

WWQS Channel 205A Decatur, Tennessee

License Application Construction Permit LMS File No. 0000180811
Transmitter Power Output (TPO) & Special Operating Conditions & Restrictions

Transmitter Power Output (TPO):

The 90 ft. of Cablewave HCC158-50J 1-5/8 inch coaxial cable has a loss of .157 db for a line efficiency of 96.45 percent.

The PSI FM-2-DA directional antenna has a power gain of 2.18

$$6.0 \text{ kW ERP} \div 0.9645 \div 2.18 = 2.8536 \text{ kW TPO}$$

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.

Because this construction permit changes only the city of license, there has been no change to the transmit antenna system. However, the directional antenna Proof of Performance exhibit is included as an exhibit. Also, an RFR measurement exhibit is included as an exhibit.