

EXHIBIT 12

The system uses 397 feet of Cablewave LCF78-50A 7/8" foam coaxial cable. Loss of the cable is -1.39dB.

Antenna gain is 3.835.

Isocoupler loss is -0.6dB

Total loss is -1.99dB

Antenna input power to achieve 250 Watts ERP is: 65 Watts (0.065 kW).

Transmitter Power Output required to achieve 250 Watts ERP is 103 Watts (0.103 kW).