

Exhibit 18
Maranatha Ministries / Joy Communications, Inc.
NCE FM Interference To Television Channel 6
Cape May Court House, New Jersey

The purpose of this exhibit is to show compliance with Section 73.525 of the Commission's Rules. The Rules require that an applicant proposing operation on FM Channel 201, whose antenna location is less than 265 kilometers (165 miles) from a television Channel 6 facility, furnish a map and an engineering statement, with calculations, demonstrating compliance with the Rules with regard to interference to the reception of television channel 6. The applicant proposes to locate its antenna 108.09 kilometers (67.16 miles) from television channel 6, WPVI Philadelphia, Pennsylvania. Therefore, WPVI must receive consideration.

First, the relative HAAT figures were generated for WPVI using the NGDC 3 Second Database and the data from the FCC TV Database. The distance to the WPVI contours was predicted according to the procedures specified in 73.684 of the Commission's Rules, "Prediction of Coverage," using the $F(50,50)$ curves in Figure 9 of Section 73.699. For each television Channel 6 field strength contour, the associated $F(50,10)$ FM interference contour was obtained from Figure 1 of Section 73.599. The distances to the applicable NCE-FM interference contours was predicted according to the procedures specified in "Prediction of Coverage," using the $F(50,10)$ curves in Figure 1 of Section 73.333 of the Rules. Radials were then computed every 5 degrees from the proposed new NCE-FM site to the point at which interference stops occurring. These calculations are based on the appropriate $F(50,50)$, $F(50,10)$ and FM/TV 6 protection ratio curves for an NCE-FM station operating with facilities of 13.75 Watts ERP at 64.36 meters HAAT. Free space calculations were used when computing the field strength for distances less than 1 mile.

A plot of the proposed new NCE-FM ($F50,10$) interfering contours to the WPVI Television Channel 6 ($F50,50$) protected contours may be seen as Figure 1 of this exhibit.

Exhibit 18, Cont'd
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The predicted interference area was calculated according to Section 73.525(e) of the Commission's Rules. The area of interference as defined by Section 73.525(e)(1)(v) that would be created within the WPVI TV6 Grade B (47 dBu) area by WJPG from its proposed new site would affect 105.86 square kilometers. The total population (2000 Census) receiving interference is 3,681 persons.

Adjustments to Population of Interference Area

In calculating the population within the predicted interference area, the following adjustment to population may be made: up to 1,000 persons may be subtracted from the population within the predicted interference area if, for each person subtracted, the applicant effectively installs one filter within 90 days after commencing program tests and, no later than 45 days thereafter, provides the affected TV Channel 6 station with a certification containing sufficient information to permit verification of such installation. The required number of filters will be installed on television receivers located within the predicted interference area.

Persons within interference area.....3,681

Minus installation of 682 filters-682

Persons receiving NCE-FM/TV Channel 6 interference.....2,999

Therefore, it may be concluded that the operation of WJPG at its at its proposed new site is in compliance with Section 73.525 of the Commission's Rules as pertains to interference to the reception of TV Channel 6 by NCE-FM stations.

TV Contour dB	U/D Ratio dB	FM Contour dB	
47.0	1.0	48.0	yellow
48.0	0.75	48.75	orange
49.0	0.25	49.25	rose
49.5	0.2	49.7	blue
50.0	0.0	50.0	green

