



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: 137401

Call Sign: KMPH

License File Number: BML-20140731ASH

Grant Date: December 03, 2014

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

Modification of license to change from commercial to non-commercial,
 educational 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	5:00 PM	Jul.	4:45 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	7:00 PM	Nov.	6:45 AM	4:45 PM
Jun.	4:45 AM	7:30 PM	Dec.	7:15 AM	4:45 PM

Name of Licensee: RELEVANT RADIO, INC.

Station Location: MODESTO, CA

Frequency (kHz): 840

Station Class: B

Antenna Coordinates:

Day

Latitude: N 37 Deg 42 Min 34 Sec

Longitude: W 120 Deg 43 Min 34 Sec

Night

Latitude: N 37 Deg 42 Min 34 Sec

Longitude: W 120 Deg 43 Min 34 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: 10.39 Night: 10.39

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1015980	
2	1015981	
3	1015982	
4	1015983	

Night:

Tower No.	ASRN	Overall Height (m)
1	1015979	
2	1015980	
3	1015981	
4	1015982	
5	1015983	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 696.2 Night: 743.5

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 731.4 Night: 781.5

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	0.3750	-37.800	78.1000	255.000	0	87.9
2	0.5120	100.000	156.3000	255.000	0	87.9
3	0.9260	128.000	234.4000	255.000	0	87.9
4	1.0000	0.000	219.9000	238.600	0	87.9

* 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	30.0	20.0	468.00
2	300.0	18.0	45.30

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.7960	174.300	0.0000	0.000	0	87.9
2	0.8350	45.700	78.1000	255.000	0	87.9
3	1.0000	0.000	156.3000	255.000	0	87.9
4	0.9710	-105.000	234.4000	255.000	0	87.9
5	0.2660	-172.300	219.9000	238.600	0	87.9

* 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	30.0	40.0	92.40
2	107.0	20.0	36.60

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
3	160.0	20.0	294.00
4	354.5	20.0	96.90

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1		
2	64.8	0.378
3	-174.1	0.622
4	118.8	1.06
5	0	1

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-74.1	0.935
2	-106.9	0.931
3	-163.3	1.152
4	0	1
5	-81.5	0.16

Antenna Monitor: POTOMAC INSTRUMENTS 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)
300	6.84	7.7
333	3.8	9.7

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
30	3.95	15.4
107	2.82	11
160	4.56	69.6
354.5	3.4	30.2

Special operating conditions or restrictions:

1 The daytime array consists of towers #2, #3, #4, #5, referenced in that order.

2 MONITOR POINT DESCRIPTIONS

300° - Point located at 11007 Warnerville Road, 20 feet into driveway at entrance to Foster Farms turkey farm, 6.84 km from site, max 7.7 mV/m daytime.

333° - Point located on Warnerville Road, 0.83 km west of 14207 Warnerville Road, 3.80 km from site, max 9.7 mV/m daytime.

30° - Point located on Warnerville Road, 0.12 km west of the Pausel Lateral, and 56 meters west of the 20 mph warning sign for curves, 3.95 km from site, max 15.4 mV/m nighttime.

107° - Point located at 4331 Tim Bell Road, south of Claribel Road, approximately 100 feet south of the northern end of the house, 2.82 km from site, max 11.0 mV/m nighttime.

160° - Point located on Tim Bell Road west of the point where road turns west at Hazeldean Road, approximately 60 feet west of power pole (18G|Y4|3), 4.56 km from site, max 69.6 mV/m nighttime.

354.5° - Point located on Warnerville Road, 0.47 km east of 14207 Warnerville Road, 3.40 km from site, max 30.2 mV/m nighttime.

*** END OF AUTHORIZATION ***