

APPLICATION FOR STATION LICENSE
EMMIS AUSTIN RADIO BROADCASTING COMPANY, LLC
KROX-FM (AUX) RADIO STATION
CH 268C2 - 101.5 MHZ - 12.5 KW
BUDA, TEXAS
August 2013

EXHIBIT A

KROX-FM (aux) Transmission System Calculations:

Effective Radiated Power:	12.5 Kilowatts (Horizontal/Vertical)
Antenna:	Shively Labs 6810-3 3 bay half wavelength spaced
Power Gain:	1.01
Transmission Line: (387 feet)	Andrew HJ8-50B 3" air dielectric 77.9% Efficiency
RF Switch:	0.1 dB loss 97.72% Efficiency
Transmission Line: (10 feet)	3 1/8" Myat Rigid with Elbows 0.021 dB loss 99.5% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	16.34 Kilowatts (16,340 watts)

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EXHIBIT A (continued)

KROX-FM (aux) Transmission System Calculations:

Facilities Authorized:	Channel 268C2 - 101.5 MHZ
Effective Radiated Power:	12.5 kilowatts (H/V)
Geographic Coordinates:	North Latitude 30° 19' 20"
	West Longitude 97° 48' 03"
Antenna Center of Radiation:	AGL 210.0 meters
	AMSL 448.0 meters
	HAAT 229.0 meters
ASRN:	1063584