



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: 8681

Call Sign: WQOF

Grant Date: October 28, 2022

This license expires 3:00 a.m.
local time, October 01, 2027.

License File Number: BZ-20220823AAA

This application filled to update operating parameters due to the installation of new cellular antennas and feed lines on the center tower of the nighttime directional array.

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

Name of Licensee: RELEVANT RADIO, INC.

Station Location: WASHINGTON, DC

Frequency (kHz): 1260

Station Class: B

Antenna Coordinates:

Day

Latitude: N 38 Deg 59 Min 59 Sec

Longitude: W 77 Deg 03 Min 27 Sec

Night

Latitude: N 38 Deg 59 Min 59 Sec

Longitude: W 77 Deg 03 Min 27 Sec

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

Nominal Power (kW): Day: 35.0 Night: 5.0

Antenna Input Power (kW): Day: 36.9 Night: 5.4

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 27.15 Night: 10.39

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

| Tower No. | ASRN | Overall Height (m) |
|-----------|---------|--------------------|
| 1 | 1042695 | |
| 2 | 1042696 | |

Night:

| Tower No. | ASRN | Overall Height (m) |
|-----------|---------|--------------------|
| 1 | 1042694 | |
| 2 | 1042695 | |
| 3 | 1042696 | |

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 1933.9 Night: 741.1

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 2050.7 Night: 779.7

Q Factor: Day: Night:

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 | 90.0 |
| 2 | 0.5400 | -177.000 | 160.0000 | 145.000 | 0 | 90.0 |

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

| Aug No. | Central Azimuth (Deg. T) | Span (Deg.) | Radiation at Central Azimuth (mV/m @ 1 km) |
|---------|--------------------------|-------------|--|
| 1 | 100.0 | 10.0 | 2583.00 |
| 2 | 145.0 | 10.0 | 3210.90 |

Theoretical Parameters:

Night Directional Antenna:

| Tower No. | Field Ratio | Phasing (Deg.) | Spacing (Deg.) | Orientation (Deg.) | Tower Ref Switch * | Height (Deg.) |
|-----------|-------------|----------------|----------------|--------------------|--------------------|---------------|
| 1 | 1.0000 | 4.000 | 10.0000 | 165.500 | 0 | 90.0 |
| 2 | 0.5550 | 151.300 | 80.0000 | 325.000 | 0 | 90.0 |
| 3 | 0.5550 | -151.300 | 80.0000 | 145.000 | 0 | 90.0 |

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

| Aug No. | Central Azimuth (Deg. T) | Span (Deg.) | Radiation at Central Azimuth (mV/m @ 1 km) |
|---------|--------------------------|-------------|--|
| 1 | 15.0 | 62.0 | 118.00 |
| 2 | 15.0 | 25.0 | 195.00 |
| 3 | 52.0 | 12.0 | 60.00 |
| 4 | 280.0 | 10.0 | 61.20 |

Day Directional Operation:

| Tw. Phase No. (Deg.) | Antenna Monitor Sample Current Ratio |
|-------------------------|---|
| 1 0 | 1 |
| 2 -168.3 | 0.635 |

Night Directional Operation:

| Tw. Phase No. (Deg.) | Antenna Monitor Sample Current Ratio |
|-------------------------|---|
| 1 0 | 1 |
| 2 171 | 0.49 |
| 3 -105 | 0.265 |

Antenna Monitor: POTOMAC INSTRUMENTS MODEL 1901-3

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

| Radial (Deg. T) | Distance From Transmitter (kM) | Maximum Field Strength (mV/m) |
|--------------------|-----------------------------------|----------------------------------|
| 54 | 4.42 | 58.5 |
| 236 | 5.55 | 41.1 |

Night Operation:

| Radial (Deg. T) | Distance From Transmitter (kM) | Maximum Field Strength (mV/m) |
|--------------------|-----------------------------------|----------------------------------|
| 52 | 5.58 | 5.45 |
| 198 | 5.31 | 115 |
| 280 | 4.38 | 5.7 |
| 325 | 3.57 | 63.5 |

Special operating conditions or restrictions:

- 1 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.
- 2 Waiver of 47 CFR Section 73.1560(a) granted to permit licensee to operate with modulation dependent carrier level (MDCL) control technology, which reduces transmitter power at certain modulation levels.

Special operating conditions or restrictions:

- 3 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 59.7 meters in length, except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers.
- 4 Antenna system consists of the skirted and guyed tower #1(C), with the top portion detuned to achieve a 90 degree height, and 90 degree tapered self-supporting towers #2(NW) and #3(SE), using towers #1(C), #2(NW), and #3(SE) at night in that order, and towers #2(NW) and #3(SE) daytime in that order.

5 Daytime Monitoring Point Descriptions

54° - Point located adjacent to the large rock at the dead end of Timberwood Avenue, Silver Spring, MD.

236° - Point located at the curb in front of the entrance walkway for #6401 Garnett Drive, Bethesda, MD.

Nighttime Monitor Point Descriptions:

52° - Point located on northeast edge of the creek, on a line between the corner of the parking area and the west end of the spillway, Burnt Mills West Special Park, Columbia Pike (Rt. 29), Silver Spring, MD.

198° - Point located atop water meter cover located on south side of Fessenden Street, NW, adjacent to stop sign at intersection with 39th Street, NW, Washington, DC.

280° - Point located at end of the entrance walkway where it meets street at 5225 Acacia Avenue, Bethesda, Md.

325° - Point located on the sidewalk in line with storm sewer, southwest of stop sign, exit lane for Kensington Park Retirement Community, 3620 Littledale Road, Kensington, MD.

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*** END OF AUTHORIZATION ***