

TECHNICAL EXHIBIT CONCERNING  
THE TV CLASS A LICENSE APPLICATION FROM  
STATION K17DU  
CHRISTMAS VALLEY, OREGON

This Technical Statement supports the Class A TV license application from low power television (LPTV) station K17DU on channel 17 at Christmas Valley, 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 K17DU is authorized to operate on channel 17 with a no carrier offset (BLTTL-19970505JE, Facility ID 474). A directional antenna (DA) system is employed with a maximum visual effective radiated power (ERP) of 4.66 kilowatts (kW). The antenna center of radiation is located 1725 meters above mean sea level (AMSL). The maximum antenna height above average terrain (HAAT) is 406 meters. The transmitter site coordinates are 43-09-55, 120-52-45.

Interference studies have been performed using the methods outlined in the FCC rules. Where appropriate,

Christmas Valley, Oregon  
Page 2 of 3

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 K17DU 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 16, 17 and 18, 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 K17DU operation to any known DTV assignment or allotment at this time.

The K17DU 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 K17DU complies with the FCC's interference criteria for Class A status.

Christmas Valley, Oregon  
Page 3 of 3

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



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