

Spacing Study

Compliance with 47 C.F.R. 73.207

As seen in Exhibit 18-A, 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 licensed facilities of the following stations:

Station	Channel	City of License	Facility ID	Distance Short-Spaced
WILQ	286B	Williamsport, PA	52192	3.1km
WRKT	285B1	Northeast, PA	55063	2.8km

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

The minimum separation requirement between a class A and a class B facility (WEKV.P and WILQ), which are co-channel, is 143 km. Exhibit 18-B shows that WILQ is separated from the proposed facility by 174.41 km.

The minimum separation requirement between a class A and a class B1 facility (WEKV and WRKT), which are first adjacent channels, is 72 km. Exhibit 18-A shows that WRKT is separated from the proposed facility by 92.74 km.

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

WEKV.P Site Spacing

REFERENCE					DISPLAY DATES			
41 44 00.0 N.		CLASS = A Int = A			DATA		05-09-19	
78 55 59.0 W.		Current Spacings to 3rd Adj.			SEARCH		05-20-19	
----- Channel 286 - 105.1 MHz -----								
Call	Channel	Location		Azi	Dist	FCC	Margin	
WEKV	LIC-N 286A	Sheffield	PA	248.2	9.09	114.5	-105.4	
WEKV	CP -Z 286A	Sheffield	PA	287.2	19.95	114.5	-94.6	
CJED-FM	OP -D 286B	Niagara Falls	ON	351.4	152.83	210.0	-57.2	
WILQ	LIC 286B	Williamsport	PA	109.5	174.41	177.5	-3.1	
WRKT	LIC-N 285B1	North East	PA	295.7	92.74	95.5	-2.8	
WQXK	LIC 286B	Salem	OH	239.9	184.80	177.5	7.3	
WKPQ	LIC 287B	Hornell	NY	58.7	121.35	112.5	8.9	
W285ES	LIC 285D	Smethport	PA	79.2	46.26	35.5	10.8	
WKEG-LP	LIC 284L1	Limestone	NY	37.7	40.82	28.5	12.3	
WOGM-LP	LIC 284L1	Jamestown	NY	329.4	45.67	28.5	17.2	
WMKX	LIC-N 288B1	Brookville	PA	189.2	68.71	47.5	21.2	
W287DC	CP 287D	Titusville	PA	258.6	64.53	35.5	29.0	
CHOQ-FM	OP -D 286B1	Toronto	ON	350.4	215.89	184.0	31.9	
W233BS	LIC-D 233D	St. Marys	PA	152.5	43.45	9.5	34.0	
WUUK-LP	LIC 289L1	Canadohta Lake	PA	276.5	75.42	28.5	46.9	
WUUK-LP	CP 289L1	Canadohta Lake	PA	278.4	75.54	28.5	47.0	
WMUG-LP	LIC 286L1	Indiana	PA	188.4	122.98	66.5	56.5	
WNBT-FM	LIC 283B	Wellsboro	PA	89.2	130.54	68.5	62.0	
WNBT-FM	CP 283B	Wellsboro	PA	89.3	130.54	68.5	62.0	
CFCA-FM	OP 287C1	Kitchener	ON	323.7	232.25	168.0	64.3	
CFCA-FM-AAX	287C1	Kitchener	ON	323.7	232.25	168.0	64.3	
WRKY-FM	LIC 285A	Hollidaysburg	PA	162.3	135.92	71.5	64.4	
WXMJ	LIC-N 283A	Cambridge Springs	PA	268.5	102.57	30.5	72.1	

Reference station has protected zone issue: Canada
All separation margins include rounding