

Diversified Communications Systems
7961 West Lake Road, Fairview, PA 16415
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ENGINEERING STATEMENT OF RICHARD C. POGSON, CPBE
Prepared for: Auburn Broadcasting Inc.
Regarding: WAUB(AM) License Modification

INTRODUCTION

The Applicant, Auburn Broadcasting Inc. proposes a modification of existing License File Number BMML-20122006ADW. The proposed modification involves changing the nighttime parameters from DA-N to DA-D operation and reducing power to 0.5 kilowatts. In proposing this modification the applicant requests a waiver of nighttime community of license coverage requirements. The proposed modification leaves the daytime operating parameters unchanged.

PROPOSED PARAMETERS

Site Coordinates (42° 54' 34" N) (76° 36' 9.0" W) NAD-27
Day Power 0.5 Kilowatts
Night Power 0.5 Kilowatts
Electrical Height of Radiators 90.0°
Physical Height of Radiators 47.2 M
RMS Theoretical 230.90 mV/m at 1 km

NIGHTTIME SKYWAVE INTERFERENCE

Attached in this application is Engineering Exhibit E-15 that demonstrates compliance with 47 C.F.R. Section 73.182.

COMMUNITY COVERAGE

Per 47 C.F.R. Section 73.24(i) the daytime facilities of WDOE-AM provide the required coverage. The applicant is requesting a waiver of Section 73.24(i) of the Commission's rules in that the nighttime facilities fall short of the coverage requirements. Specifically the proposed nighttime coverage serves 77.9% of the population based on the recent 2010 Census versus the required 80% as specified in the rules. The waiver request is detailed in Exhibits E-14 and E-14A.

RF EXPOSURE

The proposed facilities comply with electromagnetic exposure limits as the existing fencing and marking that is in compliance will be retained at the site.