



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

