

## **Channel Study**

### **Compliance with 47 C.F.R. 73.207**

Exhibit 18-B shows that the proposed WOHA 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 licensed facilities of the following stations:

Station	Channel	City of License	Facility ID	Distance Short-Spaced
WKST	241B	Pittsburgh, Pa	65678	3.3km
WAKZ	240A	Sharpsville, Pa	74468	0.7km

This application proposes contour protection (47 C.F.R. 73.215. 47 C.F.R. 73.215(e)) for WKST and WAKZ.

The minimum separation requirement between a class A and a class B facility (WOHA and WKST), which are co-channel, is 143 km. Exhibit 18-B shows that WKST is separated from the proposed facility by 174.73 km.

The minimum separation requirement between a class A and a class A facility (WOHA and WAKZ), which are first adjacent channels, is 49 km. Exhibit 18-B shows that WAKZ is separated from the proposed facility by 71.28 km.

Therefore, the proposed facility is permitted to use contour protection toward the short-spaced facilities (See Exhibit 20 for compliance with contour protection requirements).

## Site Spacing

REFERENCE					DISPLAY DATES			
41 49 43.8 N.					CLASS = A Int = A			
80 49 27.7 W.					Current Spacings to 3rd Adj.			
----- Channel 241 - 96.1 MHz -----					DATA 12-12-16			
					SEARCH 12-16-16			
Call		Channel	Location		Azi	Dist	FCC	Margin
WOHA	LIC-N	241A	Ashtabula	OH	338.0	2.10	115.0	-112.9
CFPL-FM-AAX	-D	240C1	London	ON	344.0	129.64	168.0	-38.4
CFPL-FM	OP	-D 240C1	London	ON	344.0	129.64	168.0	-38.4
CFPL-FM-AAX		240C1	London	ON	345.1	132.97	168.0	-35.0
CFPL-FM-AUX		240C1	London	ON	345.1	132.97	168.0	-35.0
	APP	240C1	London	ON	344.0	129.68	133.0	-3.3
WKST-FM	LIC	241B	Pittsburgh	PA	155.3	174.73	178.0	-3.3
WAKZ	LIC	240A	Sharpsville	PA	162.1	71.28	72.0	-0.7
WFHM-FM	LIC	238B	Cleveland	OH	232.4	70.21	69.0	1.2
WXNM-LP	LIC	240L1	Erie	PA	66.2	70.19	56.0	14.2
WMSX	LIC	241B	Buffalo	NY	53.1	199.05	178.0	21.1
WAKS	LIC-N	243B	Akron	OH	227.7	90.24	69.0	21.2
WOVU-LP	CP	240L1	Cleveland	OH	239.3	77.42	56.0	21.4
NEW	CP -Z	240A	Mina	NY	64.8	97.73	72.0	25.7
WCFI-LP	LIC	241L1	Cuyahoga Falls	OH	216.7	94.75	67.0	27.8
WUTT-LP	CP	238L1	Erie	PA	66.7	63.14	29.0	34.1
WKFM	LIC	241A	Huron	OH	247.6	150.61	115.0	35.6
W225BZ	APP	242D	Erie	PA	63.6	69.65	34.0	35.7
WKQW-FM	LIC	242A	Oil City	PA	116.2	107.96	72.0	36.0
WLLF	LIC	244A	Mercer	PA	141.5	73.32	31.0	42.3
CBC242-FMAL		241B	Walkerton	ON	353.1	253.13	210.0	43.1
WFSN-LP	LIC	244L1	Union City	PA	84.2	81.62	29.0	52.6
CJWF-FM	OP	-D 240B1	Windsor	ON	282.7	183.48	119.0	64.5
CFMZ-FM	OP	-D 242C1	Toronto	ON	29.7	234.11	168.0	66.1

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Reference station has protected zone issue: Canada