

## **EXHIBIT E-1**

The applicant originally proposed using 100 feet of Andrew 7/8" air dielectric coax and a Broadcast Electronics 500 watt transmitter with an ERI 1105-1 single bay antenna mounted at 25 meters center of radiation above the ground. The original calculations showed a line efficiency of 91.81%, resulting in a TPO of 0.4075 KW.

The facility as it has actually been constructed utilizes a Continental Electronics 1 KW solid state transmitter with 110' of Cablewave 7/8" air dielectric coax, 3' of Andrew 1/2" Superflex coax with N connectors and an ERI G5CPM-1E single bay antenna.

The center of radiation is 25 meters above the ground.

The ERP is 0.172 KW.

The ERI antenna has a gain of 0.4611.

The Cablewave coax has a loss of 1.2421 db at 100 meters.

The Andrew Superflex has a loss of 0.25 db with a N to N connection.

The overall transmission line efficiency calculates to 87.417%.

The antenna input power for the authorized ERP of 0.172 KW is 0.373 KW.

This produces a TPO of 0.427 KW.