

W232EG (W236BZ) Columbus, Ohio
LMS Construction Permit No. 0000208180
Transmitter Power Output
&
Special Operating Conditions or Restrictions

Transmitter Power Output (TPO)

The Shively Model 6832 one bay circularly polarized directional antenna has a power gain of 0.533.

The 667 ft. of RFS LCF78-50JA Cablewave 7/8 inch foam coaxial cable has a loss of 2.276 dB.

The 6 ft. RFS LCF12-50J 1/2 inch foam coax jumper has a loss of 0.037 dB.

The total transmission line loss is 2.313 dB for an overall line efficiency of 0.5871 percent.

$250 \text{ watts ERP} \div 0.533 \text{ antenna gain} \div 0.5871 \text{ line efficiency} = 798.9 \text{ (799 watts) TPO}$

Special Operating Conditions or Restrictions

The permittee/licensee in coordination with other users of the site agrees to 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.