

**Graham Brock, Inc. - Broadcast Technical Consultants**

**W227AK Proposed**

Latitude: 35-01-21 N  
Longitude: 085-15-42 W  
ERP: 0.13 kW  
Channel: 227D  
Frequency: 93.3 MHz  
AMSL Height: 332.0 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model : FCC

**WMPZ**

BLH-19980814KF  
Latitude: 34-53-46 N  
Longitude: 085-10-18 W  
ERP: 4.90 kW  
Channel: 229A  
Frequency: 93.7 MHz  
AMSL Height: 347.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model : FCC

W227AK 60 dBu

WMPZ 60 dBu

W227AK  
Chattanooga

WMPZ  
Ringgold  
Catoosa

**EXHIBIT A**

**MINOR CHANGE APPLICATION**  
**J.L. BREWER BROADCASTING, LLC**  
**W227AK FM TRANSLATOR STATION**  
**CH 227D - 93.3 MHZ - 0.13 KW (DA)**  
**CHATTANOOGA, TENNESSEE**  
**April 2007**

Scale 1:550,000

0 7 14 21 km