

## EXHIBIT 23

### Allotment Study for Proposed Operation of WWMP(FM) on Channel 277C2

#### Introduction

For this application it has been assumed that the contingent application that is being filed simultaneously under the provisions of Section 73.3517 of the Commission's Rules by Lisbon Communications, Inc., to change the location of the transmitter site of station WRJT(FM), Royalton, Vermont, will be approved by the Commission.

This application requests a "one step" upgrade in station class, from Channel 277C3 to Channel 277C2, for WWMP(FM), Waterbury, Vermont, under the procedure set forth in Section 73.203(b) of the Commission's Rules. No changes in the facilities of any station other than WRJT(FM) are required to accomplish the requested upgrade. This Exhibit is provided for the purpose of demonstrating there is a suitable allotment reference point for the proposed upgraded facilities which conforms with the requirements of the Commission's Rules with respect to city-grade coverage of Waterbury, minimum distance separations to U.S. stations and allotments, and protection of Canadian stations and allotments.

The geographical coordinates of the allotment reference point for the proposed upgrade of WWMP(FM) to Channel 277C2 are as follows:

North latitude - 44° 36' 23"  
West longitude - 72° 51' 20".

In the remainder of this Exhibit this reference point is referred to as the WWMP(FM) Class C2 reference site.

#### Service to Principal Community

The community reference point for Waterbury, Vermont, is located 30.9 kilometers at a bearing of 165.3 degrees True from the WWMP(FM) Class C2 reference site specified in this Exhibit. The distance from the reference site to the farthest point on the boundary of the community of Waterbury, shown in the 2000 U.S. Census of Population, is 31.6 kilometers. Assuming operation at the reference site with maximum Class C2 facilities of 50 kW effective radiated power and antenna height of 150 meters above average terrain, the 70 dBu contour would extend to a distance of 32.6 kilometers and would encompass the entire community of Waterbury. The radiation limitations toward Canada described in this Exhibit would have no effect on service to Waterbury.

## EXHIBIT 23 (continued)

### Allotment Study for Proposed Operation of WWMP(FM) on Channel 277C2

#### Allotment Study for United States Stations

For the allotment study for stations in the United States, the pertinent reference points were selected in accordance with the requirements of Section 73.208(a) of the Commission's Rules, and the distances between reference points were determined in accordance with the requirements of Section 73.208(b) of the Rules, using the method of computation described in Section 73.208(c) of the Rules. All distances were rounded to the nearest kilometer, as specified in Section 73.208(c)(8) of the Rules.

The study showed that the distance from the allotment reference point for the proposed operation of WWMP(FM) on Channel 277C2 to each existing station, construction permit, pending application, channel allotment and rulemaking petition within 300 kilometers of this point for Channel 277 and the pertinent adjacent channel frequencies, and within 50 kilometers of this point for the frequencies removed by 53 and 54 channels from Channel 277, would conform with the distance separation requirements of Section 73.207 of the Commission's Rules.

#### Allocation Study for Canadian Stations

An allocation study made with respect to Canadian stations and allotments shows that the WWMP(FM) Class C2 reference site is short-spaced to two stations and two allotments in Canada under the distance separation requirements for a Class B station as set forth in Paragraph 2.4 of the "Working Arrangement for the Allotment and Assignment of FM Broadcasting Channels Under the Agreement Between the Government of Canada and the Government of the United States of America Relating to the FM Broadcasting Service," dated February 1991 (as amended in 1997). This Exhibit shows that notwithstanding these short-spacings, the proposed WWMP(FM) upgrade to Channel 277C2 conforms with the provisions of the "Canada-U.S. FM Agreement."

On Channel 277, the WWMP(FM) Class C2 reference site is short-spaced to an allotment for Channel 277A at Longueuil, Quebec. The Longueuil allotment is limited toward WWMP(FM) to the equivalent of 0.23 kW effective radiated power at an antenna height of 200 meters above average terrain. The spacing between the WWMP(FM) Class C2 reference site and the Longueuil allotment is 119 kilometers.

## EXHIBIT 23 (continued)

### Allotment Study for Proposed Operation of WWMP(FM) on Channel 277C2

The present licensed operation of WWMP(FM) on Channel 277C3 results in significant overlap of the WWMP(FM) 34 dBu F(50,10) contour with the projected 54 dBu F(50,50) contour for the Longueuil allotment. This Exhibit requests that the proposed WWMP(FM) upgrade to Channel 277C2 be considered under Section 3.5.3 of the “Canada-U.S. FM Agreement” as a limited assignment toward the Longueuil allotment that would not result in any new areas of objectionable interference within the projected protected service contour of the Longueuil allotment.

The proposed WWMP(FM) upgrade would need to be restricted to the equivalent of approximately 4.9 kW effective radiated power and antenna height of 150 meters above average terrain at an azimuth of 333 degrees True. The proposed WWMP(FM) assignment would be expected to maintain or reduce the existing area of contour overlap between WWMP(FM) and the Longueuil allotment as would be required to avoid any increase in objectionable interference.

The WWMP(FM) Class C2 reference site is also short-spaced to CBOFM, Ottawa, Ontario, on Channel 277C1. Maximum Class C1 facilities of 100 kW effective radiated power and antenna height of 300 meters above average terrain were assumed for CBOFM. The required spacing between the WWMP(FM) Class C2 reference site and CBOFM under the “Canada-U.S. FM Agreement” is 271 kilometers; the spacing between the reference site and CBOFM is 256 kilometers.

This Exhibit requests that the proposed WWMP(FM) upgrade to Channel 277C2 be considered as a limited assignment toward CBOFM, with radiation restricted to the equivalent of 46 kW effective radiated power and antenna height of 150 meters above average terrain at an azimuth of 294 degrees True.

Additionally, the WWMP(FM) Class C2 reference site is short-spaced to an allotment at Valleyfield, Quebec, on Channel 276A. Maximum Class A facilities of 6 kW effective radiated power and antenna height of 100 meters above average terrain were assumed for the Valleyfield allotment. The required spacing between the WWMP(FM) Class C2 reference site and the Valleyfield allotment under the “Canada-U.S. FM Agreement” is 137 kilometers; the spacing between the reference site and the Valleyfield allotment is 123 kilometers.

## EXHIBIT 23 (continued)

### Allotment Study for Proposed Operation of WWMP(FM) on Channel 277C2

This Exhibit requests that the proposed WWMP(FM) upgrade to Channel 277C2 be considered as a limited assignment toward the Valleyfield allotment, with radiation restricted to the equivalent of 19.5 kW effective radiated power and antenna height of 150 meters above average terrain at an azimuth of 307 degrees True.

The WWMP(FM) Class C2 reference site is short-spaced to CITE-1, Sherbrooke, Quebec, on Channel 274C1. CITE-1 is authorized to operate with grandfathered high power facilities. For this Exhibit it was assumed that CITE-1 operates with maximum Class C1 facilities of 100 kW effective radiated power and antenna height of 300 meters above average terrain. The required spacing between the WWMP(FM) Class C2 reference site and CITE-1 under the "Canada-U.S. FM Agreement" is 95 kilometers; the spacing between the reference site and CITE-1 is 92 kilometers.

A study shows that, for operation at the WWMP(FM) reference site with maximum Class C2 facilities of 50 kW effective radiated power and antenna height of 150 meters above average terrain, the 94 dBu F(50,10) contour would not extend across the U.S.-Canada border into Canada. This Exhibit requests that, with respect to CITE-1, the proposed WWMP(FM) upgrade to Channel 277C2 be considered as a specially coordinated short-spaced assignment under Sections 3.5.1 and 5.2.2.4 of the "Canada-U.S. FM Agreement," for unrestricted operation with the equivalent of maximum Class B facilities.

It was determined from the above studies that the limited facilities described in this Exhibit for the proposed WWMP(FM) upgrade to Channel 277C2 could be achieved with a directional antenna with a ratio of maximum to minimum fields that would not exceed the value of 20 dB set forth in Section 3.6 of the "Canada-U.S. FM Agreement."

For the allocation studies related to Canadian stations and allotments, the distances between reference points were determined in accordance with the procedures described in Section 2.6 of the "Canada-U.S. FM Agreement." All distances were rounded to the nearest kilometer.

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Sierra Madre, California