

ENGINEERING REPORT COVERING
REQUEST FOR AUGMENTATION
ON BEHALF OF SEVEN BRIDGES RADIO, LLC
FOR STATION WJXL (AM) 1010 KILOHERTZ
JACKSONVILLE BEACH, FLORIDA

SEPTEMBER 2007

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SUMMARY

The engineering exhibit of which this statement is part was prepared on behalf of Seven Bridges Radio, LLC, hereinafter referred to as “Seven Bridges”, in support of an application for augmentation for AM station WJXL Jacksonville Beach, Florida. Seven Bridges is the licensee of WJXL. WJXL is currently operating under the terms of construction permit BP-20040112AAJ, which specifies operation on 1010 kilohertz with daytime power of 50 kilowatts, nighttime power of 30 kilowatts and a change of transmitter site. Separate directional antenna systems are employed for each mode of operation. The purpose of this application is to propose augmentation of the WJXL nighttime antenna system. This application for augmentation is concurrently filed with a Form 302-AM application for station license which furnishes the results of a complete WJXL proof of performance that demonstrates the need for augmentation. No other changes are proposed. No augmentations are proposed for the daytime operation.

ALLOCATION CONSIDERATIONS

An allocation study was conducted in support of the nighttime augmentation request. Seven radials require augmentation. The allocation study results revealed only 4 radials of the seven studied required detailed study since the remaining three radials have no significant protection requirements. The three augmentation radials that have no significant protection requirements are 156.5, 232 and 272.5 degrees. The affected stations that require protection are domestic co-channels WINS New York, New York (28.5 degree radial) and WFGW Black Mountain, North Carolina (359 degree radial). Canadian Class A facilities that require protection are CBR Calgary, Alberta (305 and 336 degree radials) and CFRB Toronto, Ontario (359 and 28.5 degree radials). Figure 2 is an allocation mapping which demonstrates that the proposed WJXL Region 2 10% augmented 0.025 mv/m skywave contour does not overlap the CBR 0.5 mv/m Region 2 50% skywave contour. Protection to CFRB is applied on an RSS basis at the 0.5 mv/m 50% Region 2 skywave contour or at points on the United States Canadian border where the contour extends beyond the border because CFRB is not included on the list of Class A stations in the US/Canadian Agreement. Figure 3 shows the CFRB 0.5 mv/m 50% Region 2 skywave contour and the location of the RSS study points. Table 2 provides the RSS data for CFRB and Table 3 provides the RSS data for WINS and WFGW. The protected RSS nighttime limits of any legally qualifying North American station will not be increased by this proposal.

ENGINEERING DATA

A polar plot of the proposed WJXL augmented nighttime antenna pattern is attached as Figure 1. Table 1 is a tabulation of the horizontal plane radiation values and pertinent vertical plane radiation values.

DECLARATION

The foregoing was prepared by or under the immediate supervision of Charles A. Hecht of Charles A. Hecht & Associates, Inc., Pittstown, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. All statements herein are true and correct of his knowledge except such statements made on information and belief, and as to those statements, he believes them to be true and correct under the penalty of perjury.

Respectfully submitted,

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September 30, 2007