

APPLICATION FOR STATION LICENSE
CUMULUS LICENSING LLC
WYFM (FM) RADIO STATION
CH 275B - 102.9 MHZ - 0.3 KW
SHARON, PENNSYLVANIA
January 2007

TECHNICAL STATEMENT

This Technical Statement was prepared on behalf of Cumulus Licensing LLC ("Cumulus"), licensee of radio station WYFM, Channel 275B, Sharon, Pennsylvania. Cumulus also holds an outstanding permit for a new auxiliary antenna system for WYFM (BXPB-20060919AAA). Cumulus herein submits a license application to cover this outstanding permit. A calculation of the transmitter power output of the WYFM auxiliary transmitter is attached as Exhibit A. It is noted that the effective radiated power of the auxiliary system has been reduced from 0.5 kilowatt to 0.3 kilowatt, based on available transmitter power.¹ This reduction is made pursuant to §73.1690(d)(8).²

There are two operating conditions/restrictions on the WYFM auxiliary antenna permit. The first condition states that Cumulus will perform sufficient measurements to show the proposed operation of WYFM, in conjunction with the WHOT auxiliary system that shares the antenna, will be in compliance with §73.317 of the rules. Attached as Exhibit B is a series of measurements showing the WYFM system, with WHOT operating into the shared antenna, is in

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- 1) It is noted that once licensed, Cumulus will seek Special Temporary Authority to operate this system as a digital facility for WYFM.
 - 2) As this is an auxiliary antenna system, there are no requirements for placing a 70 dBu over the community of license. It does not impact the location of the main studio, has no effect on the classification of the main station, does not effect the multiple ownership rules, and has no impact on §73.525. As such, this reduction complies with §73.1690(d)(8) of the rules.

compliance with §73.317, since there are no harmonic or spurious emissions emanating from the combined system.³ The remaining condition is that Cumulus reduce the power of WYFM or cease operation, as needed, to insure that persons with access to the tower will not be exposed to radio frequency radiation levels in excess of the Commission's guidelines. Cumulus will comply with this requirement.

Based on the foregoing, it is believed that the WYFM auxiliary system is operating in compliance with the Commission's rules and that all conditions have been met.

3) The potential mixing frequencies were checked (99.3 MHz and 104.7 MHz). Each was greater than 80 dBu below the carriers (see second page of emission report).