

**Call letters:** WZBH (FM) .C  
**City of License:** Millsboro, DE  
**Channel:** CH228B (93.5 MHz)  
**File No:** LMS-0000144089  
**Facility ID:** 25003  
**Applicant:** Adams Radio of Delmarva Peninsula, LLC

**Explanation of FM License to Cover Filing (Correction of Coordinates Construction Permit LMS-0000144089); Compliance with Special Operating Conditions or Restrictions; and request for a 47 C.F.R. Section 73.1690(c)(2) Replacement of a Directional Antenna.**

**Compliance with Special Operating Conditions or Restrictions**

1. The applicant certifies coordination with other users of the site to reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
2. The applicant acknowledges this a Section 73.215 contour protection grant as requested by the applicant.
3. The applicant certifies the relative field strength of neither the measured horizontally nor vertically polarized radiation component exceeds at any azimuth the value indicated on the composite radiation pattern authorized by construction permit BPH-20140327AVE. In this instance, a relative field strength of 1.0 on the composite radiation pattern herein authorized corresponds to the following effective radiated power: 50.0 kilowatts. The principal minima and their associated field strength limits as follows: 350 - 0 degrees True: 3.1 kilowatts. (See Attached Antenna Proof of Performance)
4. The applicant acknowledges this filing is granted pursuant to the grandfathering provisions of Note 4 to 47 C.F.R. Section 73.3555 (2003). See also 2002 Biennial Regulatory Review - Review of the Commission's Broadcast Ownership Rules and Other Rules Adopted Pursuant to Section 202 of the Telecommunications Act of 1996, 18 FCC Rcd 13620, 13809-10 (2003), aff'd in part and remanded in part, Prometheus Radio Project, et al. vs. F.C.C., 373 F.3d 372 (3d Cir. 2004), stay modified on reh'g, No. 03-3388 (3d Cir. Sept. 3, 2004), cert. denied, 125 S. Ct. 2902, 2903, 2904 (2005).

**47 C.F.R. Section 73.1690(c)(2) Replacement of a Directional Antenna.**

1. The applicant certifies it has submitted a measured directional antenna pattern and tabulation on the antenna manufacturer's letterhead showing both the horizontally and vertically polarized radiation components and demonstrating that neither of the components exceeds the authorized composite antenna pattern along any azimuth. (See Attached Antenna Proof of Performance)

2. The applicant certifies that as contour protection as authorized pursuant to §73.215 is applicable, a showing that the RMS (root mean square) of the composite measured directional antenna pattern is 85% or more of the RMS of the authorized composite antenna pattern has been supplied pursuant to §73.316(c)(9). (See Attached Antenna Proof of Performance)

3. The applicant certifies that a description from the manufacturer as to the procedures used to measure the directional antenna pattern has been provided. The antenna measurements have been performed with the antenna mounted on a tower, tower section, or scale model equivalent to that on which the antenna will be permanently mounted, and the tower or tower section including transmission lines, ladders, conduits, other antennas, and any other installations which may affect the measured directional pattern. (See Attached Antenna Proof of Performance)

4. The applicant certifies a certification from a licensed surveyor has been provided documenting that the antenna has been oriented to the proper azimuth. (See Attached Surveyor's Certification)

5. The applicant certifies a certification from a qualified engineer who oversaw installation of the directional antenna has been provided documenting that the antenna was installed pursuant to the manufacturer's instructions. (See Attached Engineer's Declaration)

Concerning RF Compliance for the new ERI Model SHP-3AE-DA, three bay, fully spaced antenna, the applicant certifies RF Compliance with the attached study.

Regarding compliance with the NEPA, Nationwide Programmatic Agreement and NHPA Section 106 for tower co location, compliance with the agreement is not required where no new tower construction is being proposed and the tower is not being substantially altered. Specifically, compliance is not necessary where only an antenna is being replaced on an existing structure, as here. However, should the Commission determine compliance is necessary, upon notification the applicant will file FCC Form 621.

No other License Modifications are requested at this time.