

# Federal Communications Commission

## FM TRANSLATOR BROADCAST STATION CONSTRUCTION PERMIT

**Permittee**

TRIGNITION MEDIA, LLC  
786 WEST QUEEN  
STREET  
SOUTHINGTON, CT, 06489

**Call Sign**

W297BT

**Facility ID**

138550

<b>File Number</b> 0000213866	<b>This Permit Modifies License File No.</b> BLFT-20180522AAI	
<b>Filing Date</b> 04/13/2023	<b>Grant Date</b> 05/01/2023	<b>Expiration Date</b> 04/30/2026

<b>Community of License</b>  <b>City:</b> HARTFORD <b>State:</b> CT	<b>Frequency (MHz)</b> 107.3	<b>Station Channel</b> 297	<b>Station Class</b> D
<b>Primary Station</b> WRYM NEW BRITAIN CT		<b>Via</b> Other	
<b>Hours of Operation:</b> Unlimited			

<b>Transmitter</b> Certified for compliance per 74.1250 or verified for compliance per 73.1660 of the Commission's Rules.	<b>Transmitter Output Power</b> As required to achieve authorized ERP.
<b>Antenna Type</b> Directional	<b>Antenna Coordinates (NAD 83)</b> <b>Latitude</b> 41-46-0.3 N <b>Longitude</b> 72-40-36.3 W
<b>Major Lobe Directions</b> 90	

	<b>Horizontally Polarized Antenna</b>	<b>Vertically Polarized Antenna</b>
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<b>Effective Radiated Power in the Horizontal Plane (kW)</b>	0.099	0.099
<b>Height of Radiation Center Above Ground (meters)</b>	168	168
<b>Height of Radiation Center Above Mean Sea Level (meters)</b>	183.0	183.0
<b>Height of Radiation Center Above Average Terrain (meters)</b>		

<b>Antenna Structure Registration Number</b> Not Required	<b>Overall Height of Antenna Structure Above Ground (meters)</b> 172
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#### **Obstruction Marking and Lighting Specifications for Antenna Structure**

It is expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303 (q) of the Communications Act of 1934, as amended.

#### **Special Operating Conditions or Restrictions**

The permittee/licensee in coordination with other users of the site must 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.

- Prior to commencing program test operations, FM Translator or FM Booster permittee must have on file an Application for an FM Translator or FM Booster Station License, pursuant to 47 C.F.R. Section 74.14.
- BEFORE PROGRAM TESTS COMMENCE, sufficient measurements shall be made to establish that the operation authorized in this construction permit is in compliance with the spurious emissions requirements of 47 C.F.R. Sections 73.317(b) through 73.317(d). All measurements must be made with all stations simultaneously utilizing the shared antenna. These measurements shall be submitted to the Commission along with the FCC application for license.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules (See Section 83.875).

Pursuant to Section 73.3598, this Construction Permit will be subject to automatic forfeiture unless construction is complete and application for license is filed prior to expiration.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

