



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

SPIRIT BROADCASTING LLC
P.O. BOX 1330
WILLOUGHBY OH 44096

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: January 03, 2003

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

Facility Id: 26221

Call Sign: WINT

License File Number: BL-20011219AAU

This License Covers Permit No.: BP-20020606AAK

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: Daytime with Secondary nighttime

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	7:45 AM	5:15 PM	Jul.	5:00 AM	8:00 PM
Feb.	7:15 AM	6:00 PM	Aug.	5:30 AM	7:30 PM
Mar.	6:45 AM	6:30 PM	Sep.	6:00 AM	6:30 PM
Apr.	5:45 AM	7:00 PM	Oct.	6:30 AM	5:45 PM
May	5:00 AM	7:45 PM	Nov.	7:15 AM	5:00 PM
Jun.	4:45 AM	8:00 PM	Dec.	7:45 AM	5:00 PM

Callsign: WINT

License No.: BL-20011219AAU

Name of Licensee: SPIRIT BROADCASTING LLC

Station Location: WILLOUGHBY, OH

Frequency (kHz): 1330

Station Class: D

Antenna Coordinates:

Day

Latitude: N 41 Deg 38 Min 57 Sec

Longitude: W 81 Deg 25 Min 25 Sec

Night

Latitude: N 41 Deg 38 Min 57 Sec

Longitude: W 81 Deg 25 Min 25 Sec

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

Nominal Power (kW): Day: 0.50 Night: 0.042

Antenna Input Power (kW): Day: 0.54 Night: 0.045

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 3.29 Night: 0.95

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1233870	
2	1233871	
3	1233872	
4	1233873	

Night:

Tower No.	ASRN	Overall Height (m)
1	1233870	
2	1233871	
3	1233872	
4	1233873	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 209.21 Night: 60.63

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 222.29 Night: 64.43

Q Factor: Day: Night:

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	0.6100	-17.400	230.0000	275.000	0	90.0
3	0.7000	-49.000	160.0000	290.000	0	90.0
4	0.4270	-66.400	230.0000	275.000	1	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	2.0	66.0	486.02
2	55.0	40.0	51.50
3	135.0	60.0	42.65

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	0.6100	-17.400	230.0000	275.000	0	90.0
3	0.7000	-49.000	160.0000	290.000	0	90.0
4	0.4270	-66.400	386.7720	281.146	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	2.0	66.0	140.90
2	55.0	40.0	14.90

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
3	135.0	60.0	12.40

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	53	0.98
2	34	0.85
3	0	1
4	-2	0.63

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	53	0.98
2	34	0.85
3	0	1
4	-2	0.63

Antenna Monitor: GORMAN-REDLICH CM(3-239)

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)
75	2.82	14.2
105	4.43	18.8
135	4.83	4.9
245	4.99	19.1
275	2.9	30.5
295	2.86	22

Special operating conditions or restrictions:

- 1 The permittee/licensee must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

Special operating conditions or restrictions:

2 DESCRIPTION OF MONITORING POINTS:

Direction of 75 degrees true North. From the WELW transmitter building, proceed out the WELW driveway to Stevens Boulevard. Turn left and proceed east 0.2 miles to Ben Hur Street. Turn right and proceed south 0.5 miles to Vine Street. Turn right and proceed west 0.1 miles to the eastbound ramp of Ohio Route 2. Turn right and proceed north and east on Route 2 2.1miles to the point. The point is located 10 feet south of the pavement at the Mentor Corporation limit sign and lies 1.75 miles from the antenna.

Direction of 105 degrees true North. From the WELW transmitter building, proceed out the WELW driveway to Stevens Boulevard. Turn left and proceed east 0.2 miles to Ben Hur Street. Turn right and proceed south 0.5 miles to Vine Street. Turn right and proceed west 0.1 miles to the eastbound ramp of Ohio Route 2. Turn right and proceed north and east on Route 2 2.35miles to Ohio Route 306. Turn right and proceed south on Route 306 1.7 miles to the point . The point is located in the middle of the parking lot for the Days INN Motel, midway between the motel and the adjacent service station, and lies 2.75 miles from the antenna.

Direction of 135 degrees true North. From the WELW transmitter building, proceed out the WELW driveway to Stevens Boulevard. Turn left and proceed west 0.2 miles to Ben Hur Street. Turn right and proceed south 0.5 miles to Vine Street. Turn right and proceed west 0.1 miles to the eastbound ramp of Ohio Route 2. Turn right and proceed north and east 2.35 miles to Ohio Route 306. Turn right and proceed south 2.1 miles to Markel Road. Turn right and proceed southwest 1.4 miles to the point. The point is located on the southeast side of the road, 90 feet east of the driveway to 7250 Markel Road and lies 3.0 miles from the antenna.

3 Direction of 245 degrees true North. From the WELW transmitter building, proceed out the WELW driveway to Stevens Boulevard. Turn right and proceed east 1.9 miles to Lakeshore Boulevard. Turn left and proceed southwest 2.2 miles to East 293rd Street. Turn left and proceed southeast 0.15 miles to the point. The point is located at the intersection of the sidewalk and the walkway to 341 East 293rd Street and lies 3.1 miles from the antenna.

Direction of 275 degrees true North. From the WELW transmitter building, proceed out the WELW driveway to Stevens Boulevard. Turn right and proceed east 1.9 miles to Lakeshore Boulevard. Turn left and proceed southwest 0.45 miles to East 332nd Street. Turn left and proceed southeast 0.2 miles to the point. The point is located beside the fire hydrant in front of 641 East 332nd Street and lies 1.8 miles from the antenna.

Direction of 295 degrees true North. From the WELW transmitter building, proceed out the WELW driveway to Stevens Boulevard. Turn right and proceed east 1.9 miles to Lakeshore Boulevard. Turn right and proceed northeast 0.2 miles to the point. The point is located on the northwest side of the street in front of 34007 Lakeshore Boulevard and lies 1.78 miles from the antenna.

Special operating conditions or restrictions:

4 Ground System:

The ground system consists of 120 equally spaced, buried, copper radials about the base of each tower 51.2 meters in length about tower number 2 and 51.2 meters in length about tower number 1, 3, and 4 except where terminated by property boundaries. Intersecting radials are shortened and bonded to transverse copper straps, midway between towers.

*** END OF AUTHORIZATION ***