



**Kessler and Gehman Associates**  
Consultants • Broadcast • Wireless

**APPLICATION FOR  
SPECIAL TEMPORARY  
AUTHORITY FOR A CLASS  
B1 FM BROADCAST  
STATION**

**CALL SIGN: WVPG(FM)**  
**FACILITY ID: 70642**  
**LOCATION: PARKERSBURG, WV**

**Prepared For:**

West Virginia Educational  
Broadcasting Authority  
600 Capitol Street  
Charleston, WV 25301-1223

**Prepared By:**

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January 26, 2024

## **1.0 EXECUTIVE SUMMARY**

Kessler and Gehman Associates, Inc. has been retained by West Virginia Educational Broadcasting Authority (“WVEBA”), licensee of WVPB(FM) to prepare an engineering Special Temporary Authority (STA) to operate with a reduced ERP.

## **2.0 REQUEST FOR SPECIAL TEMPORARY AUTHORITY**

The licensed WVPG(FM) transmitter operates with a power output of 4.6kw which produces an ERP of 9kW. Recently the transmitter suffered a catastrophic anomaly and is no longer operable. WVEBA has a spare 1.4kW transmitter on site ready to use until the main transmitter can be replaced. The 1.4kW transmitter will produce an ERP of 2.74 kW. It is respectfully requested to temporarily use the spare 1.4kW transmitter to operate an ERP of 2.74kW until a new transmitter is installed. The instant STA shall serve the public interest since the alternative option is to stay dark until a new transmitter can be purchased and installed.

## **3.0 PREDICTED COVERAGE CONTOUR**

Appendix A demonstrates predicted noise limited coverage contours in accordance with the method described in 47 CFR Section 73.313 utilizing the appropriate F(50,50) propagation curves. Appendix A illustrates that the proposed STA contour is 100% subsumed by the licensed contour and thus no new interference to surrounding stations shall occur. The STA shall substantially achieve its goal of providing comparable coverage to its viewers while waiting for a new transmitter to be installed.

#### **4.0 CERTIFICATION**

I, Ryan Wilhour, am an engineering associate of Kessler and Gehman Associates, Inc. having offices in Gainesville, Florida and have been working in the field of radio and television broadcast consulting since 1996. The foregoing statement and the report regarding the aforementioned engineering work are true and correct to the best of my knowledge.

Ryan Wilhour



Consulting Engineer  
January 26, 2024

## APPENDIX A – Section 73.313 Protected Contour Coverage Map

