

**WTXX-LD APPLICATION FOR EXPERIMENTAL STA OPERATION UTILIZING CH 29**  
**7.3 kW ERP DA LICENSE FACILITIES FCC FILE # 0000184610**  
**FOR 5G BROADCAST TECHNOLOGY SPRINGFIELD, MASSACHUSETTS**  
**ENGINEERING NARRATIVE**  
**JANUARY 27, 2024**

WTXX-LD is a licensed LPTV facility using CH 29 in Springfield, Massachusetts. On February 11, 2022 the station was granted a license for 7.3 kW ERP DA, RC 357.7 M AMSL, as authorized in FCC file number 0000184610. This application has been prepared on behalf of HC2 Station Group, Inc. (“HC2”) in support of its application for experimental authority as described in the Narrative Statement submitted herein. The proposed 5G transmission system will be operated in full compliance with the station license. The following transmission system characteristics are being addressed:

ERP not to exceed the authorized licensed value using the licensed transmitter site.

Transmission to comply fully with the FCC full power emissions mask.

Spurious emissions to meet all Part 73 and 74 requirements and in no event cause impermissible interference.

Operation in full compliance with OET-65 Guidelines as certified in application for CP FCC file #0000184287.

This application is believed to be compliant with the purpose of Part 5 – Experimental Radio Service requirements. Section 5.3 permitted operations include experiments in the broadcast services, technical radio research, technical demonstrations, and field strength surveys. All of these services are anticipated to be involved in the proposed experimental service. The applicant is an FCC licensee, and the WTXX-LD facility is currently authorized as specified in Section 5.51 and 5.53.

The applicant will comply with FCC rule section 5.84 by not causing harmful interference and will cease transmission or reduce power as necessary to remove interference.

HC2 is submitting multiple PDF attachments that have been uploaded in the application form which provide material for further understanding of 5G Broadcast Technology and the wide scope of benefits that are possible.

Based on the information supplied herein, and accompanying application form, it is believed that the proposed facilities meet all applicable FCC requirements. The foregoing has been prepared on behalf of HC2 Station Group, Inc. by Clarence M. Beverage of Communications Technologies, Medford, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. The undersigned certifies, under penalty of perjury, that 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  
Medford, New Jersey  
January 27, 2024