

**Allocation Study****1. Compliance with 47 C.F.R. 73.207**

The proposed facility meets all minimum distance separation requirements with regard to co-channel, first, second, or third adjacent channel stations, and those separated by 53/54 channels, except the license of WMOJ Channel 235B, Fairfield, Ohio (FIN 73369). The proposed facility is 8.45 kilometers short-spaced to WMOJ.

This application proposes contour protection for WMOJ according to the guidelines of 47 C.F.R. 73.215. 47 C.F.R. 73.215(e) states that the minimum separation requirement between a class A and a class B facility, which are co-channel, is 143 km. Exhibit 14-B shows that WMOJ is separated from the proposed facility by 169.55 km.

Therefore, the proposed facility is permitted to use contour protection toward the short-spaced facility (See Exhibit 17 for compliance with contour protection requirements).

**Exhibit Index:**

- Exhibit 14-B shows the spacing at the proposed site.
- Exhibit 17 shows the protected and interfering contours, in all directions, for the proposed operation.
- Exhibit 17-A Protected and interfering contours, over pertinent arcs, of WMOJ Channel 235B, Fairfield, Ohio (FIN 73369).  
Note that WMOJ contours are calculated as 50 kw at 150m HAAT.

# Educational Media Foundation

Exhibit 14-B

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

South Webster, OH

## Proposed Site Spacing

REFERENCE		DISPLAY DATES
38 42 31 N.	CLASS = A	DATA 07-05-05
82 40 15 W.	Current Spacings	SEARCH 07-11-05
----- Channel 235 - 94.9 MHz -----		

Call	Channel	Location		Azi	Dist	FCC	Margin
WSNA	LIC 235A	South Webster	OH	323.0	7.27	115.0	-107.73
WMOJ	LIC 235B	Fairfield	OH	289.4	169.55	178.0	-8.45
WXIL	LIC 236B	Parkersburg	WV	59.6	119.82	113.0	6.82
WLGCFM	LIC 289C3	Greenup	KY	232.1	20.43	12.0	8.43
WKLWFM	LIC 234C3	Paintsville	KY	186.4	102.04	89.0	13.04
WFLEFM	LIC-N 236A	Flemingsburg	KY	247.6	85.67	72.0	13.67
WQHY	LIC 238C	Prestonsburg	KY	183.8	112.66	95.0	17.66
WKKJ	LIC-Z 232B1	Chillicothe	OH	338.0	74.65	48.0	26.65
WKKJ.C	CP -Z 232B1	Chillicothe	OH	338.0	74.65	48.0	26.65
WSNY	LIC 234B	Columbus	OH	347.8	143.50	113.0	30.50
WHOKFM	LIC-D 238B	Lancaster	OH	359.8	107.34	69.0	38.34
WZJO	LIC 233B1	Dunbar	WV	111.0	88.58	48.0	40.58
WSLCFM	LIC 235C	Roanoke	VA	126.5	277.68	226.0	51.68
RDEL	DEL 235C	Greenville	TN	180.4	292.16	226.0	66.16
WAEZ	LIC-D 235C	Greeneville	TN	180.4	292.16	226.0	66.16