

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

File No. : BS-1989-S

Call Sign : WEXW  
WSPY

FAC-ID 69700

LICENSEE:  
VALLEY COMMUNICATIONS, INC.

Community of License : Geneva, IL  
Transmitter location : 1215 Fern Ave  
St. Charles, IL 60174

North latitude : 41 ° 54 ' 25 "  
West longitude : 88 ° 17 ' 43 "

Antenna and ground system: Attached

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

4. Main Studio location: (See Section 73.1125)

1215 Fern Ave  
St. Charles, IL 60174

5. Remote control location:

Obstruction marking and lighting specifications - FCC Form 715, paragraphs: None Required

Frequency : 1480 KHz

Nominal power (kW) : 1.0 Day 0.5 Night

Antenna input power (kW):

1.08 Day ☐ Non-directional antenna:  
☒ Directional antenna : current 4.6 amperes; resistance 51 ohms.

0.54 Night ☐ Non-directional antenna:  
☒ Directional antenna : current 3.25 amperes; resistance 51 ohms.

Hours of operation: Specified in Previous authorized

Conditions :

2-15-91 - Superseded to correct MP descriptions, common point values and operating parameters.

2-27-91 - Superseded to correct tower spacing Page 2.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission rules thereunder, and further subject to conditions set forth in this license, the LICENSEE is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 AM. Local Time

December 1, 1996

The Commission reserves the right during said license period of terminating this license or making effective any change, or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated not held, prior to the commencement of this license period.

The license is issued on the licensee's representation that the statements contained in the 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 and 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, as amended. 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, as amended.



File No. BS-1989-S

Call Sign: WFXW  
WSPY

FNC ID: 69700  
Date: 8-22-89

1. DESCRIPTION OF DIRECTION ANTANNA SYSTEM

No. and Type of Elements: Five (5) uniform cross-section, guyed, series-excited, vertical steel radiators.

Height above Insulators: 160°(87°)

Overall Height: 164

Spacing and Orientation: Towers #1, #2, #4 & #5 at verticals of a parallelogram with the long sides spaced 203.2' (110°) on oriented 101.5° true. Short sides spaced 147.8' and oriented 31.5 true. Tower #3 is in line with East row of towers spaced 147.8'

Ground System consists of: 120-150' buried copper radials about the base of each tower. Radials, where overlapped, shortened and bonded.

Non-Directional Antenna: None Used.

2. THEORETICAL SPECIFICATIONS

	TOWER	SW(#1)	NW(#2)	S(#3)	EC(#4)	NE(#5)
Phasing:	Night			-9.5°	+180°	+9.5°
	Day	0°	+148°	--	+87°	-125°
Field Ratio:	Night			0.94	1.62	1.0
	Day	1.0	0.88	--	0.85	0.75

3. OPERATING SPECIFICATIONS

Phase Indication:\*

Night			-57.2°	0°	57°
Day	31.5°	61.6°	--	0°	22.6°

Antenna Base Current Ratio:

Night			0.644	1.00	0.747
Day	1.129	1.173	--	1.00	0.863

Antenna Monitor Sample

Current Ratio:

Night			0.649	1.00	0.680
Day	1.432	1.202	--	1.00	0.824

\* As indicated by Potomac Instruments AM-19 (204) Antenna Monitor.

ANTENNA SAMPLING APPROVED UNDER SECTION 73.68(B) OF THE RULES

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINT

Direction of 6° TRUE NORTH. Proceed west 0.2 miles (3.5 blocks) from the transmitter building at 1215 Fern Avenue to a "T"-intersection at Seventh Avenue. Turn right (north) and go 0.71 miles to a "T"-intersection at State Avenue. Turn left (west) and go 0.07 miles (2 blocks) to Illinois Route 25 (Fifth Avenue, stop sign). Turn right (north) and go 1.48 miles to Country Club Road. Turn right (east) and go 0.8 miles to Nelson Drive. Turn left (north) and go 160 feet. The measuring location is on the center line of Nelson Drive, opposite a "No Outlet" sign. The distance from the antenna site is 2.2 miles. The field intensity measured at this point should not exceed 48.0 mV/m, Daytime.

Direction of 80° TRUE NORTH. Proceed west 200 feet from the transmitter building at 1215 Fern Avenue to Twelfth Avenue. Turn right (north) and go 0.1 miles (1 block) to Madison Avenue (stop sign). Turn right (east) and go 0.35 miles to Tyler Road (stop sign). Turn right (south, Tyler will curve to the east) and go 0.75 miles to Kirk Road (traffic signal). Turn left (north) and go 0.08 miles (1 block) to Swenson Avenue. Turn right (east) and go 0.76 miles to a "T"-intersection at Kautz Road. Turn left (north) and go 0.3 miles. The measuring location is on the center line of Kautz Road, opposite a private-access road for an airport equipment shed. The distance from the antenna site is 1.75 miles. The field intensity measured at this point should not exceed 7.2 mV/m, Daytime.

Direction of 100° TRUE NORTH. Proceed west 200 feet from the transmitter building at 1215 Fern Avenue to Twelfth Avenue. Turn right (north) and go 0.1 miles (1 block) to Madison Avenue (stop sign). Turn right (east) and go 0.35 miles to Tyler Road (stop sign). Turn right (south, Tyler will curve to the east) and go 0.75 miles to Kirk Road (traffic signal). Turn left (north) and go 0.08 miles (1 block) to Swenson Avenue. Turn right (east) and go 0.76 miles to a "T"-intersection at Kautz Road. Turn right (south) and go 0.3 miles to Toni Street. Turn right (west) and go 225 feet. The measuring location is on the center line of Toni Street, opposite the front door of the second house on the north side of the street (33W040 Toni Street). The distance from the antenna site is 1.75 miles. The field intensity measured at this point should not exceed 11.5 mV/m, Daytime.

Direction of 101.5° TRUE NORTH. Proceed west 200 feet from the transmitter building at 1215 Fern Avenue to Twelfth Avenue. Turn right (north) and go 0.1 miles (1 block) to Madison Avenue (stop sign). Turn right (east) and go 0.35 miles to Tyler Road (stop sign). Turn right (south, Tyler will curve to the east) and go 0.75

miles to Kirk Road (traffic signal). Turn left (north) and go 0.08 miles (1 block) to Swenson Avenue. Turn right (east) and go 0.76 miles to a "T"-intersection at Kautz Road. Turn right (south) and go 0.36 miles to Bonnie Street. Turn right (west) and go 230 feet. The measuring location is on the south shoulder of Bonnie Street, opposite the front door of the second house on the north side of the street (33W046 Bonnie Street). The distance from the antenna site is 1.75 miles. The field intensity measured at this point should not exceed 6.8 mV/m, Nighttime.

Direction of 121° TRUE NORTH. Proceed west 0.2 miles (3.5 blocks) from the transmitter building at 1215 Fern Avenue to a "T"-intersection at Seventh Avenue (becomes East Side Drive in Geneva). Turn left (south) and go 1.5 miles to Illinois Route 38 (State Street, traffic signal). Turn left (east) and go 2.4 miles to Kress Road (traffic signal). Turn left (north) and go 0.35 miles. The measuring location is on the east shoulder of the road, 80 feet south of a long tree-lined driveway on the west side (0N758 Kress Road). The distance from the antenna site is 3.15 miles. The field intensity measured at this point should not exceed 6.5 mV/m, Daytime.

Direction of 134° TRUE NORTH. Proceed west 200 feet from the transmitter building at 1215 Fern Avenue to Twelfth Avenue. Turn right (north) and go 0.1 miles (1 block) to Madison Avenue (stop sign). Turn right (east) and go 0.35 miles to Tyler Road (stop sign). Turn right (south, Tyler will curve to the east) and go 0.75 miles to Kirk Road (traffic signal). Turn right (south) and go 0.96 miles. The measuring location is 20 feet east of Kirk Road and 20 feet north of the north end of a crescent shaped private-residence driveway. The distance from the antenna site is 1.3 miles. The field intensity measured at this point should not exceed 14.3 mV/m, Daytime.

Direction of 151.5° TRUE NORTH. Proceed west 0.2 miles (3.5 blocks) from the transmitter building at 1215 Fern Avenue to a "T"-intersection at Seventh Avenue (becomes East Side Drive in Geneva). Turn left (south) and go 1.5 miles to Illinois Route 38 (State Street, traffic signal). Turn left (east) and go 0.38 miles to Glen Garry Drive (traffic signal). Turn left (north) and go 0.05 miles to the southern entrance of a town-house parking lot, 25 feet north of Executive Place. Turn right (east) and go to the east end of the parking lot. The measuring location is on the southeast wing of the parking lot's center median, equidistant to the fire hydrant in the northeast wing. The distance from the antenna site is 1.5 miles. The field intensity measured at this point should not exceed 7.9 mV/m, Nighttime.

Direction of 211.5° TRUE NORTH. Proceed west 0.2 miles (3.5 blocks) from the transmitter building at 1215 Fern Avenue to a "T"-intersection at Seventh Avenue. Turn left (south) and go 0.4 miles to Fifth Place (95 feet past Beatrice Avenue). Turn right (west, Fifth Place immediately bends south) and go 0.26 miles (3

blocks) to Division Street (stop sign, divides Saint Charles and Geneva). Turn right (west) and go 0.19 miles (4 blocks) to a "T"-intersection at Bennett Street (Riverside Avenue in Saint Charles). Turn left (south) and go 0.78 miles to Illinois Route 38 (State Street, traffic signal). Turn right (west) and go 0.2 miles to Illinois Route 31 (First Street, traffic signal). Turn right (north) and go 0.27 miles (4 blocks) to Stevens Street. Turn left (west) and go 0.13 miles (2 blocks) to Wheeler Park entrance (just past cemetery). Turn right (north) into Wheeler Park and park in the first available space. Walk east toward the tennis courts. The measuring location is on the east-west blacktop path 15 feet west of where it intersects with a path leading to bleacher seating on the west side of the courts. The distance from the antenna site is 1.1 miles. The field intensity measured at this point should not exceed 115 mV/m, Nighttime.

Direction of 291.5° TRUE NORTH. Proceed west 0.2 miles (3.5 blocks) from the transmitter building at 1215 Fern Avenue to a "T"-intersection at Seventh Avenue. Turn right (north) and go 0.52 miles to Illinois Avenue. Turn left (west) and go 0.52 miles to Third Street (stop sign, across river). Turn right (north) 0.18 miles (3 blocks) to Cedar Street. Turn left (west) and go 0.1 miles (2 blocks) to Fifth Street (stop sign). Turn left (south) and park in the first available space on the left. Walk toward the center of Lincoln Park. The measuring location is on the northwest diagonal sidewalk in the park, 30 feet (6 concrete sidewalk sections) northwest of the Gazebo's patio. The distance from the antenna site is 1.3 miles. The field intensity measured at this point should not exceed 33.0 mV/m, Nighttime.

Direction of 325° TRUE NORTH. Proceed west 0.2 miles (3.5 blocks) from the transmitter building at 1215 Fern Avenue to a "T"-intersection at Seventh Avenue. Turn right (north) and go 0.71 miles to a "T"-intersection at State Avenue. Turn left (west) and go 0.07 miles (2 blocks) to Illinois Route 25 (Fifth Avenue, stop sign). Turn right (north) and go 0.5 miles to the north entrance of Delnor Hospital's parking lot. Turn left (west) into the parking lot and go 120 feet. The measuring location is 30 feet south of the flag pole. The distance from the antenna site is 1.3 miles. The field intensity measured at this point should not exceed 23.5 mV/m, Daytime.