

MODIFY BLH-19960111KB
CUMULUS LICENSING LLC
WRKI (FM) RADIO STATION
CH 236B - 95.1 MHZ - 29.5 KW
BROOKFIELD, CONNECTICUT
February 2012

EXHIBIT A

WRKI Transmission System Calculations

Effective Radiated Power:	
Horizontal/Vertical	29.5 kilowatts
Antenna:	Electronics Research, Inc. FML-2E-DA-SP 2 bay full wavelength spaced antenna
Horizontal gain	1.743
Transmission Line:	Andrew HJ8-50B
(517 feet)	3 inch air dielectric 85.1% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	19.89 kilowatts

Facilities Authorized:	Channel 236B - 95.1 MHZ
Effective Radiated Power:	29.5 kilowatts (H/V)
Geographic Coordinates:	North Latitude 41° 29' 36" West Longitude 73° 25' 45"
Antenna Center of Radiation:	Above Ground 147.0 meters Above MSL 367.0 meters HAAT 194.0 meters
Antenna Structure Registration #:	1045933