

United States of America

FEDERAL COMMUNICATIONS COMMISSION AM BROADCAST STATION LICENSE

Official Mailing Address:

TRI-COUNTY BROADCASTING, INC.

PO DRAWER

101 N. MAIN STREET FOSTORIA, OH 44830

Call Sign: WFOB

License File No.: BL-970718AB

Authorizing Official

man and the

Son Nguyen

Supervisory Engineer AM Branch Audio Services Division Mass Media Bureau

Grant Date:

NOV 6

1997

This license expires 3:00 a.m. Local time, October 1, 2004

This license covers Permit No.: 970626AD

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.	8:00 a.m.	5:30 p.m.	Jul.	5:15 a.m.	8:00 p.m.
Feb.	7:30 a.m.	6:00 p.m.	Aug.	5:45 a.m.	7:30 p.m.
Mar.	6:45 a.m.	6:45 p.m.	Sep.	6:15 a.m.	6:45 p.m.
Apr.	6:00 a.m.	7:15 p.m.	Oct.	6:45 a.m.	6:00 p.m.
_	5:15 a.m.	7:45 p.m.	Nov.	7:15 a.m.	5:15 p.m.
Jun.	5:00 a.m.	8:15 p.m.	Dec.	7:45 a.m.	5:00 p.m.

Licensee: TRI-COUNTY BROADCASTING, INC.

Station Location: FOSTORIA, OH

Frequency (kHz): 1430

Station Class: B

Transmitter Location:

OH - 1407 U.S. 23 South, 5.6 km South of Fostoria, Ohio

Latitude:

N 41° 6' 6"

Longitude:

W 83° 23' 59"

Main Studio Location: (See Section 73.1125)

OH - 101 N. MAIN STREET, FOSTORIA

Nominal Power (kW):

Day: 1.0

Night: 1.0

Antenna Input Power (kW): Day: 1.080

Night: 1.080

Antenna Mode:

Day: DA

Night: DA

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

Current (amperes):

Day: 4.65

Night: 4.65

Resistance (ohms):

Day: 50.00

Night: 50.00

Antenna Description:

Three (3) vertical, guyed, series-excited steel radiators of uniform triangular cross section. A four bay FM antenna is sidemounted near the top of tower #2(C).

Ground System Description:

120 equally spaced, buried, copper radials 61 meters in length, except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, about the base of each tower.

Antenna Registration Number(s):

Daytime:

Twr	No.	ASRN
T 44 T	TAO.	HOLL

None (Overall Height = 59.8 m)

2 1020708

3 None (Overall Height = 60.7 m)

Nighttime:

Twr	No.	ASRN					
1		None	(Overall	Height	=	59.8	m)
2		10207	708				
3		None	(Overall	Height	=	60.7	m)

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m @ 1km): Day: 331.52 Night: 342.79

Augmented RMS (mV/m @ 1km): Day: 348.49 Night: 365.43

Q Factor: Day: 10.09 Night: 12.76

Theoretical Parameters:

Daytime Directional Antenna:

Tower	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref. Switch *	Height (Deg.)
1	1.0000	0.000	0.000	0.000	0	105.0
2	1.0350	114.100	100.000	162.000	0	105.0
3	0.5230	-81.300	200.000	162.000	0	105.0

^{*} Tower Reference Switch:

Augmentation Parameters

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1.	134.0	14.0	45.06
2.	141.0	14.0	28.97
3.	151.5	21.0	38.62
4.	243.5	15.0	225.23
5.	251.0	10.0	225.31

^{0 =} Spacing and orientation from reference tower

^{1 =} Spacing and orientation from previous tower

Nighttime Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref. Switch *	Height (Deg.)
1	0.5260	-156.000	0.000	0.000	0	105.0
2	1.0000	4.000	100.000	162.000	0	105.0
3	0.5260	156.000	200.000	162.000	0	105.0

^{*} 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.	49.0	66.0	228.53
2.	49.0	10.0	241.40
3.	105.5	10.0	67.45
4.	228.0	10.0	37.01
5.	239.5	23.0	43.45
6.	251.0	10.0	37.82
7.	297.0	90.0	497.29

Operating Parameters:

Daytime Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio	Antenna Base Current Ratio
1	-103.00	0.761	1.000
2	0.00	1.000	1.300
3	130.50	0.503	0.650

Nighttime Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio	Antenna Current	
1 2	-157.50 0.00	0.542 1.000		0.550
3	136.50	0.615		0.610

Antenna Monitor: Delta Electronics DAM-1

Sampling System Approved Under Section 73.68(b) of the Rules.

Monitoring Points:

Daytime Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
79.0	2.57	63.00
141.0	2.49	10.00
251.0	2.86	62.00

Nighttime Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
49.0	2.57	66.00
105.0	3.86	11.80
228.0	3.94	. 11.60
251.0	2.86	15.30

Special Operating Conditions or Restrictions:

None Required

*** END OF AUTHORIZATION ***

The below listed contracts are available for inspection upon request. Copies will be provided within 7 business days:

- 1.) TCB Holdings Inc. articles of incorporation established September of 1997
- 2.) The Roppe Holding Corporation articles of incorporation established March 1999