

TECHNICAL EXHIBIT
APPLICATION FOR LICENSE
STATION WBBJ(TV) (FACILITY ID 65204)
JACKSON, TENNESSEE
CH 43 4.22 KW 177 M

Technical Narrative

This technical statement was prepared on behalf of television station WBBJ(TV) on channel 43 assigned to Jackson, Tennessee in support of its auxiliary digital (DTV) application for license. The facility was build in accordance with the CP issued.

Station WBBJ is authorized (CP) to operate on channel 43 with a non-directional antenna effective radiated power (ERP) of 4.22 kilowatts (kW) and an antenna height above average terrain (HAAT) of 177 meters. (BXPCDT-20060828ABJ). The antenna radiation center (Dielectric, model TLP-8A) height is 149 meters above ground level (AGL), and 177 meters height above average terrain (HAAT).



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WBBJ-DT Auxiliary Transmission System Specifications

Description	System
Transmitter Power Output (1 kW):	0.0 dBk
Transmission Line Loss (525 feet) (2-1/4" foam line):	2.7 dB
Dielectric TLP-8A (8 Power Gain):	9.0 dB
Effective Radiated Power (4.22 kW):	6.3 dBk