Engineering Statement

Minor Modification of WJZY Belmont, NC
Channel 25
October 29, 2017

This Engineering Statement has been prepared on behalf of the Fox Television Stations, Inc. (FOX), licensee of television station WJZY and permittee of Construction Permit File Number 0000027835 Facility ID #73152 at Belmont, North Carolina. The statement was prepared in support of a Minor Amendment to the outstanding Construction Permit for the FCC's "Maximization Window" filing as herein proposed.

The instant application proposes to increase WJZYs ERP to 1,000 kW, utilize a directional antenna pattern and increase the height above average terrain (HAAT) to 589 m. Although the ERP is above that allowed based on the HAAT, the proposed increase is in accordance with Section 73.622(f)(5), to achieve a coverage area on par with the "largest station in the market". The WJZY proposed facility at 1,000 kW appears to be smaller than WBTV, Channel 23, licensed to Charlotte, North Carolina.

It is noted that the proposed facility is predicted to cause 0.83% new interference to station WZRB channel 25 Columbia, SC; however, an interference agreement is being negotiated with WZRB and will be provided upon conclusion of the negotiation.

DETERMINATION OF THE "LARGEST STATION IN THE MARKET"

It appears from an analysis of the stations that are licensed to communities located in the Charlotte, North Carolina Designated Market Area (DMA) that the largest station in geographic area is WBTV, Channel 23, licensed to Charlotte, North Carolina with a predicted coverage area of 46,318.9 square kilometers.

The instant application to increase WJZY's ERP to 1,000kW results in a predicted coverage area of 46,290.9 square kilometers. Therefore, WJZY is entitled, according to Section 73.622(f)(5), to the proposed increase in its ERP to 1,000 kW.

Prepared by

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