



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

Official Mailing Address:

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

Authorizing Official:

Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

Facility Id: 6589

Call Sign: WNTD

License File Number: BML-20201013AEK

Grant Date: November 17, 2020

This license expires 3:00 a.m.  
 local time, December 01, 2020.

Noncommercial Education Status

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

Callsign: WNTD

License No.: BML-20201013AEK

Name of Licensee: RELEVANT RADIO, INC.

Station Location: CHICAGO, IL

Frequency (kHz): 950

Station Class: B

Antenna Coordinates:

Day

Latitude: N 41 Deg 51 Min 39 Sec

Longitude: W 87 Deg 41 Min 12 Sec

Night

Latitude: N 41 Deg 38 Min 12 Sec

Longitude: W 87 Deg 33 Min 10 Sec

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

Nominal Power (kW): Day: 1.0 Night: 5.0

Antenna Input Power (kW): Day: 1.0 Night: 5.4

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 7.35 Night: 10.4

Resistance (ohms): Day: 18.5 Night: 50

Non-Directional Antenna: Day

Radiator Height: 85.4 meters; 97.4 deg

Theoretical Efficiency: 346.01 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1011686	

Night:

Tower No.	ASRN	Overall Height (m)
1	1011687	
2	1011688	
3	1011689	
4	1011690	
5	1011691	
6	1011692	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 643.74  
 Standard RMS (mV/m/km):  
 Augmented RMS (mV/m/km): Night: 683.4  
 Q Factor: Night: 30.42

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	86.9
2	2.5130	180.200	120.0000	0.000	0	86.9
3	3.1920	18.000	120.0000	0.000	1	86.9
4	3.0090	-140.100	120.0000	0.000	1	86.9
5	1.7590	59.400	120.0000	0.000	1	86.9
6	0.5930	-100.500	120.0000	0.000	1	86.9

\* 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	65.0	40.0	46.67
2	90.0	15.0	111.00
3	135.0	15.0	272.00
4	152.0	15.0	273.00
5	180.0	20.0	495.00
6	208.0	20.0	350.00
7	270.0	15.0	138.00
8	277.5	15.0	86.80
9	296.0	15.0	140.00

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	45.5	0.203
2	22.9	0.59
3	0	1
4	-156.7	1.019
5	-97.5	0.767
6	-63.3	0.316

Antenna Monitor: POTOMAC INSTRUMENTS AM 19-D(210)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
64	3.09	27.8
90	3.23	54.5
152	4.93	48.4
180	3.7	128
208	3.09	115
270	4.3	23.2
296	5.36	24

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.

## Special operating conditions or restrictions:

## 2 Description of and Field Strength of Monitoring Points:

Direction of 64° True North. Leaving the WNTD site, turn south on Torrance Avenue for 6/10 mile to Dolton Avenue, turn left 1.0 miles to Burnham Avenue. Turn left again for 1.7 miles to 134th Street, then right 1.2 miles to measuring point. The reading is taken on the south side of the road, 2/10mile west of Sheffield Avenue.

Direction of 90° True North. Leaving monitor point 64° proceed east 2/10 miles to Sheffield Avenue. Turn right 8/10 of a mile to 143rd Street, then left to Johnson Street, then left to #4228. The reading is taken in front of the house.

Direction of 152° True North. Leaving the WNTD site turn left on Torrance Avenue and go 2.7 miles to Schrum Road. Turn left 1.8 miles to State Line Road. Turn left for 1/10 miles to measuring location. Reading is taken on west side of road.

Direction of 180° True North. Leaving monitor point 152° proceed back west on Schrum Road. Proceed 1.5 miles to parking lot to Green Lake Pool. Reading is in walk to building.

Direction of 208° True North. Leaving the WNTD site turn left on Torrance Avenue for 1.7 miles to 154th Street. Turn right for 6/10 miles to Merrill Street. Turn left ¼ miles to end of street. Reading is taken across from garage.

Direction 270° True North. Leaving the WNTD site, proceed south Torrance Avenue for ½ mile to Dolton Avenue. Turn right for 2.5 miles to Lincoln Avenue. Turn left to Oak Street. The measurement is taken in front of 14224 Oak Street.

Direction of 296° True North. Leaving the WNTD site, turn right on Torrance Avenue for 1.4 miles to 130th Street. Turn left for 2.7 miles to Eberhart Street. Turn left one block to measuring location. Reading is taken on NW corner of 131st and Eberhart.

3 Daytime Ground System: 120 equally spaced, buried, copper radials about the base of the tower, between 8.2 meters and 64.3 meters in length on the roof of the building, plus a 18.3 meter square ground screen about the base of the tower.

4 Nighttime Ground System: 120 equally spaced, buried, copper radials about the base of each tower, each 76 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded, plus a 7.3 meter square ground screen about the base of each tower.

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