

**Transmittter Power Output (TPO)  
and  
Special Operating Conditions or Restrictions**

Transmittter Power Output (TPO)

The Nicom BKG77 2 bay half wave antenna has a power gain of 0.695.

The Nicom Series BAC2N power divider and connectors has a loss of 0.726 dB.

THE 230 ft. of Ventev TWS-600 ½ inch foam coaxial cable has a loss of 1.762 dB.

The transmission line/power divider total system loss is 2.488 dB which results in an overall line efficiency of 56.391 percent.

56 watts divided by 0.695 divided by 0.56291 = 143 watts TPO.

Special Operating Conditions or Restrictions

The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines