



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

**APPLICATION FOR  
SPECIAL TEMPORARY  
AUTHORITY OF A DIGITAL  
TELEVISION  
TRANSLATOR  
BROADCAST STATION**

**CALL SIGN: W25FP-D**  
**FACILITY ID: 23945**  
**LOCATION: YOUNG HARRIS, GA**

**Prepared For:**

Georgia Public Telecommunications  
Commission  
260 Fourteenth Street, NW  
Atlanta, GA 30318

**Prepared By:**

Ryan Wilhour  
Consulting Engineering  
Kessler and Gehman Associates  
507 NW 60<sup>th</sup> Street, Suite D  
Gainesville, FL 32607-2055  
352-332-3157 Extension 3  
[ryan@kesslerandgehman.com](mailto:ryan@kesslerandgehman.com)  
[www.kesslerandgehman.com](http://www.kesslerandgehman.com)

June 15, 2021

## **1.0 REQUEST FOR SPECIAL TEMPORARY AUTHORITY**

Kessler and Gehman Associates, Inc. has been authorized by Georgia Public Telecommunication Commission, licensee of W25FP-D to prepare an engineering Special Temporary Authority (STA) to operate with parameters which deviate from the underlying License<sup>1</sup>. Specifically, it is requested to temporarily operate at 50% power as per the request of the local forest service which owns the support structure for W25PF-D. The structure was originally built as an observation tower open to public access for tourism. After some period using it as intended, the tower was closed to the public and converted into a telecommunications facility for various wireless services. The forest service is currently conducting studies to re-open the observation tower for its original intended purpose and has specifically requested that W25PF-D reduce its power by 50% while they investigate their options which may result in moving all the wireless carriers to a new location in the future.

The instant STA is in the public interest since it will allow W25FP-D to commence broadcasting at 50% power in lieu of requesting a silent STA while the forest service studies the location for future use.

## **2.0 COVERAGE CONTOUR AND TVSTUDY ALLOCATION ANALYSIS**

Appendix A demonstrates the 51 dB $\mu$ V/m protected contours of the proposed STA facility and its associated main licensed facility. The protected contours were calculated from the effective radiated power and antenna height above average terrain, using the F(50,90) signal propagation method specified in Section 74.792(a)(3). Appendix A illustrates that the proposed STA contour is fully subsumed by the licensed contour and is thus fully compliant.

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<sup>1</sup> FCC File No.: 0000136498

### 3.0 CERTIFICATION

The foregoing statement and the report regarding the aforementioned engineering work are true and correct to the best of my knowledge. Executed on June 15, 2021.

Ryan Wilhour



Consulting Engineer

APPENDIX A – Section 74.792 Protected Contour Map

