

**Amendment to STA APPLICATION FILE NUMBER 0000015964
ENGINEERING DATA CONCERNING PROPOSED STA OPERATION, 460-470 MHz LAND
MOBILE LICENSEE PROTECTION AND RF SAFETY**

K14NV-D CH 14 SIOUX CITY, IOWA

OCTOBER 17, 2016

An error in STA Application file number 0000015964 has been identified wherein the proposed ERP was specified as 15 kW instead of the intended value of 6 kW. However, it has just been learned that the actual transmitter power output capability of the temporary transmitter is 130 watts and the maximum ERP for STA operation is 1,600 watts. This amendment corrects the TPO to reflect an ERP of 1,600 watts. No other changes to the STA request have been made and the original STA language is found below.

The K14NV-D CH14 LPTV transmission facility consists of a SWR Model SWLP12OI/14 slot antenna mounted at the authorized in LMS file number 0000013460. The Dielectric eight pole mask filter and transmission line have a combined loss of 2.67 dB while the antenna power gain is 13.433 dB yielding a net system gain of 10.763 dB, a power gain of 11.92 and a TPO requirement of 1.258 kW for the full authorized 15 kW ERP. The STA requests operation with a 500 watt transmitter and a reduced ERP of 6 kilowatts and will allow the station to commence service to the public at the earliest possible time. K14NV-D brings new program content not previously available to the Sioux City market which will serve the public interest. Delivery on the 1.5 kW transmitter required for full power operation is anticipated in 30 – 45 days.

The proposed K14NV-D operation is designed to provide full protection to adjacent 460-470 MHz wireless user through the implementation of a custom Dielectric 8 pole bandpass filter matched to the transmitter emission mask. Based on prior coordination with FCC staff letters have been mailed to over 2200 FCC wireless licensees between September 19th and the 23rd advising licensees of the proposed construction and operation of K14NV-D with contact information in the unlikely event that any interference should occur. Allowing K14NV-D to commence operation at reduced ERP is also believed to be in the public interest as an interim operating condition.

The permittee will reduce power or cease operation as required to meet FCC OET-65 worker exposure requirements.

The foregoing was prepared on behalf of CONTIGO COMMUNICATIONS, LLC by Clarence M. Beverage of *Communications Technologies, Inc.*, Marlton, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. The statements herein are true and correct of his own knowledge, except such statements made on information and belief, and as to these statements he believes them to be true and correct.



Clarence M. Beverage
for Communications Technologies, Inc.
Marlton, New Jersey
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