ENGINEERING STATEMENT IN SUPPORT OF APPLICATION FOR LICENSE CH 14 LPTV KBWF-LD SIOUX CITY, IOWA

NOVEMBER 29, 2016

The KBWF-LD CH14 LPTV transmission facility consists of a SWR Model SWLP12OI/14 slot antenna mounted at the authorized site and elevation specified 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 transmitter power has been set at 1.26 kilowatts.

The authorized KBWF-LD operation is designed to provide full protection to adjacent 460-470 MHz wireless users 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 facility.

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

The facility has been operational at reduced ERP since mid-October and at full power since November 23rd under equipment tests. No complaints of interference to operators in the adjacent 460-470 MHz band have been received.

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.

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Clarence M. Beverage for Communications Technologies, Inc. Marlton, New Jersey November 29, 2016