

TECHNICAL EXHIBIT CONCERNING
THE TV CLASS A LICENSE APPLICATION FROM
STATION W15BU
JOHNSTON CITY, ILLINOIS

This Technical Statement supports the Class A TV license application from low power television (LPTV) station W15BU on channel 15 at Johnston City, Illinois. 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 W15BU has a construction permit (CP) to operate on channel 15 with a zero (0) carrier offset (BPTTL-JG0601ZW, Facility ID 66983). A directional antenna (DA) system is employed with the major lobe oriented toward 270 degrees True (west). The maximum visual effective radiated power (ERP) is 12.9 kilowatts (kW). The antenna center of radiation is located 277 meters above mean sea level (AMSL). The maximum antenna height above average terrain (HAAT) is 164 meters. The transmitter site coordinates are 37-50-43, 88-55-46.

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 (i.e., separations & non-overlapping predicted contours, LPONE). The study indicates station W15BU has no allocation problems with other analog operations.

With respect to digital television (DTV) assignments and allotments on channels 14, 15 and 16, 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 W15BU operation to pertinent surrounding DTV assignments and allotments.

<u>DTV Assignment</u>	<u>Channel</u>	<u>Service Population</u>	<u>Interference Population</u>
WSEC-DT, Jacksonville, IL	DTV-15	636,000 (App)	237 (0.04%)
WZTV-DT, Nashville, TN	DTV-15	1,580,000 (App)	1 (0.00%)
WZTV-DALT, Nashville	DTV-15	1,338,000	25 (0.00%)

The interference levels are well within the FCC's 0.5% acceptable interference threshold.

No calculated interference is caused by the W15BU operation to any other known DTV assignment or allotment at

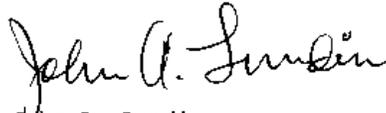
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this time. As shown, the W15BU operation complies with the FCC's DTV interference requirements.

The W15BU 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 W15BU 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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