



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 54311

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 10134

Call Sign: KKDD

License File Number: BML-20210305AAL

Grant Date: May 20, 2021

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

This license modifies license no.: BL-19830114AB.

Proposed to change operating status to non-commercial education station.

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

Name of Licensee: RELEVANT RADIO, INC.

Station Location: SAN BERNARDINO, CA

Frequency (kHz): 1290

Station Class: B

Antenna Coordinates:

Day

Latitude: N 34 Deg 07 Min 27 Sec

Longitude: W 117 Deg 14 Min 14 Sec

Night

Latitude: N 34 Deg 07 Min 27 Sec

Longitude: W 117 Deg 14 Min 14 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: 5.0

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

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.4 Night: 10.4

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1014751	
2	1014752	
3	1014753	

Night:

Tower No.	ASRN	Overall Height (m)
1	1014751	
2	1014752	
3	1014753	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 634.4 Night: 643.7

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 668.77 Night: 695.82

Q Factor: Day: 22.36 Night: 22.36

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	3.6360	125.000	90.0000	48.000	0	90.0
3	3.0300	125.000	90.0000	228.000	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	23.0	10.0	148.06
2	28.0	10.0	111.25
3	33.0	10.0	124.08
4	38.0	10.0	131.16
5	43.0	10.0	129.55
6	48.0	10.0	128.75
7	53.0	10.0	129.55
8	58.0	10.0	130.36
9	63.0	10.0	124.08
10	68.0	10.0	111.21
11	73.0	10.0	144.84
12	200.0	16.0	313.82
13	207.5	15.0	290.65
14	214.0	11.0	281.64
15	242.0	11.0	280.51
16	248.5	15.0	290.33
17	256.0	16.0	313.82

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	90.0
2	0.5410	125.000	90.0000	48.000	0	90.0
3	0.5410	-125.000	90.0000	228.000	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	26.0	50.50
2	28.0	26.0	59.20
3	48.0	150.0	96.60
4	65.0	30.0	85.30
5	80.0	30.0	69.20
6	100.0	18.0	120.00
7	110.0	10.0	67.60
8	115.0	10.0	71.60
9	120.0	10.0	78.10
10	281.0	60.0	1046.00
11	334.0	10.0	86.90
12	339.0	10.0	77.20
13	344.0	10.0	70.50
14	349.0	10.0	66.00

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-67.2	0.101
2	0	1
3	4.7	0.857

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-118.7	1.729
2	0	1
3	126.3	0.747

Antenna Monitor: POTOMAC INSTRUMENTS AM-1901

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)
48	2.29	46
67	2.83	32.2
208.5	2.45	90

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
17.5	2.61	20.8
48	2.29	37.6
100	3.7	22.4
339	3.41	17.7

Special operating conditions or restrictions:

- 1 Description of Directional antenna System: Three self-supporting, tapered series excited, vertical steel radiators.

Ground system consists of 120-58.23 m equally spaced buried copper wire radials plus a 9.76 m square ground screen installed at the base of each tower. Intersecting radials are shortened and bonded to transverse copper strap midway between towers.

Special operating conditions or restrictions:

2 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 48° True North: From entrance to antenna site proceed west on East Bessant Street to Rogers Lane. Turn left and proceed south on Rogers Lane one block to Jane Street. Turn right on Jane Street and proceed west 0.16 mile to Sterling Avenue. Turn right on Sterling Avenue and proceed north 0.83 mile to Highland Avenue. Turn right on Highland Avenue and proceed east 1.38 miles to Patton Avenue at the main entrance to Patton State Hospital. Turn left on Patton Avenue and proceed north 0.15 miles to Monitoring Point 2. The point is located at the center of Patton Avenue opposite the north edge of the canteen building. The distant from the transmitter is 2.29 km. The field intensity measured at this point should not exceed 46 mV/m, Daytime and 37.6 mV/m, Nighttime

Direction of 67° True North: From entrance to antenna site proceed west on East Bessant Street to Rogers Lane. Turn left and proceed south on Rogers Lane one block to Jane Street. Turn right on Jane Street and proceed west 0.16 mile to Sterling Avenue. Turn right on Sterling Avenue and proceed north 0.83 mile to Highland Avenue. Turn right on Highland Avenue and proceed east 2.00 miles to Palm Avenue. Turn right on Palm Avenue and proceed south 0.15 mile to 20th Street. Turn right on 20th Street and proceed west two blocks to Reedy Avenue. Turn right and proceed north to Monitoring Point 3 at 2065 Reedy Avenue. The point is located at the sewer cover at the driveway at this address. The distant from the transmitter is 2.83 km. The field intensity measured at this point should not exceed 32.2 V/m, Daytime.

Direction of 208.5° True North: From entrance to antenna site proceed west on East Bessant Street to Rogers Lane. Turn left and proceed south on Rogers Lane one block to Jane Street. Turn right on Jane Street and proceed west 0.16 mile to Sterling Avenue. Turn left on Sterling Avenue and proceed south 1.16 miles to Third Street. Turn right on Third Street and proceed west 0.45 mile to Monitoring Point 5 at 1682 Third Street. The point is located on the north edge of Third Street in front of the gate at this address. The distant from the transmitter is 2.45 km. The field intensity measured at this point should not exceed 90 mV/m. Daytime.

Direction of 17.5° True North: From entrance to antenna site proceed west on East Bessant Street to Rogers Lane. Turn left and proceed south on Rogers Lane one block to Jane Street. Turn right on Jane Street and proceed west 0.16 mile to Sterling Avenue. Turn right on Sterling Avenue and proceed north 0.83 mile to Highland Avenue. Turn right on Highland Avenue and proceed east 0.50 miles to Arden Avenue. Turn left on Arden Avenue and proceed north 0.75 mile to Lynnwood Drive. Turn right on Lynnwood Drive and proceed east 0.31 mile to Monitoring Point 1. The point is located at the sewer cover in the center of Lynnwood Drive. The distant from the transmitter is 2.61 km. The field intensity measured at this point should not exceed 20.8 mV/m. Nighttime.

Direction of 100° True North: From entrance to antenna site proceed west on East Bessant Street to Rogers Lane. Turn left and proceed south on Rogers Lane one block to Jane Street. Turn right on Jane Street and proceed west 0.16 mile to Sterling Avenue. Turn left on Sterling Avenue and proceed south 0.17 mile to Base Line Street. Turn left on Base Line Street and proceed east 2.56 miles to Seine Street. Turn right on Seine Street and proceed south 0.18 mile to Monitoring Point 4 at 7456 Seine Street. The point is located at the south edge of the driveway at this address. The distant from the transmitter is 3.70 km. The field intensity measured at this point should not exceed 22.4 mV/m. Nighttime.

Direction of 339° True North: From entrance to antenna site proceed west on East Bessant Street to Rogers Lane. Turn left and proceed

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Special operating conditions or restrictions:
west on East Bessant Street to Rogers Lane. Turn left and proceed south on Rogers Lane to Jane Street. Turn right on Jane Street and proceed west 0.16 mile to Sterling Avenue. Turn right on Sterling Avenue and proceed north 0.83 mile to Highland Avenue. Turn left on Highland Avenue and proceed west 0.50 mile to Del Rosa Avenue. Turn right on Del Rosa Avenue and proceed 1.12 miles to Eureka Street. Turn right on Eureka Street and proceed east one block to Elmwood Road. Turn left on Elmwood Road and proceed north one block to Toluca Drive. Turn right and proceed east to Monitoring Point 6 at 25352 Toluca Drive. The point is located on the north edge of Toluca Drive at the center of the driveway at this address. The distant from the transmitter is 3.41 km. The field intensity measured at this point should not exceed 17.7 mV/m. Nighttime.

- 3 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.

*** END OF AUTHORIZATION ***