

Comprehensive Engineering Exhibit

Minor Modification

WXXR, Fredericktown, Ohio

Facility ID No. 50121

November 27, 2007

This application seeks to move WXXR to a location 136 meters above ground level, on a tower identified by antenna structure registration number 1019222.

From this location the facility will be spaced in accordance with Section 73.207 to all known allocations, authorizations, and applications with the exception of WPKO-FM, WKDD, and WNCX. With respect to WPKO-FM and WKDD spacing under the provision of 73.213(c) is requested. A spacing table is provided below which demonstrates compliance with the table provided in 72.213(c)(1). With respect to WNCX, spacing under the provisions of 73.215 is requested. A map is provided demonstrating no prohibited contour overlap will occur.

Operation at the proposed location and height will not allow for full 3 kW effective radiated power, the web page "FM Power" was utilized to determine the requested 860 watts. To provide contour protection to WNCX this application request use of a directional antenna. A directional antenna will be employed to prevent prohibited contour overlap.

The Proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The proposed antenna system is an EPA type 3, 1- bay, full wave spaced, "Roto- tiller" antenna, mounted with its center of radiation 136 meters above ground level, and will operate with an effective radiated power of 0.86 Kilowatts in both the horizontal and vertical planes. At 2 meters above ground, at 134 meters from the base of the tower, this proposal will contribute worst case, 0.71 microwatts per square centimeter, or 0.07 percent of the allowable ANSI limit for controlled exposure, and 0.35 percent of the allowable limit for uncontrolled exposure. This figure is less than 5% of the applicable FCC exposure limit at all locations extending out from the base of the tower. Section 1.1307(b)(3) excludes applications when the calculated level is predicted to be less than 5% of the applicable exposure limit. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission.

Further, the applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The site itself is restricted from public

access. The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.

Spacing study utilizing 72.213(c)(1).

ComStudy 2.2 search of channel 252 (98.3 MHz Class A3) at 40-34-58.0 N, 82-28-25.0 W.

Callsign	State	City	Freq	Channel	ERP_w	Class	Status	Dist_km	Sep	Clr
WNCX	OH	CLEVELAND	98.5	253	16000	B	LIC	104.43	105	-0.6
WNCX	OH	CLEVELAND	98.5	253	18000	B	LIC	104.43	105	-0.6
WKDD	OH	CANTON	98.1	251	50000	B	LIC	105.54	105	0.5
WKDD	OH	MUNROE FALLS	98.1	251	50000	B	APP	105.54	105	0.5
WKDD	OH	MUNROE FALLS	98.1	251	0	B	RSV	105.54	105	0.5
WKDD	OH	MUNROE FALLS	98.1	251	50000	B	APP	105.54	105	0.5
WKDD	OH	MUNROE FALLS	98.1	251	0	B	RSV	106.72	105	1.7
WKDD	OH	CANTON	98.1	251	0	B	USE	107.24	105	2.2
WKDD	OH	CANTON	98.1	251	2250	B	LIC	107.24	105	2.2
WYKL	OH	CRESTLINE	98.7	254	1800	A	LIC	31.7	27	4.7
WYKL	OH	CRESTLINE	98.7	254	0	A	USE	31.64	27	4.6
WPKO-FM	OH	BELLEFONTAINE	98.3	252	1750	A	LIC	109.5	105	4.5
WPKO-FM	OH	BELLEFONTAINE	98.3	252	0	A	USE	109.5	105	4.5

73.215 Contour Map

