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# *Summary of Requested LPFM Waiver(s)*

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**Call letters:** NEW296L1.P  
**City of License:** Knoxville, TN  
**Channel:** CH296L1 (107.1 MHz)  
**File No:** New Facility Construction Permit Application  
**Facility ID:** 780792  
**Applicant:** North Knoxville Health Education Center

## **Explanation of LPFM Waiver Request(s) & Schedule 318 Form Issues**

### **Waiver Request of 47 C.F.R. Section 73.811(a)**

A waiver of 47 C.F.R. Section 73.811(a) is respectfully requested concerning use of the NEC 03 terrain database for calculation of the HAAT value. Pursuant to the procedures as detailed in 47 C.F.R. Section 73.313(d), an HAAT value of 37.0 meters is returned utilizing the NED 03 terrain database. This calculated HAAT value results in an operational power of 62 watts ERP. A copy of the proposed HAAT calculation has been included in **Exhibit 5** of the master engineering packet.

### **Waiver Request of 47 C.F.R. Section 73.807(e)(1)**

A waiver of 47 C.F.R. Section 73.807(e)(1) for second adjacent channel given interference is respectfully requested toward WFGW(FM) - Norris, TN (CH294A) as included in **Exhibit 7**. The Interference Contour at the proposed Translator site has been calculated to be no less than the 119.4 dBμ F(50:10) interference contour corresponding to the worst case protected contour at the Translator site. This represents the proposed interference contour which falls wholly within the 40:1 dB ratio. As seen in the **Exhibit 7** Aerial Photograph, there is a lack of population, housing, buildings or major roads within this interference contour. The applicant would like to note new tower construction is being proposed herein.

### **Schedule 318 Form Issues**

Due to limitations within the LMS Schedule 318 Form, the 47 C.F.R. Section 73.811(a) requested 37.0 meter HAAT value and 62 watt ERP value cannot be manually entered. Therefore, the applicant respectfully requests the Commission enter these corrected values internally. Documentation regarding the waiver request of 47 C.F.R. Section 73.811(a) for use of the NED 03 terrain database for calculation of the 37.0 meter HAAT value and operational power of 62 watts ERP has been previously noted.