

WUSO Facility Construction Details

The WUSO facility was constructed in accordance with Construction Permit BPED-19980602MA. The transmitter power output is 120 watts and the transmission line consists of 20 feet of 7/8" Andrew air line. Between the transmitter and the antenna there is an ERI 3 1/8" to 1 5/8" plate adapter, a Bird 4526 thru-line wattmeter, a 15' Andrew FSJ4-50B jumper with male "N" connectors, a 3' Andrew FSJ4-50B jumper with male "N" connectors, an "N" female barrel and 2 90-degree "N" adapters. The antenna is an ERI model P300G-1AE with 1 section vertically polarized. The antenna was installed at a height above the rooftop of 22 feet. The main studio is still located in Firestone Hall next to Tower Hall where the antenna is located.

There are three special operating conditions. The first two are covered in a separate report by me on RFR measurements on the roof where the antenna is installed. The Board of Directors of Wittenberg College agrees to reduce power or cease operation as necessary to protect persons having access to the site from RF fields in excess of FCC guidelines. The rooftop is a controlled access site and the door is locked with appropriate warning signs.

My qualifications are I have worked as a broadcast engineer for almost 20 years and am familiar with the proper installation of all equipment used.

Eugene Simmons
Contract Engineer
3-17-2006