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TECHNICAL EXHIBIT CONCERNING  
THE TV CLASS A LICENSE APPLICATION FROM  
STATION K48DZ  
HERMISTON, OREGON

This Technical Statement supports the Class A TV license application from low power television (LPTV) station K48DZ on channel 48 at Hermiston, 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 K48DZ is licensed to operate on channel 48 with no carrier offset (BLTTL-19980814JD, Facility ID 66987). A directional antenna (DA) system is employed with the major lobe oriented toward 200 degrees True (south-southwest). The maximum visual effective radiated power (ERP) is 7.9 kilowatts (kW). The antenna center of radiation is located 375 meters above mean sea level (AMSL). The maximum antenna height above average terrain (HAAT) is 261 meters. The transmitter site coordinates are 45-58-49, 119-17-44.

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

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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 (ie, separations & non-overlapping predicted contours, LPONE). The study indicates station K48DZ has no allocation problems with other analog operations.

With respect to digital television (DTV) assignments and allotments on channels 47, 48 and 49, interference calculations have been made using the procedures outlined in the FCC's OET-69 Bulletin and a 1 square kilometer grid. The following is a summary of the calculated interference caused by the K48DZ operation to pertinent surrounding DTV assignments and allotments.

<u>DTV Assignment</u>	<u>Channel</u>	<u>Service Population</u>	<u>Interference Population</u>
KPDY-DT, Vancouver, WA	DTV-48	1,960,000 (App)	10 (0.00%)

The interference level is well within the FCC's 0.5% acceptable interference threshold.

No calculated interference is caused by the K48DZ operation to any other known DTV assignment or allotment at

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this time. As shown, the K48DZ operation complies with the FCC's DTV interference requirements.

The K48DZ 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 K48DZ complies with the FCC's interference criteria for Class A status.

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



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