

NASHVILLE PUBLIC RADIO
EXHIBIT E-1
FCC FORM 340
SEEKING MINOR CHANGE TO WPLN-FM
AUXILIARY ANTENNA

This application seeks to make minor changes to the licensed (BLED-19990701KA) WPLN-FM co-located auxiliary antenna.

The changes proposed are replacement of the current 2-bay circular polarized Jampro JLST-2 antenna with a 4-bay SWR FMEC/4 circular polarized antenna and increasing the ERP from the licensed 0.5kw to 5.0kw. There are no proposed changes to the antenna center of radiation AGL or HAAT. The transmission line will not be changed with resultant line efficiency remaining at 49.05%. The relative antenna gains for the current and proposed antenna change from 0.955 to 2.044.

The proposed auxiliary antenna is co-located with the main WPLN-FM antenna (BLED-19840320AA) and therefore the resultant proposed auxiliary antenna 1 mV will be fully contained within the 80kw ERP main antenna 1 mV.