



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: 48240

Call Sign: WKBM

License File Number: BZ-20040123BEN

Grant Date: May 11, 2004

This license expires 3:00 a.m.
 local time, December 01, 2004.

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	7:00 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	4:30 PM

Callsign: WKBM

License No.: BZ-20040123BEN

Name of Licensee: RELEVANT RADIO, INC.

Station Location: SANDWICH, IL

Frequency (kHz): 930

Station Class: B

Antenna Coordinates:

Day

Latitude: N 41 Deg 36 Min 26 Sec

Longitude: W 88 Deg 27 Min 11 Sec

Night

Latitude: N 41 Deg 36 Min 26 Sec

Longitude: W 88 Deg 27 Min 11 Sec

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

Nominal Power (kW): Day: 2.5 Night: 4.2

Antenna Input Power (kW): Day: 2.7 Night: 4.53

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 7.35 Night: 9.52

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1010522	
2	1010523	
3	1010524	
4	1010525	

Night:

Tower No.	ASRN	Overall Height (m)
1	1010522	
2	1010523	
3	1010524	
4	1010525	
5	1010526	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 467.62 Night: 678.28
 Standard RMS (mV/m/km): Day: 491.28
 Augmented RMS (mV/m/km): Night: 713.5
 Q Factor: Day: 15.81 Night: 36.58

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	78.3
2	1.4900	201.600	94.0000	345.000	0	78.3
3	1.1900	264.700	194.0000	354.000	0	78.3
4	1.3800	146.600	284.0000	357.000	0	78.3

* Tower Reference Switch

- 0 = Spacing and orientation from reference tower
- 1 = Spacing and orientation from previous tower

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	78.3
2	1.8180	215.600	94.0000	345.000	0	78.3
3	1.6950	57.700	194.0000	354.000	0	78.3
4	0.9480	257.900	284.0000	357.000	0	78.3
5	0.2180	117.300	92.0000	142.500	0	67.1

* 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	145.5	10.0	114.00
2	243.0	10.0	156.00

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	159	0.82
2	0	1
3	66	0.81

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
4	-55	0.92

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	154	0.475
2	0	1
3	-156	1.06
4	44	0.588
5	-25.5	0.352

Antenna Monitor: POTOMAC INSTRUMENTS AM19

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)
1	1.29	348.6
139.5	2.25	148.6
232	3.35	26

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
79.5	3.88	16.3
118	4.41	38.8
145.5	4.26	39.6
184	3.62	82
243	3.09	102

Special operating conditions or restrictions:

1 MONITOR POINT DESCRIPTIONS

1°- From transmitter building proceed north on Emmanuel Road, then west on Legion Road 0.58 miles to Highpoint Road, then north 0.57 miles to Route 71, then east on Route 71 for 0.68 miles to M.P. on South side of road 100 feet east of waterway. This is point #10. Daytime

139.5°- From transmitter building proceed north on Emmanuel Road 0.13 miles to Legion Road, then east 0.69 miles to Route 47, then south on Route 47 for 1.57 miles to M.P. on the west side of road. This is point #13. Daytime

232°- From transmitter building proceed north on Emmanuel Road 0.13 miles to Legion Road, then west on Legion Road for 0.58 miles to High Point Road, the southerly 1.65 miles to Helmar Road, then south for 0.35, 100 feet past curve to M.P. This is point #20. Daytime

2 79.5°- From driveway turn left (south) on Immanuel Road. Proceed 0.65 mile on Immanuel then left (east) on Ament Road. Proceed 2.5 miles on Ament, then left (north) on Ashley Road. Proceed on Ashley 1.1 miles to M.P. which is on the west side of the road between the 6th and 7th utility pole from the "T" intersection with Highway 126. This is point #4. Nighttime

118°- From the 79.5° M.P., proceed south for 1.75 miles to M.P. which is 50 yards south of the gravel tractor driveway on the west side of the road. This is point #11. Nighttime

145.5°- From the 118° M.P., proceed south on Ashley Road for 0.8 mile, then right (west) on Walker Road. Proceed 0.9 mile on Walker Road to M.P. which is just west of ingress to west side of barn at Fire Department #8814 on the south side of the road. This point is number #11. Nighttime

184°- From the 145.5° M.P., proceed west on Walker Road for 1.7 miles to M.P. which is west of intersection with Immanuel Road, on north side of the Walker, opposite diamond warning sign warning of intersection. This is point #10. Nighttime

243°- From the 184° M.P., proceed west on walker road for 1.5 miles, then right (north) on Lisbon Road. Proceed 1.3 miles on Lisbon (Lisbon bears northeast after 1.0 mile), then left (northwest) on Highpoint Road. Proceed 0.3 mile on Highpoint road to M.P. which is in front of driveway of Fire Department #8566 opposite side of the road from the driveway. This is point #9. Nighttime

*** END OF AUTHORIZATION ***