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W268DR TPO Calculation

Transmitter Power Output = **790 watts TPO**

Antenna = Shively 6812-1 Antenna, power gain = 0.46

Feedline = 390 feet of Andrew LDF5-50A, Line Loss at 101.7 mhz = 0.3663 db/100ft

Connector Loss = 0.2db (4 type N connectors)

Coax/Connector Efficiency = 68.7%

790 watts TPO x 0.687

Antenna input power after coax loss = 542.73 watts

542.73 watts x 0.46 (antenna gain multiplier) = **250 watts ERP**

-Chris Hall

Owner/Operator Reel Audio Broadcast Engineering, Inc.

A handwritten signature in black ink, appearing to be "Chris Hall", written in a cursive style.