

## **ATTACHMENT A - WBED LP BEDFORD INDIANA**

We are requesting modification of our current output power. When our antenna was moved to our current site, wind, snow and ice prevented us safely from manually measuring the building our rooftop tower is on. Using the only available documents we had, we had to assume the building height was correct.

While taking measurements for a possible change to a 2 bay antenna, we found the building measurements must have taken into consideration an old antenna that was on tower on the building for 20+ years. (counting the tip of the antenna to the ground)

Manually measuring the building found the structure to be 24 ft shorter than our information showed.

Thus, our center of radiation is at 74 ft 10 inches or 22.8 meters above ground level, not 100 ft as licensed. This should increase our output power to approx 57 watts.

With a calculated loss of 1.5db for our coax, gain of antenna at -3.0dbd our transmitter power should now be corrected to 161 watts, power out of coax at 141 watts giving us our required 57 watts.