

MODIFY BLH-19960610KA
ROYSE RADIO, INC.
WCLU-FM RADIO STATION
CH 272A - 102.3 MHZ - 2.8 KW
MUNFORDVILLE, KENTUCKY
May 2007

EXHIBIT A

WCLU-FM Transmission System Calculations

Effective Radiated Power:	
Horizontal	2.8 kilowatts
Vertical	2.8 kilowatts
Antenna:	Electronics Research, Inc. LPX-2E 2 bay full wavelength spaced antenna
Horizontal gain	0.9971
Transmission Line: (10 feet)	Andrew LDF5-50A 7/8 inch foam dielectric 99.1% efficiency
Transmission Line: (171 feet)	Andrew HJ7-50A 1 5/8 inch air dielectric 92.1% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	3.076 kilowatts

Facilities Authorized:	Channel 272A - 102.3 MHZ
Effective Radiated Power:	2.8 kilowatts (H/V)
Geographic Coordinates:	North Latitude 37° 10' 41" West Longitude 85° 55' 15"
Antenna Center of Radiation:	Above Ground 52.0 meters Above MSL 335.0 meters HAAT 125.0 meters
Antenna Structure Registration #:	N/A