

APPLICATION FOR STATION LICENSE
CUMULUS LICENSING, LLC
WHBX (FM) RADIO STATION
CH 241C2 - 96.1 MHZ - 37.0 kW
TALLAHASSEE, FLORIDA
May 2015

EXHIBIT A

WHBX FM Transmission System Calculations

Effective Radiated Power:	37.0 Kilowatts (Horizontal/Vertical)
Antenna:	ERI SHPX-4 4 bay full wavelength spaced antenna
Power Gain:	2.1332
Transmission Line:	RFS HCC300-50J
(141.7 meters / 465 feet)	3 inch air dielectric
Efficiency:	87.25%
Required Transmitter Power Output To Reach Effective Radiated Power:	19.88 kilowatts (19,880 watts)

Geographic Coordinates:	North Latitude	30° 15' 58"
	West Longitude	84° 16' 28"
Antenna Center of Radiation:	AMSL	151.0 meters
	HAAT	143.0 meters
	AGL	143.0 meters
ASRN:	1063013	