

MODIFY BLED-19930802KB
RELICENSE FORMER MAIN AS AUXILIARY
RADIO TRAINING NETWORK, INC.
KWND (FM) RADIO STATION
CH 202C1 - 88.3 MHZ - 35.0 W
SPRINGFIELD, MISSOURI
March 2010

EXHIBIT B

KWND Auxiliary Transmission System Calculations

Effective Radiated Power:

Horizontal	12.0 kilowatts
Vertical	12.0 kilowatts

Antenna:	PSI Model FH-6C 6 bay full wavelength spaced
Horizontal gain	3.2

Transmission Line:	Andrew HJ8-50B
(325 feet)	3 inch air dielectric
	90.7% Efficiency

Required Transmitter Power Output To Reach Effective Radiated Power:	4.134 kilowatts
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Facilities Authorized:	Channel 202C1 - 88.3 MHZ
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Effective Radiated Power:	12.0 kilowatts (H/V)
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Geographic Coordinates:	North Latitude 37° 10' 30"
	West Longitude 93° 02' 35"

Antenna Center of Radiation:	Above Ground 93.0 meters
	Above MSL 526.0 meters
	HAAT 100.0 meters

Antenna Structure Registration #:	1003647
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