

TECHNICAL EXHIBIT APPLICATION FOR LICENSE

FM Translator Station W266DM
0.250 kW ERP / 101.1 MHz
Anderson, Indiana

WOOF BOOM RADIO MUNCIE LICENSE, LLC

October 2021

APPLICATION FOR LICENSE

The following engineering statement has been prepared for **Woof Boom Radio Muncie License LLC** ("Woof Boom"), permittee of FM translator station W266DM at Anderson, Indiana, and is in support of their application for license to cover the initial construction of that facility. This application is being filed to cover the construction permit assigned FCC File No. BNPFT-20180314ABI. The Facility ID for W266DM at Anderson, Indiana is 201642.

The referenced construction permit authorizes operation on FM channel 266, 101.1 MHz, with an effective radiated power of 250 Watts at a center of radiation of 361 meters above mean sea level, 90 meters above ground, utilizing a Propagation Systems, Inc. ("PSI") model PSIFML-4/0.75 antenna. The facility is constructed in accordance with the parameters specified in the construction permit application.

The construction permit, as issued by the Commission, lists four special conditions or restrictions.

The first condition pertains to RF radiation safety at the site. In compliance with this condition, Woof Boom certifies that it will coordinate with all other users of the site to ensure that workers and other personnel are not exposed to levels of radiofrequency radiation in excess of the applicable safety standards.

The second condition pertains to this application for license and program test authority. As stated in this condition, this application must be on file prior to the commencement of program

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tests. Upon submission of this license application, Woof Boom will commence operation under program test authority.

The third special condition pertains to the primary station for this translator, and for W279CL at Anderson, Indiana.¹ Under this condition, Woof Boom is to provide evidence to the Media Bureau that the primary station for W279CL has been changed. Attached to this engineering statement is the notification electronically filed with the Commission regarding the change in the primary station.

The final condition pertains to the Commission's *AM Revitalization* efforts. Under this condition, Woof Boom is advised, among other things, that this translator is tied to the primary station, WHBU at Anderson, Indiana, in perpetuity, and that the authorization for this translator may only be assigned or transferred in conjunction with the authorization for the primary station.² Steckline is cognizant of all requirements or restrictions under this condition, and will abide by the same.

The specified transmitter power output achieves the authorized effective radiated power. The antenna utilized by the facility is a PSIFM-4/0.75 as was previously stated. The manufacturer has specified 1.85 as the power gain of this antenna. The input power to the antenna that is required to achieve the authorized effective radiated power is 135.1 Watts.

¹ The Facility ID for W279CL at Anderson, Indiana is 142530.

² The Facility ID for WHBU at Anderson, Indiana is 2212.

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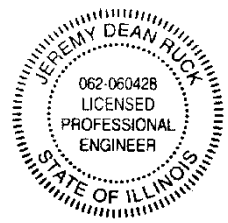
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Preceding the antenna is the run of transmission line. This run consists of 305 feet of Andrew/Commscope AVA5-50, which is a semi-flexible foam dielectric coaxial cable with a nominal diameter of 7/8 inches. Data from the manufacturer indicates that the insertion loss of this run of line, including the connector loss, is 1.1258 dB. This corresponds to an efficiency of 77.16 percent. The input power to the transmission line to achieve the authorized effective radiated power is 175.1 Watts, which rounds to 175 Watts. The input to the transmission line is the output of the transmitter, thus the specified transmitter power output achieves the authorized effective radiated power.

The antenna utilized by the facility is a non-directional antenna. This antenna has been installed in accordance with the instructions of the manufacturer.

The preceding statement has been prepared by me, or under my direction, and is true and accurate to the best of my belief and knowledge.



Above signature is digitized copy of actual signature
License Expires November 30, 2021

Jeremy D. Ruck, PE
October 6, 2021

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October 5, 2021

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Marlene H. Dortch, Secretary
Federal Communications Commission
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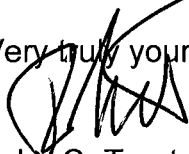
Re: FM Translator W279CL (FX), Anderson, IN (FAC# 142530)
Notification of Change in Primary Rebroadcast Station

Dear Madam Secretary:

On behalf of Woof Boom Radio Muncie, LLC, the Licensee of the above referenced FM Translator and pursuant to *Section 74.1284* of the Commission's Rules, this is to give notice to the FCC Staff that FM Translator W279CL (FX), Anderson, Indiana (FAC# 142530) shall now rebroadcast Radio Station WLBC (FM) HD-2, Muncie, Indiana (FAC# 17602).

This Notice is being submitted *via e-mail only* pursuant to the Audio Division COVID-19 Public Notice DA 20-266 (released March 13, 2020). If you have any questions regarding this Notice, please feel free to contact this office.

Very truly yours,



John C. Trent

cc: Robert Gates, FCC (*via e-mail only*)