



**1425 East Jackson Street Suite O**  
**Thomasville, GA 31792**  
**702-825-0287**  
[reelaudio@gmail.com](mailto:reelaudio@gmail.com)

### **W257BS TPO Calculation**

Transmitter power output: **43 watts TPO**

Antenna Power Gain Multiplier = 1.396

Antenna efficiency = **139.6%**

Feedline = 215 feet of Andrew LDF5-50 7/8" foam line,

LDF5-50 Line Loss at 99.3 mhz = .3617 db/100ft

Total coax loss = 0.778db

Line efficiency = **83.6%**

$43 \text{ watts} \times 1.396 \times 0.836 = 50$

**50 watts ERP**

-Chris Hall

Owner/Operator Reel Audio Broadcast Engineering, Inc.

A handwritten signature in black ink, appearing to be the name "Chris Hall". The signature is fluid and cursive, with a long horizontal stroke extending to the right.