

## **Engineering Statement and STA Request Justification**

### **STA Application for Reduced Power WJZY Belmont, NC Channel 25 September 25, 2019**

This Engineering Statement has been prepared on behalf of the Fox Television Stations, Inc. (FOX), licensee of television station WJZY File Number 0000081702 Facility ID #73152 at Belmont, NC. The statement was prepared in support of a STA application for temporary reduced power operation.

As a result of the now concluded Incentive Auction, WJZY was repacked from channel 47 to channel 25 and moved to its new channel in compliance with its assigned phase. Due to electrical arcing problems with the newly installed transmission system, WJZY will be forced to operate at reduced power for the foreseeable future until the equipment supplier is able to resolve the problem. At this point a time frame in which to resolve the problem has not been determined.

WJZY is authorized to operate with a transmitter power output (TPO) of 84.19 kW (19.25 dBk) and an effective radiated power (ERP) of 1,000 kW (30 dBk). It has been determined that due to the equipment problem, the maximum TPO must be limited to 45 kW (16.53 dBk) and that results in an ERP of 534 kW.

Prepared by

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