

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 41 49 43.8 N. CLASS = A Int = A DISPLAY DATES DATA 12-12-16
 80 49 27.7 W. Current Spacings to 3rd Adj. SEARCH 12-16-16
 ----- Channel 241 - 96.1 MHz -----

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
WCFL-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

 Reference station has protected zone issue: Canada