
TECHNICAL EXHIBIT CONCERNING
THE TV CLASS A LICENSE APPLICATION FROM
STATION W24CP
DURHAM, NORTH CAROLINA

This Technical Statement supports the Class A TV license application from low power television (LPTV) station W24CP on channel 24 at Durham, North Carolina. In particular, this statement addresses the interference issues raised in Part A, Section 1 on page 5 of FCC Form 302-CA. The Federal Communications Commission (FCC) Consolidated Database System (CDBS) has been the source of the technical information employed for the TV assignments employed in the interference studies conducted.

According to the FCC's TV database, station W24CP is authorized to operate on channel 24 with a zero (0) carrier offset (BPTTL-19980601VF, Facility ID 70098). A directional antenna (DA) system is employed with a maximum visual effective radiated power (ERP) of 22.6 kilowatts (kW). The antenna center of radiation is located 215 meters above mean sea level (AMSL). The maximum antenna height above average terrain (HAAT) is 128 meters. The transmitter site coordinates are 36-00-56, 78-52-27.

Interference studies have been performed using the methods outlined in the FCC rules. Where appropriate, interference calculations have been made using the procedures outlined in the FCC's OET-69 Bulletin and a 1 square kilometer grid.

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With respect to other authorized full service and LPTV assignments operating on analog (NTSC) channels, a study was performed using the FCC's normal LPTV allocation method (i.e., separations & non-overlapping predicted contours, LPONE). The study indicates station W24CP has no allocation or interference problems to other authorized full service and LPTV analog operations.

With respect to digital television (DTV) assignments and allotments on channels 23, 24 and 25, interference calculations have been made using the procedures outlined in the FCC's OET-69 Bulletin and a 1 square kilometer grid. No calculated interference is caused by the W24CP operation to any known DTV assignment or allotment at this time.

The W24CP operation does not cause interference to land mobile radio stations (LMRS) as specified in Section 73.6020 and 74.709 of the FCC rules.

In summary, as indicated by the above narrative, it is believed station W24CP complies with the FCC's interference criteria for Class A status.

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If there are questions concerning this Technical Statement, please communicate with the office of the undersigned.



John A. Lundin

du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, FL 34237

(941) 329-6000

JOHN@DLR.COM

January 8, 2001