

Compliance with Canadian Spacing Requirements

The proposed facility is located approximately 4.8 kilometers from the Canadian border.
The Canadian stations or allocations nearby are as follows:

Type	Ch/Class	City	Distance between sites	Distance Req'd by Agreement
CKLW	230C1	Windsor, ON	24.3	74 (km)
CBCL-FM	228C1	London, ON	147.6	133
New	225A1	Chatham, ON	66.0	17
Allocation	225A1	Chatham, ON	66.0	17

CKLW is short-spaced to the proposed facility by 49.7 kilometers. Exhibit 12-A shows that the proposed facility does not cause interference to CKLW at any point.

Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station CKLW, channel 230C1 Windsor, ON. According to 74.1204(a)(3), in order to protect second adjacent facilities, the difference in dB between the two facilities must not exceed 40dB.

EMF has investigated the proposed W256AY facility using V-Soft Communication's X-Field program. This program calculates the incoming signal of the station to be protected, and then calculates the interfering contour of the proposed facility based on the proposed ERP, antenna height above ground, and the actual characteristics of the antenna being used (e.g. vertical plane, directionality, number of bays). In this case W256AY's proposed facility has an ERP of 40 watts, height AG of 40m, and is using an RFS CPF500 1 bay.

As can be seen in the graph below, at no point does the interfering contour of the proposed facility exceed the required 40dB difference (green line on graph). Therefore, the proposed facility does not cause interference at any point.

