

EXHIBIT 24

Interference Considerations

Introduction

This Exhibit has been prepared with the assumption 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 WRJT(FM), Royalton, Vermont, will be approved by the Commission. The proposed change in the location of the WRJT(FM) transmitter site allows WLKC(FM) to specify an allotment site for a Class C2 station that conforms with the distance separation requirements of Section 73.207 of the Rules with respect to FM station assignments and allotments in the United States.

Allocation Study for United States Stations

The location of the proposed WLKC(FM) transmitter site conforms with the distance separation requirements of Section 73.207 of the Commission's Rules for a Class C2 station with respect to existing stations, construction permits, pending applications, channel allotments and rulemaking petitions in the United States on the pertinent channels, with the exception discussed in this Exhibit. This application requests consideration under Section 73.215 of the Commission's Rules.

Table A of this Exhibit shows the distance from the proposed site to each existing station, construction permit, pending application, allotment and rulemaking petition in the United States within 300 kilometers for Channel 277 and the first adjacent channels; within 150 kilometers for the second and third adjacent channels; and within 50 kilometers for the frequencies removed by 53 and 54 channels from Channel 277. As shown in Table A, the proposed transmitter site conforms with the distance separation requirements of Section 73.207 of the Commission's Rules, or with the minimum permitted short spacings of Section 73.215(e) of the Rules, as is applicable. Contour protection will be provided to the short-spaced station (WRJT(FM)) identified in Table A, as described in Exhibit 28 of this application.

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Interference Considerations

Protection of Stations in Canada

The proposed WLKC(FM) transmitter site is short-spaced to three allotments and one assignment 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 operation of WLKC(FM) conforms with the provisions of the "Canada-U.S. FM Agreement."

Station WLKC(FM) presently operates on Channel 277C3 with 2.85 kW effective radiated power at an antenna height of 649 meters above mean sea level and 284 meters above average terrain, employing a nondirectional antenna. The geographical coordinates of the present WLKC(FM) transmitter site are as follows:

North latitude - 44° 21' 52"

West longitude - 72° 55' 53".

On Channel 277, the proposed site is short-spaced to an allotment at Longueuil, Quebec. The Longueuil allotment is limited to the equivalent of 0.25 kW effective radiated power at an antenna height of 100 meters above average terrain. The spacing between the proposed site and the Longueuil allotment is 123 kilometers.

The present operation of WLKC(FM) results in significant overlap of the WLKC(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 operation of WLKC(FM) be considered as a limited assignment toward the Longueuil allotment. A directional antenna will be employed to restrict radiation toward the Longueuil allotment. The proposed operation of WLKC(FM) will not result in any new areas of objectionable interference within the projected protected service contour for the Longueuil allotment, and will decrease the existing area of contour overlap. Figure 1 of this Exhibit shows the pertinent contours for the present and proposed operation of WLKC(FM). Figure 1 also shows that the proposed operation of WLKC(FM) would not receive interference from the Longueuil allotment in the United States.

EXHIBIT 24 (continued)

Interference Considerations

The proposed site is also short-spaced to CBO-FM, 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 CBO-FM. As shown in Figure 2 of this Exhibit, the proposed operation would not result in interference to CBO-FM. The spacing between the proposed site and CBO-FM is 263 kilometers; this distance is greater than the required separation of 224 kilometers set forth in Section 73.207(a) of the Commission's Rules for a Class C1 station and a Class C2 station on the same channel.

The proposed 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. As shown in Figure 2 of this Exhibit, the proposed operation would not result in interference to the Valleyfield allotment. The spacing between the proposed site and the Valleyfield allotment is 131 kilometers; this distance is greater than the required separation of 106 kilometers set forth in Section 73.207(a) of the Commission's Rules for a Class A station and a Class C2 station separated in frequency by 200 kHz.

Additionally, the proposed site is short-spaced to a new allotment at Sherbrooke, Quebec, on Channel 278B1. For the purposes of this application, maximum Class B1 facilities of 25 kW effective radiated power and antenna height of 100 meters above average terrain were assumed for the Sherbrooke allotment. On this basis, as shown in Figure 2 of this Exhibit, the proposed operation would result in overlap of the proposed WLKC(FM) 48 dBu F(50,10) contour with the Sherbrooke 54 dBu F(50,50) contour. However, the radiation from the proposed operation of WLKC(FM) toward the Sherbrooke allotment, and any resulting overlap of contours, would remain identical to that from the operation of WKLC(FM) previously authorized in construction permit File Number BPH-20000721ABF. The Sherbrooke 54 dBu F(50,10) contour would not overlap the 60 dBu F(50,50) contour for the proposed operation of WLKC(FM).

For the determination of distance separations 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."

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Interference Considerations

The contours for the present and proposed operation of WLKC(FM) shown in this Exhibit were determined from computerized calculations based on the NGDC 30-second terrain database, and Figures 1 and 1a of Section 73.333 of the Commission's Rules. Distances to contours were calculated at azimuthal increments of five degrees.

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Sierra Madre, California

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Interference Considerations

TABLE A

Distance Separations from
Proposed Transmitter Site

Geographical coordinates of reference point:

North Latitude 44° 31' 32"
West Longitude 72° 48' 54"

Channel and Class	Station and Location, Status, File Number	Geographical Coordinates	Distance from Reference (kilometers)	Required Separation (kilometers)
275A	WCLX(FM), Westport, NY Construction permit BPH-20030416AAJ	N 44° 13' 14" W 73° 24' 35"	58	55
275A	WCLX(FM), Westport, NY License BLH-20030414AAT	N 44° 13' 15" W 73° 24' 41"	58	55
276A	WRJT(FM), Royalton, VT Application / <u>1</u>	N 43° 42' 29" W 72° 23' 22"	97	106 <u>2</u>
276A	WHRL(FM), Albany, NY License BMLH-19970402KE	N 42° 39' 46" W 73° 40' 37"	218	106
276A	WTOJ(FM), Carthage, NY License BLH-20001115AAK	N 43° 57' 15" W 75° 43' 45"	241	106
276A	WDME-FM, Dover-Foxcroft, ME License BLH-19910307KD	N 45° 12' 58" W 69° 14' 34"	293	106
276A	WZOZ(FM), Oneonta, NY License BLH-5655	N 42° 25' 28" W 75° 04' 36"	297	106
277B	WODS(FM), Boston, MA License BMLH-19990126KA	N 42° 18' 27" W 71° 13' 27"	278	241
277A	WQQQ(FM), Sharon, CT License BMLH-20030428AAA	N 41° 55' 08" W 73° 34' 22"	296	166
277B	WMCM(FM), Rockland, ME License BLH-20011121AAR	N 44° 07' 35" W 69° 08' 18"	297	241
278B	WQBJ(FM), Cobleskill, NY License BLH-19950118KB	N 42° 58' 21" W 74° 29' 30"	219	169

EXHIBIT 24 (continued)

Interference Considerations

TABLE A (continued)

Distance Separations from
Proposed Transmitter Site

Channel and Class	Station and Location, Status, File Number	Geographical Coordinates	Distance from Reference (kilometers)	Required Separation (kilometers)
278B	WQBJ(FM), St. Johnsville, NY Construction permit BPH-20010628ABM	N 42° 58' 21" W 74° 29' 30"	219	169
279C	WPKQ(FM), Berlin, NH License BLH-19881228KA	N 44° 16' 14" W 71° 18' 15"	124	105
279C	WPKQ(FM), North Conway, NH Construction permit BPH-19991109ABV	N 44° 16' 14" W 71° 18' 15"	124	105
280A	WANC(FM), Ticonderoga, NY License BLH-19821012AL	N 43° 49' 55" W 73° 24' 28"	90	55

/1 Proposed transmitter site for contingent application.

/2 Minimum spacing permitted under Section 73.215(e) of the FCC Rules is 89 kilometers.