

Exhibit E-12

The specified transmitter power output achieves the authorized effective radiated power. This exhibit provides the basis for this statement and demonstrates the calculations to achieve the authorized ERP.

The specified transmitter power output is 210 Watts. The transmission line utilized is LDF5-50A, which for the length of 292 feet has a fractional efficiency of 0.7836. This results in an antenna input power of 164.6 Watts.

The antenna utilized is a Shively Labs 6812B-3 with 3 bays. The power gain of this antenna as specified by the manufacturer is 1.52. Using the antenna input power of 164.6 Watts, an effective radiated power of 250 Watts results.