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THE RICHARD STOCKTON COLLEGE OF NEW JERSEY

POMONA, NEW JERSEY

LICENSEE OF

WLFR(FM), CHANNEL 219

POMONA, NEW JERSEY

FCC Facility ID #63469

FCC FILE No. BLET-19920327KG

MINOR CHANGE

APPLICATION FOR MODIFICATION OF LICENSE

TO SPECIFY A NEW TOWER, HAAT, AND ERP

ENGINEERING EXHIBIT 18

November 16, 2004

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1. FACILITIES REQUESTED

The instant minor application proposes to change the antenna supporting structure location and height, and the antenna C/R AMSL and HAAT, and the effective radiated power. The proposed antenna is a Shively Model 6812-2-SS ½ wavelength spaced 2 bay circularly polarized antenna with a power gain of 0.7x.

Specifically we propose to relocate WLFR(FM) to a new tower at 39-28-55.8 N, 074-32-36.0 W (NAD27), utilizing an ERP of 0.5 kW (H & V), with a C/R at 74 meters AMSL, 57 meters AG, 64 meters HAAT, and with an overall structure height of 59.7 meters. Distances to contours were calculated using a 3 second terrain database and we request processing utilizing 3 second data. HAAT was determined using the EDX 3 second database and routines.

2. PROTECTION OF CHANNEL 6

WLFR(FM) is located within the 47 dBu F(50,50) service contour of WPVI-TV, Channel 6, located in Philadelphia, PA. This is the only “affected” Channel 6 per 73.525. WLFR(FM) is an existing facility proposing a minor change to a new tower. The tower

continues to be located on the campus of RSCNJ. The changes proposed herein fall under the provisions of 73.525(b)(2) for existing stations. A study was completed by this office to show that the changes proposed result in a net DECREASE in predicted interference to WPVI-TV of over two for one as stipulated in 73.525(b)(2).

The WLFR(FM) transmitter site is specifically located between the WPVI-TV 56 and 55 dBu contours. Utilizing Figure 2 of 73.599, the permitted WLFR(FM) U/D ratio is +26.5 dB. The slope of the curve in Figure 2 on Channel 219 at this point results in a nearly uniform 81.5 dBu FM contour level maintaining the 26.5 dBu ratio U/D from the WPVI-TV 53 to 57 dBu service contour. Thus the resulting WLFR(FM) interfering contour for the total area is the 81.5 dBu F(50,10). Figure 5 shows a plot of the WLFR(FM) 81.5 dBu F(50,10) present and proposed contours utilized to determine changes in the predicted interference to WPVI-TV per 73.525(b)(2).

Specifically, and utilizing the 2000 census data, the new WLFR(FM) facilities result in a net REDUCTION of predicted interference in the “existing predicted interference area” of 2013 persons over 2.815 sq km and NEW interference in the “proposed predicted interference area” of 272 persons over 5.249 sq km. Thus the instant proposal satisfies the requirements of 73.525(b)(2) and thus granted this minor change would be in the public interest.