

A WPHS-FM
89.1 MHz
Warren Consolidated Schools
Warren, Michigan

Exhibit – 16

73.509 - Contour Overlap Requirements

WEMU-FM

WPHS is Co-channel with WEMU in Ypsilanti, Michigan. WEMU is a class B1 station. Exhibit – 16A shows the coverage predictions for the two stations opposing contours. There is a pre-existing overlap of the 40dBu contour of WEMU onto the 60dBu contour of WPHS. The condition occurred when WEMU installed new facilities (see BLED-19920109KA & BMPED-19900330IA). This condition was unknown to WPHS until this study. For the purposes of this application, this condition is considered to be grandfathered.

In this application, we propose no additional expansion in the general direction of WEMU. A very small amount of the radius will occur. For this condition, we request a waiver of section 73.509. This area overlap is very small.

There is no further overlap in opposing contours. Also note, since the HAAT of WPHS in the direction the direction of WEMU is less than 30 meters and that contours shown assume a minimum of HAAT of 30 meters, the contours of WPHS are the maximum worse case condition. The actual contour will be somewhat reduced.

WDTR-FM & WPHS-FM

WDTR-FM and WPHS-FM are stations assigned to 89.1 MHz, co-channel to WPHS. Exhibit – 16A shows the opposing contours. Although the two stations are closely spaced, there is no overlap in opposing contours.

At the time this application was originally filed, WDTR had a construction permit that expired (See BPED-20090406AMN). This application was originally filed coincident with the expiration of the construction permit for WDTR.

WBLD – FM & WHFR-FM

WPHS is first adjacent with WBLD – FM & WHFR-FM. Exhibit – 16B shows the coverage predictions for the two stations opposing contours. There is no overlap in opposing contours.

WAHS – FM

WPHS is Co-channel with WAHS in Auburn Hills, Michigan. WAHS is a Class A station. Exhibit – 16C shows the coverage predictions for the two stations opposing contours. There is no overlap in opposing contours.

WOVI-FM

WPHS is Co-channel with WOVI in Novi, Michigan. WOVI is a Class A station. Exhibit – 16C shows the coverage predictions for the two stations opposing contours. There is no overlap in opposing contours.

W208BB

WPHS is Co-channel with W208BB. Exhibit – 16C shows the coverage predictions for the two stations opposing contours. There is no overlap in opposing contours.

WTAC-FM

WPHS is Co-channel with WTAC. WTAC is a Class B station. Exhibit – 16D shows the coverage predictions for the two stations opposing contours. There is no overlap in opposing contours.

EXHIBIT – 16E

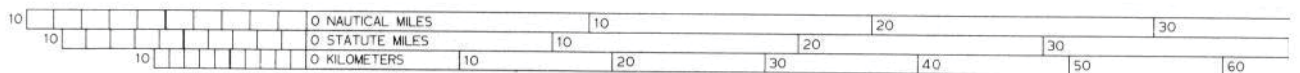
10.7 MHz (10.6 MHz & 10.8 MHz) INTERMEDIATE FREQUENCY INTERFERENCE Section 73.207(b)(1)

This section concerns station(s) separated by 10.6 MHz or 10.8 MHz

A search for a station with a frequency of 100.1 MHz and 100.3 MHz revealed no conflicting station(s) within the range indicated in 73.207.

The nearest station on one of these two frequencies is WNIC in Detroit, Michigan on 100.3 MHz. WNIC transmitter site is located 27.42 KM from the WPHS proposed transmitter site. WNIC is a Class B station. In this case, the minimum required separation is 14 KM for Class A to Class B station separation.

In any case, there are no stations within the minimum separation area.



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Keith Fraley

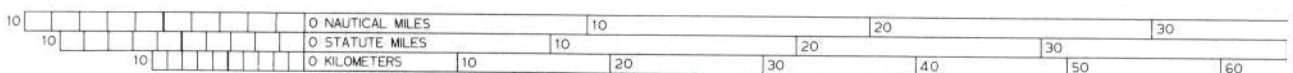


Exhibit - 16B

WPHS-FM
89.1 FM Warren, MI
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WBLD-FM & WHFR-FM
First Adjacent
Keith Fraley

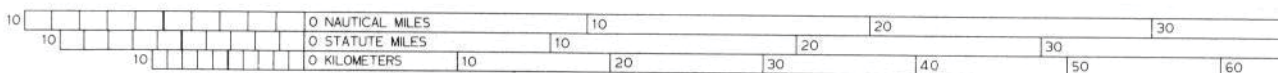


Exhibit - 16C

WPHS-FM
89.1 FM Warren, MI
Warren Consolidated Schools

WOVI-FM, WAHS-FM & W208BB-FX
Second Adjacent
Keith Fraley

WTAC-FM
Third Adjacent
Keith Fraley