  
Senior Project Engineer  
RITRON, Inc.

**TYPE OF EXHIBIT:** ANTI-DRUG ABUSE CERTIFICATION  
**FCC PART:** 1.2002(b)  
**MANUFACTURER:** RITRON, Inc.  
**MODEL:** DTX-465  
**TYPE OF UNIT:** UHF Transceiver Module  
**FCC ID:** AIERIT34-4650  
**DATE:** November 30, 2015

I, Kevin G. Matson, certify that RITRON is not subject to a denial of Federal benefits, that include FCC benefits, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862 because of a conviction for possession or distribution of a controlled substance.



Kevin G. Matson  
Senior Project Manager  
RITRON, Inc.