

TECHNICAL EXHIBIT
APPLICATION FOR LICENSE
LPTV STATION WFBI-LD
MEMPHIS, TENNESSEE
CH 33 15 KW (MAX-DA)

Technical Statement

This Technical Exhibit, of which this statement is part, was prepared on behalf of digital companion channel low powered television station WFBI-LD assigned to Memphis, Tennessee. WFBI-LD has a construction permit for operation on Channel 33 with a maximum effective radiated power of 15 kW.¹ By this instant application, station licensure is requested. Figure 1 is a tabulation of the RF Technical Specifications.

Charles A. Cooper

July 14, 2010

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Sarasota, Florida 34237
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¹ See FCC File Number: BDISDTL-20100127ADM.

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WFBI-LD Channel 33 RF Transmission System Specifications

Description	System
Transmitter Power Output (0.650 kW):	-1.9 dBk
Combiner Loss:	0.6 dB
<i>Andrew</i> Transmission Line Loss (HJ11-50) 620 feet:	2.0 dB
Maximum <i>MCI UHF Broadband Antenna System</i> :	16.3 dB
Maximum Effective Radiated Power (15 kW):	11.8 dBk