

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

Transmitter Power Output (TPO):

The Shively 6832 two bay half wave directional antenna has a power gain of 0.7.

The 550 ft. of LDF50 7/8 inch foam coax has a loss of 1.996 dB for a line efficiency of 63.15 percent.

$250 \text{ watts} \div 0.7 \div 0.6315 = 0.566 \text{ kW TPO}$

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.

Pursuant to Revitalization of the AM Radio Service, Notice of Proposed Rule Making, 28 FCC Rcd 15221, 15227, para. 14 (2013), and First Report and Order, 30 FCC Rcd 12145, 12154, para. 17 and n. 43 (2015), permittee/licensee acknowledges and accepts the restrictions contained therein including the restriction that this facility may only, in perpetuity, be used to rebroadcast the authorized facilities of the AM primary station set forth in this authorization.