



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: 74579

Call Sign: KXFN

Grant Date: November 23, 2020

This license expires 3:00 a.m.
local time, February 01, 2021.

License File Number: BML-20201013AEO

This license modifies license no.: BZ-20021008ACD
to change from commercial to non commercial 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.	4:45 AM	7:30 PM
Feb.	7:00 AM	5:30 PM	Aug.	5:15 AM	7:00 PM
Mar.	6:15 AM	6:00 PM	Sep.	5:45 AM	6:15 PM
Apr.	5:30 AM	6:30 PM	Oct.	6:15 AM	5:30 PM
May	4:45 AM	7:00 PM	Nov.	6:45 AM	4:45 PM
Jun.	4:30 AM	7:30 PM	Dec.	7:15 AM	4:45 PM

Name of Licensee: RELEVANT RADIO, INC.

Station Location: ST. LOUIS, MO

Frequency (kHz): 1380

Station Class: B

Antenna Coordinates:

	Day
Latitude:	N 38 Deg 45 Min 01 Sec
Longitude:	W 90 Deg 09 Min 46 Sec

	Night
Latitude:	N 38 Deg 31 Min 27 Sec
Longitude:	W 90 Deg 14 Min 17 Sec

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

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

Antenna Input Power (kW): Day: 5.4 Night: 1.08

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.4 Night: 4.55

Resistance (ohms): Day: 50 Night: 52

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1006870	
2	1006871	
3	1006872	

Night:

Tower No.	ASRN	Overall Height (m)
1	1006874	
2	1006875	
3	1006876	
4	1006877	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 764.44 Night: 403.78
 Standard RMS (mV/m/km): Night: 423.11
 Augmented RMS (mV/m/km): Day: 848.15
 Q Factor: Day: 22.36 Night: 12.82

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.5280	-148.500	0.0000	0.000	0	161.0
2	1.0000	0.000	95.0000	20.000	0	161.0
3	0.4030	89.000	190.0000	20.000	0	161.0

* 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	20.0	60.0	490.29
2	50.0	42.6	474.76
3	71.3	42.4	437.45
4	92.5	42.4	400.02
5	130.0	70.0	799.62
6	165.0	70.0	1286.62
7	235.0	70.0	1283.56
8	270.0	70.0	826.40
9	307.5	42.6	376.20
10	328.8	42.3	437.45
11	350.0	42.3	477.01

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	200.0
2	0.7431	4.500	220.0000	92.000	0	200.0
3	0.7750	-103.600	130.0000	325.000	0	200.0

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
4	0.5760	-99.100	220.0000	92.000	1	200.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. Phase No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-145	0.53
3	89	0.4

Night Directional Operation:

Twr. Phase No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-19	0.76
3	-121	0.75
4	-116	0.58

Antenna Monitor: POTOMAC INSTRUMENTS AM-19 204

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)
20	2.9	180.3
92.5	5	60.1
307.5	5.15	67.5

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
56.3	7	15.5
91	5.8	7.6
128.5	6.92	7.95
200	8.85	12
237.5	6.44	14.2
305	9.18	10

Special operating conditions or restrictions:

1 Description of Directional Antenna system:

Day: Three (3) vertical, guyed, series-excited steel radiators of uniform cross section.

Night: Four (4) vertical, guyed, series-excited steel radiators of uniform cross section.

Day: Ground system consists of 120 insulated copper wire radials, equally spaced around each tower, 76.2 m in length except where terminated at the transverse copper strap. The tower base, doghouses and the transmitter building are elevated 6.1 m above ground. An elevated screen mesh consisting of copper clad-wires, 0.30 m on centers, is also installed 6.1 m above ground, 0.91 m below base insulator, on a hexagon 8.5 m on a side, with tower at the center.

Night: Ground system consists of 120 copper wire radials 285 to 300 feet long equally spaced around each tower, terminating ten feet from the fence, except where limited by the transverse copper straps. In addition, a copper wire screen, 48' square, is installed around each tower base and covered with 6 to 8 inches of gravel.

2 DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Day:

Direction of 20 True North- Beginning at the daytime transmitting site, proceed straight out of the driveway and follow the county road 1.3 miles to an abrupt right turn, then follow the county road for another 2.3 miles to a farmer's gravel road on the left side of the road. Turn into the driveway and proceed 350 feet into the gravel road until opposite two large storage tanks on the north side of the levee. At this point, the towers are in alignment. The measurement is made in the center of the farmer's road.

Direction of 92.5 True North- Monitor point is located on State Route 203, 1.5 miles from intersection of Pontoon Avenue and State Route 203. The measurement is made along the east shoulder of the road, ten feet southwest of the speed limit sign and 25 feet southwest of the fireplug.

Direction of 307.5 True North Monitor point is located at the center of the intersection of Bayonne Drive and Placer Drive, 20 feet southeast of the signpost.

Night:

Direction of 56.5 True North- Monitor point is located on State Route 157, 1.3 miles from intersection of State Route 3 and State Route 157. The measurement is made in the shopping center parking lot one isle west of the Goodyear Tire Center and entered on the southern-most garage doors.

Direction of 91 True North. From transmitter site, turn left onto Davis Ferry Road and proceed southeast for 2.3 miles to State Route 3. Turn left and proceed north for 4.3 miles, then continue straight ahead (leaving Route 3) for another 1.9 miles to a fork in the road. Take the right fork and proceed southerly for a distance 1.9 miles to the monitoring point. The measurement is made at the entrance to the driveway on the west side of the road.

Special operating conditions or restrictions:

- 3 Direction of 128.5 True North. - Monitor point is located on Mule Road, 0.15 miles from intersection of State Route 3 and Mule Road, up a steep hill. Proceed easterly for 2.4 miles to the monitor point. The measurement is made along the north shoulder of the road, 20 paces west of the gravel driveway to the farm house.

Direction of 200 True North. From DD Road, turn right on Ramsey Road and proceed north and west 2.0 miles to the intersection with a levee road to the left. Turn left and proceed south 2.4 miles to the intersection with a levee road to the left. Turn left and proceed east for 300 feet to the monitor point. The measurement is made along the north edge of the levee road 300 feet east of the intersection.

Direction of 237.5 True North. Take the Telegraph Road exit off of Westbound Interstate 255 and proceed 0.25 mile south the service road south of I-270. Turn left and proceed east on the service road 0.2 mile to the monitor point. The measurement is made along the north shoulder of the service road 10 feet south of a marked post on the highway fence.

Direction of 305 True North. Monitor points is located on Colleen Avenue, one block from intersection of Ashbury and Hurstgreen. The measurement is made in the center of the intersection.

*** END OF AUTHORIZATION ***