



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

RELEVANT RADIO, INC.  
1496 BELLEVUE STREET  
SUITE 202  
GREEN BAY WI 54307

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 68956

Call Sign: WVNJ

License File Number: BML-20201014ABK

Grant Date: December 17, 2020

This license expires 3:00 a.m.  
local time, June 01, 2022.

License to modify BMML-20170501ACS to change from commercial to  
non-commercial only, with no other changes.

Subject to the provisions of the Communications Act of 1934, subsequent  
acts and treaties, and all regulations heretofore or hereafter made by  
this Commission, and further subject to the conditions set forth in this  
license, the licensee is hereby authorized to use and operate the radio  
transmitting apparatus herein described.

This license is issued on the licensee's representation that the  
statements contained in licensee's application are true and that the  
undertakings therein contained so far as they are consistent herewith,  
will be carried out in good faith. The licensee shall, during the term of  
this license, render such broadcasting service as will serve the public  
interest, convenience, or necessity to the full extent of the privileges  
herein conferred.

This license shall not vest in the licensee any right to operate the  
station nor any right in the use of the frequency designated in the  
license beyond the term hereof, nor in any other manner than authorized  
herein. Neither the license nor the right granted hereunder shall be  
assigned or otherwise transferred in violation of the Communications Act  
of 1934. This license is subject to the right of use or control by the  
Government of the United States conferred by Section 606 of the  
Communications Act of 1934.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:  
Local Standard Time (Non-Advanced)

|      |         |         |      |         |         |
|------|---------|---------|------|---------|---------|
| Jan. | 7:15 AM | 5:00 PM | Jul. | 4:30 AM | 7:30 PM |
| Feb. | 7:00 AM | 5:30 PM | Aug. | 5:00 AM | 7:00 PM |
| Mar. | 6:15 AM | 6:00 PM | Sep. | 5:30 AM | 6:15 PM |
| Apr. | 5:15 AM | 6:30 PM | Oct. | 6:15 AM | 5:15 PM |
| May  | 4:45 AM | 7:15 PM | Nov. | 6:45 AM | 4:45 PM |
| Jun. | 4:30 AM | 7:30 PM | Dec. | 7:15 AM | 4:30 PM |

Name of Licensee: RELEVANT RADIO, INC.

Station Location: OAKLAND, NJ

Frequency (kHz): 1160

Station Class: B

Antenna Coordinates:

Day

Latitude: N 41 Deg 03 Min 23 Sec

Longitude: W 74 Deg 14 Min 58 Sec

Night

Latitude: N 41 Deg 03 Min 23 Sec

Longitude: W 74 Deg 14 Min 58 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 20.0 Night: 2.5

Antenna Input Power (kW): Day: 21.06 Night: 2.7

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 20.5 Night: 7.3

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

| Tower No. | ASRN |      |
|-----------|------|------|
| 1         | None | 55.8 |
| 2         | None | 55.8 |
| 3         | None | 61   |
| 4         | None | 55.8 |

Night:

| Tower No. | ASRN |      |
|-----------|------|------|
| 1         | None | 55.8 |
| 2         | None | 55.8 |
| 3         | None | 61   |

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 1283.24 Night: 479  
 Standard RMS (mV/m/km): Day: 1348.22 Night: 503.24  
 Augmented RMS (mV/m/km):  
 Q Factor: Day: 44.72 Night: 16.4

Theoretical Parameters:

Day Directional Antenna:

| Tower No. | Field Ratio | Phasing (Deg.) | Spacing (Deg.) | Orientation (Deg.) | Tower Ref Switch * | Height (Deg.) |
|-----------|-------------|----------------|----------------|--------------------|--------------------|---------------|
| 1         | 1.0000      | 0.000          | 0.0000         | 0.000              | 0                  | 76.4          |
| 2         | 1.2600      | 114.000        | 82.4000        | 274.600            | 0                  | 76.4          |
| 3         | 1.0500      | 121.800        | 217.0000       | 208.800            | 0                  | TL/S          |
| 4         | 1.2300      | 16.100         | 181.4000       | 188.100            | 0                  | 76.4          |

\* Tower Reference Switch

0 = Spacing and orientation from reference tower  
 1 = Spacing and orientation from previous tower

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

| Tower No. | A    | B     | C   | D   |
|-----------|------|-------|-----|-----|
| 3         | 83.6 | 26.30 | .00 | .00 |

Theoretical Parameters:

Night Directional Antenna:

| Tower No. | Field Ratio | Phasing (Deg.) | Spacing (Deg.) | Orientation (Deg.) | Tower Ref Switch * | Height (Deg.) |
|-----------|-------------|----------------|----------------|--------------------|--------------------|---------------|
| 1         | 1.0000      | 0.000          | 0.0000         | 0.000              | 0                  | 76.4          |
| 2         | 0.7600      | 136.600        | 82.4000        | 274.600            | 0                  | 76.4          |
| 3         | 0.5290      | 72.300         | 217.0000       | 208.800            | 0                  | TL/S          |

\* Tower Reference Switch

0 = Spacing and orientation from reference tower  
 1 = Spacing and orientation from previous tower

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

| Tower No. | A    | B     | C   | D   |
|-----------|------|-------|-----|-----|
| 3         | 83.6 | 26.30 | .00 | .00 |

Day Directional Operation:

| Twr. No. | Phase (Deg.) | Antenna Monitor Sample Current Ratio |
|----------|--------------|--------------------------------------|
| 1        | 0            | 1                                    |
| 2        | 110.4        | 1.158                                |
| 3        | 118.7        | 0.675                                |

Day Directional Operation:

| Twr. Phase<br>No. (Deg.) | Antenna Monitor<br>Sample Current Ratio |
|--------------------------|---|
| 4 16.1                   | 1.172                                   |

Night Directional Operation:

| Twr. Phase<br>No. (Deg.) | Antenna Monitor<br>Sample Current Ratio |
|--------------------------|---|
| 1 0                      | 1                                       |
| 2 133.4                  | 0.695                                   |
| 3 74.5                   | 0.323                                   |

Antenna Monitor: POTOMAC INSTRUMENTS, MODEL 1901-4

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 Ground System consists of 120 equally spaced, buried, copper radials, each 64.6 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, about the base of each tower.
- 2 Licensee 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.

\*\*\* END OF AUTHORIZATION \*\*\*