

W300AQ
St. Marys, WV

Calculation of transmitter output power:

1. Listed gain, two-bay Nicom BKG-77, spaced one wavelength apart: .9
2. Required antenna input power for ERP of 250 watts: 278 watts
3. Coaxial feedline: Times Microwave LMR-600, 170 feet
4. Efficiency for this length of feedline: 72.7%
5. Required TPO for 250 watts ERP: 382 watts