

## WTXX-LD COMPANION CHANNEL APPLICATION

### ENVIRONMENTAL DISCUSSION

JANUARY 16, 2016

The proposed antenna system consists of an Alive Telecommunications ("ATC") model ATC-BCH414CWS-34, UHF slot TV antenna consisting of fourteen slots. The maximum relative field in the elevation pattern between 20 and 90 degrees is 0.091. The antenna radiation center is 36.6 meters above ground. Utilizing formula 10 OF OET Bulletin No. 65, Edition 97-01, a value F of 0.091 has been used to calculate the power density 2 meters above ground. The maximum power density is 3.4655 uw/cm squared calculated for an ERP OF 15,000 watts H. polarization. This value is 0.8767% of the Public Exposure MPE OF 395.3 uw/cm squared per section 1.1310 for CH 34 operation. Based on this analysis it is believed that the proposed facility is in compliance with OET-65 Guidelines.

The applicant will reduce power or cease transmission as required to meet FCC OET-65 Guidelines.

The proposed tower is an existing site with tower, building, access road and power.