

ENGINEERING STATEMENT IN SUPPORT OF APPLICATION FOR
LICENSE FOR FACILITIES AUTHORIZED IN CONSTRUCTION PERMIT
WXBK(FM) FACILITY ID 20886 CH 234B FCC FILE NUMBER 0000131143
NEWARK, NEW JERSEY
AUGUST 2022

This application has been prepared on behalf of Audacy License, LLC licensee/permittee of Commercial FM station WXBK(FM), formerly WNSH(FM), CH 234B, Newark, New Jersey. This application for license is filed for the purpose of demonstrating that the facility has been constructed in accordance with the construction permit terms and conditions. *Program test authority is requested.*

Until PTA is granted the station will operate from the licensed site. This is due to the dramatic ERP reduction from 40 kW to 9 kW at the CP site required per FCC Rule section 73.1615(a)(1). Please see Figure 1 attached.

The following operating conditions or restrictions are confirmed, and attachments uploaded in the application if appropriate:

- The permittee/license will reduce power or cease operation as required to comply with FCC OET-65 guidelines.
- It is acknowledged that this is a 73.215 grant.
- Electronics Research, Inc. ("ERI") has supplied a model 1183-4CP-DA-SP circularly polarized antenna for WXBK(FM) with 92" interbay spacing, 0.74 lambda at 94.7 MHz. Under date of May 21, 2021, ERI has prepared a complete proof-of-performance report a copy of which is attached. The proof of performance, page 5, antenna specifications, sets the antenna orientation at 3 degrees true.
- Geod Corporation, Paul J. Emilius Jr., New Jersey professional land surveyor, has certified that the antenna is oriented at 3 degrees true under seal dated July 26, 2022, a copy of which is attached.
- James McGivern, regional engineering manager for Audacy, has been the local project manager and overseer of the antenna system installation project. Mr. McGivern has certified that the antenna system has been installed per the specifications provided by ERI and that certification dated August 5, 2022, is attached.
- Map Figure 2 attached compares the 70 dBu F(50,50) contours using the CP and measured composite pattern data. Both contours cover 100% of the community boundary of Newark, New Jersey, the community of license.

- The ERI proof-of-performance report, Figure # 1 is a tabulation of the measured pattern ERP in 5 degree azimuth steps. The measured CP ERP compared to the FCC ERP limits values are tabulated below. The measured pattern ERP is less than the ERP limits in all cases.
- | Azimuth | Limit | Measured |
|------------|-----------|-----------|
| 90 degrees | 30.276 kW | 29.935 kW |
| 210 | 33.27 kW | 31.528 |
| 215 | 33.27 kW | 29.279 |
| 220 | 33.27 kW | 27.275 |
- WMAS-FM Enfield, CT. Facility ID 36543 submitted its 302-FM license application against CP BPH-20190213ABD. The license was granted on June 21, 2022, FCC File number 0000187550. Based on this information it is believed that the WMAS-FM facility is no longer a consideration with respect to PTA and license grant for WXBK.
 - Carl T. Jones, Jr., P.E., of the firm Carl T. Jones Corporation represents IHM Licenses, LLC, licensee of AM station WOR(AM). The WXBK antenna system is located on FCC tower registration #1237850 which is tower 3TA3 in the WOR(AM) directional array. Mr. Jones certification dated August 5, 2022, is attached. The certification states in part “the WOR directional pattern has been restored to a fully licensed condition after completion of the installation of the WXBK FM equipment...”
 - The ERI antenna system specified in the application for CP, a four section 0.74 wave spaced antenna, is the antenna system installed and specified in the license application.

The foregoing was prepared on behalf of Audacy License, LLC by Clarence M. Beverage of *Communications Technologies, Inc.*, Medford, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. 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, Inc.
 Medford, New Jersey
 August 5, 2022