

MINOR MODIFICATION OF A FULL POWER FM STATION LICENSED FACILITY
WRNB (FM)
Media, PA
Facility ID: 25079
Channel 262, Class B
Licensee: Radio One Licenses, LLC
License File Number: BLH-20030424ABN

Urban One, Inc. the parent company of WRNB licensee Radio One Licenses, LLC, submits this application to relocate the WRNB antenna a distance of 105 meters to an existing tower. The tower owner has given Urban One written reasonable assurance of availability.

Allocation considerations of licensed WRNB facility:

Section 73.213:

WRNB was authorized prior to November 16, 1964 at an antenna location that did not fully meet separation distances required by Section 73.207 and has remained continuously short-spaced since that time, with respect to the following stations:

WHTZ, Newark NJ, Facility ID 59953, Channel 262, Class B

WBIG-FM, Washington DC, Facility ID 54459, Channel 262, Class B

WLEV, Allentown PA, Facility ID 39875, Channel 264, Class B

WFVY, Lebanon PA, Facility ID 36878, Channel 261, Class A

Section 73.215:

WRNB is short-spaced to WJRZ-FM, Manahawkin NJ, Facility ID 31078, Channel 261, Class A

Proposal:

WRNB proposed facility protects WHTZ, WBIG-FM, and WFVY from new interference pursuant to Section 73.213. WRNB proposed facility protects WJRZ-FM by not extending WRNB 54 dBu protected contour within WJRZ-FM 48 dBu interfering contour.

Proposed technical facility:

Latitude: 40-01-33.0 West

Longitude: 75-14-32.0 North

Antenna height above ground: 300 meters

Antenna height above sea level 374 meters

Antenna height above average terrain: 302 meters 360 radial Globe terrain

Antenna effective radiated power: 12.5 Kilowatts

Antenna Structure Registration: 1035474

Directional antenna

Interference prevention:

WHTZ, WBIG-FM, and WFVY:

1. Total area and population subject to co-channel or first-adjacent channel interference, caused and received, is maintained or decreased.
2. Area and population subject to co-channel channel interference caused by WRNB to each short-spaced station individually is not increased.
3. Any area predicted to lose service as a result of new co-channel or first-adjacent-channel interference has adequate aural service remaining.

WLEV is a second-adjacent channel to WRNB and is not considered.

WJRZ-FM:

1. Spacing separation distance between WRNB and WJRZ-FM is not reduced, when rounded pursuant to 73.208.
2. WRNB protected 54 dBu contour is not extended within WJRV-FM 48 dBu interfering contour.
3. WRNB 54 dBu interfering contour does not overlap WJRV-FM 60 dBu protected contour.

Environmental:

Proposed facility will be located on an existing tower in an established antenna farm. Using FM Model, the proposed facility produces ground level power density exposure of 5.6 $\mu\text{W}/\text{cm}^2$. This is less than five percent of FCC power density exposure limit applicable to the transmitter of the proposed facility.

Summary:

1. Proposed site relocation is 105 meters.
2. Proposal will cause no increase in interference (population and area) to any short-spaced station. The proposal does not jeopardize another station's ability to serve its listeners.
3. Area of new interference received by WRNB is within service contour of five or more other radio stations.

Greg Strickland
Corporate Engineer
Urban One, Inc.
323-333-2329
August 15, 2022