

FEDERAL COMMUNICATIONS COMMISSION
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Antioch University
150 E. South College Street
Yellow Springs, OH 45387-1653

In re: WYSO(FM), Yellow Spring, OH
Antioch University
Facility ID # 2374
BPED-20100205ABR

Dear Applicant:

This refers to the above-captioned minor change non-commercial educational application filed to modify the broadcast facilities of Station WYSO(FM).

An engineering study of the application reveals that the proposed directional antenna violates 47 C.F.R. § 73.510(a). Section 73.510(a) states that noncommercial educational stations must comply with 47 C.F.R. § 73.316(b). Specifically, Section 73.316(b)(2) states that “[d]irectional antennas used to protect short-spaced stations pursuant to § 73.213 or § 73.215 of the rules, that have a radiation pattern which varies more than 2 dB per 10 degrees of azimuth will not be authorized.” It has been the Commission’s longstanding policy to apply the 2 dB/10° limitation to noncommercial educational stations protected under the analogous contour overlap section, 47 C.F.R. § 73.509. The proposal violates this requirement. The proposed radiation pattern varies by as much as 2.35 dB per 10 degrees between the azimuths of 80°T and 90°T. It is necessary to note that these azimuths are in the direction of a station where a directional antenna is necessary to prevent any prohibited overlap.

In addition, an engineering study of the application reveals that the proposed directional antenna violates 47 C.F.R. § 73.510(b). Specifically, the application proposes a directional antenna pattern that has a maximum to minimum ratio of more than 15 dB. This constitutes an acceptance defect.

In light of the above, Application BPED-20100205ABR is unacceptable for filing pursuant to 47 C.F.R. Section 73.3566(a) and is HEREBY DISMISSED. This action is taken pursuant to 47 C.F.R. Section 0.283.

Sincerely,



Rodolfo F. Bonacci
Assistant Chief
Audio Division
Media Bureau

cc: John Wells King, Esq.