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January 29, 2018

Office of Engineering and Technology
Laboratory Division
Equipment Authorization Branch
FCC Laboratory7435 Oakland Mills Rd.
Columbia, MD 21046

Re: FCC ID: AIERIT44-465

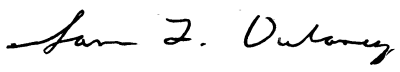
Timco:

RITRON Inc. is submitting the RLR-465 digital repeater for certification. Along with a sample for testing are the standard Part 90 exhibits. The **duplexer in the repeater has been bypassed** to allow testing of the transmitter at three frequencies across the operational range of 450 to 470 MHz. Only the transmitter is connected to the type N connector. Included with the repeater sample is a test cable which allows selection of twelve channels via the push button as follows. The toggle switch will cause transmission.

Chanel	Frequency (MHz)	Mode
0	460.025	Carrier only (for frequency measurement)
1	451.025	6.25 kHz 4FSK pseudorandom modulation
2	460.025	6.25 kHz 4FSK pseudorandom modulation
3	469.975	6.25 kHz 4FSK pseudorandom modulation
4	451.025	12.5 kHz 4FSK pseudorandom modulation
5	460.025	12.5 kHz 4FSK pseudorandom modulation
6	469.975	12.5 kHz 4FSK pseudorandom modulation
7	451.025	6.25 CW ID
8	460.025	6.25 CW ID
9	469.975	6.25 CW ID
A	451.025	12.5 CW ID
b	460.025	12.5 CW ID
C	469.975	12.5 CW ID

Channel 0 is intended for frequency measurement over temperature. Channels 1 through 3 can be used for occupied bandwidth measurements for 6.25 kHz NXDN signaling. Channels 4 through 6 can be used for occupied bandwidth measurements for 12.5 kHz DMR continuous signaling.

Let us know how we can assist you in the completion of the certification.



Sincerely,

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