

High Point, North Carolina  
Application for License to Cover  
FM Translator W285EU  
On Channel 285  
by  
Eastern Airwaves, LLC

Exhibit: Special Operating Conditions

November 2019

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Declaration

I declare, under penalty of perjury, that I am a technical consultant to broadcasting and other communications systems, that I have over twenty-five years of experience in the engineering of broadcast and other communications systems, that I am familiar with the Federal Communications Commission's Rules found in the Code of Federal Regulations Title 47, that I am a Professional Engineer registered in North Carolina, that I have prepared or supervised the preparation of the attached Exhibit: Special Operating Conditions, for Eastern Airwaves, LLC, and that all of the facts therein, except for facts of which the Federal Communications Commission may take official notice, are true to the best of my knowledge and belief.



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5 November 2019

### Narrative

This Exhibit supports a license to cover application for FM translator W285EU, on Channel 285 in High Point, North Carolina. This facilities as constructed comply fully with the requirements of the construction permit, file number BPFT-20190102AIX.

### Special Operating Conditions or Restrictions

The construction permit has four (4) special operating conditions or restrictions. This exhibit provides details on compliance with each.

1. Eastern Airwaves, LLC, in coordination with other users of the site will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

2. This Application for an FM Translator or FM Booster Station License, on FCC Form 350, is being filed, as required, prior to commencing program test operations.

3. Measurements were made on the combined translator operation with both translators operating at full power. A spectrum analyzer was connected to a sample port wattmeter element, inline after the combiner. No intermodulation products were observed above the noise floor. Harmonic products were also checked, and none were above the noise floor.

4. The base impedance for the AM station on whose tower the translator antenna is located was measured. The change in resistance was less than 1.5%. Therefore no application is required for WMFR to return to direct power measurement.