

**APPLICATION FOR STATION LICENSE**  
**EMMIS AUSTIN RADIO BROADCASTING COMPANY, LP**  
**K274AX FM TRANSLATOR**  
**CH 274D - 102.7 MHZ - 0.240 KW**  
**AUSTIN, TEXAS**  
**July 2011**

**EXHIBIT A**

**K274AX Transmission System Calculations**

Effective Radiated Power: 0.240 kilowatt (horizontal/vertical)

Antenna: Shively Labs, Model 6813-1  
One bay circularly polarized

Power Gain 0.46

Transmission Line: Andrew Corporation HJ5-50  
(799 feet) 7/8 inch air dielectric  
50.2% Efficiency

Bandpass filter: Shively 2604-3A  
Insertion loss 0.52640 db  
88.585% Efficiency

Required Transmitter Power Output  
To Reach Effective Radiated Power: 1.17 kilowatts

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Facilities Authorized: Channel 274D - 102.7 MHz

Effective Radiated Power: 0.240 kilowatt (H/V)

Geographic Coordinates: North Latitude 30° 19' 20"  
West Longitude 97° 48' 03"

Antenna Center of Radiation: Above Ground 215.0 meters  
Above MSL 453.0 meters

Antenna Structure Registration #: 1063584