



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

**APPLICATION FOR
SPECIAL TEMPORARY
AUTHORITY FOR A
TRANSITIONED
INCENTIVE AUCTION
BROADCAST
TELEVISION STATION**

CALL SIGN: WNGH-TV
FACILITY ID: 23942
LOCATION: CHATSWORTH, GA

Prepared For:

Georgia Public
Telecommunications
Commission
260 14th St NW
Atlanta, GA 30318

Prepared By:

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September 6, 2019

1.0 REQUEST FOR SPECIAL TEMPORARY AUTHORITY

Kessler and Gehman Associates, Inc. has been retained by Georgia Public Telecommunications Commission (GPTC), licensee of WNGH-TV to prepare an engineering Special Temporary Authority (STA) to operate the post-transition Construction Permitted¹ (CP) channel 4 facility with reduced ERP. September 3, 2019 at 4pm the licensed² channel 33 facility was decommissioned, and the CP facility was brought online; however, GPTC is currently operating the transmitter without a full bank of modular amplifiers installed and thus cannot produce the power needed to certify a license to cover application. The amplifiers were freighted separately from the transmitter cabinet. Some of the amplifiers arrived as scheduled; however, some units never arrived and are now presumed to be lost. GPTC is working with Comark for replacement amplifiers from a supplier in Canada. The estimated time of arrival of the new amplifiers is unknown. Due to this contingency, the transmitter is operating at 76% of its required power. Upon arrival and installation of the remaining amplifiers, WNGH-TV will be able to achieve 100% power and a license to cover will be filed. Grant of this STA request would be in the public interest because it will keep WNGH-TV on the air at 76% of its authorized power in lieu of going dark.

2.0 PREDICTED COVERAGE CONTOUR

Appendix B demonstrates predicted noise limited coverage contours in accordance with the method described in 47 CFR Section 73.684 utilizing the appropriate F(50,90) propagate curves. Appendix A clearly illustrates that the proposed STA contour is 100% subsumed by the CP 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 the missing amplifiers to arrive.

¹ FCC File No.: 0000029684

² FCC File No.: 0000019162

3.0 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
September 6, 2019

APPENDIX A – Section 73.625(a) Community of License Coverage Map

