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### **W257ED TPO Calculation**

#### **322 watts TPO**

Antenna = PSI FML-2A power gain = 1  
Feedline = 320 feet of RFS 7/8" Foam Line Loss at 99.3mhz = .3475 db/100ft  
Antenna Line Efficiency = 77.9%  
Antenna input power after coax loss = 250 watts  
 $322 \text{ watts} \times .779 = 250$

$250 \text{ watts} \times 1 \text{ (antenna gain multiplier)} = \mathbf{250 \text{ watts ERP}}$

I, Chris Hall, certify that W257ED's Transmitter Output Power is within the FCC stated tolerances for their Effective Radiated Power of 250 watts.

-Chris Hall  
Owner/Operator Reel Audio Broadcast Engineering, Inc.