

TECHNICAL EXHIBIT CONCERNING  
THE TV CLASS A LICENSE APPLICATION FROM  
STATION K22FC  
GRANTS PASS, OREGON

This Technical Statement supports the Class A TV license application from low power television (LPTV) station K22FC on channel 22 at Grants Pass, Oregon. 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 K22FC is licensed to operate on channel 22 with a plus (+) carrier offset (BLTTL-19970707JI, Facility ID 24574). A directional antenna (DA) system is employed with the major lobe oriented toward 300 degrees True (northwest). The maximum visual effective radiated power (ERP) is 0.836 kilowatt (kW). The antenna center of radiation is located 849 meters above mean sea level (AMSL). The maximum antenna height above average terrain (HAAT) is 548 meters. The transmitter site coordinates are 42-24-39, 123-16-52.

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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.

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 K22FC has one potential allocation problem. It is with an application to change the frequency of LPTV station K19AD at Tri City, Oregon from channel 19 to channel 22 (BPTT-19981026JB). There are no other analog allocation problems for station K22FC.

Although it may not be required for K22FC to consider the K19AD application for channel 22 due to timing, interference calculations have been performed using the procedures outlined in the FCC's OET-69 Bulletin and a 1 square kilometer grid. The calculations indicate that the K22FC operation causes no calculated interference to the proposed K19AD channel 22 LPTV service population. The K23EX operation complies with the FCC's 0.5% acceptable interference threshold level.

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If necessary, waiver of the FCC's rules is requested with respect to the proposed K19AD channel 22 operation at Tri City, Oregon based on use the procedures outlined in the FCC's OET-69 Bulletin.

With respect to digital television (DTV) assignments and allotments on channels 21, 22 and 23, interference calculations have been made using the procedures outlined in the FCC's OET-69 Bulletin and a 1 square kilometer grid. The K22FC operation causes no calculated interference to any known DTV assignment or allotment. Therefore, the K22FC operation complies with the FCC's DTV interference requirements.

The K22FC 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 K22FC 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.

A handwritten signature in black ink that reads "John A. Lundin". The signature is written in a cursive style with a large, prominent "J" and "L".

John A. Lundin

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