

TECHNICAL EXHIBIT
IN SUPPORT OF LICENSE APPLICATION
FOR STATION WBBJ-DT (FACILITY ID 65204)
JACKSON, TENNESSEE
CH 43 1000 KW 302 M

Technical Narrative

This technical statement was prepared in support of the license application for station WBBJ-DT at Jackson, Tennessee. Station WBBJ-DT is authorized to operate on channel 43 with an effective radiated power (ERP) of 1000 kilowatts (kW) and an antenna radiation center height above average terrain (HAAT) of 302 meters (BPCDT-20080226ABH). The facility was constructed as requested in the application for construction permit.

The Commission placed the routine condition on WBBJ's CP regarding notification of health care facilities. WBBJ has already coordinated with health care facilities for its previous 920 kW ERP authorization (BPCDT-19991013ABH, license application pending, BLCDT-20060406ADD). This proposed modification is only a slight increase in non-directional ERP by 0.36 dB. WBBJ-DT is notifying health care facilities of this further ERP increase, however, it is believed that the proposed change is insignificant and will not have any adverse affect on health care facilities beyond that of the previous 920 kW ERP operation.



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WBBJ-DT RF Transmission System Specifications

Description	System
Transmitter Power Output (52 kW):	17.2 dBk
Transmission Line Loss (75%) (6" air) 987 feet:	1.3 dB
DIE TFU-30DSC-R 04 (25.5 Power Gain):	14.1 dB
Effective Radiated Power (1000 kW):	30.0 dBk