

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

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