

**Exhibit 7****Description:** OUTPUT POWER CALCULATION

THE TPO OF 0.614 KW WAS CALCULATED AS FOLLOWS:

43.7 METERS OF ANDREW HJ5-50A 7/8" HELIAX WAS EMPLOYED. ACCORDING TO THE MANUFACTURER, THIS LINE HAS 1.237 DB LOSS PER 100 METERS, GIVING A TOTAL LINE LOSS OF 0.54 DB FOR A CALCULATED EFFICIENCY OF 88.3%.

BASED ON THE MANUFACTURER'S SPECIFICATIONS, THE MAXIMUM POWER GAIN OF THE INSTALLED ERI LPX-1E IS 0.4611. THEREFORE, THIS ANTENNA REQUIRES AN INPUT OF 0.542 KW TO PRODUCE 0.25 KW ERP. THE TRANSMITTER OUTPUT POWER IS CALCULATED BELOW:

$$\text{TPO} = 0.25 \text{ KW [ERP]} / (0.883[\text{LINE EFFICIENCY}] * .4611 [\text{ANTENNA GAIN}]) = 0.614 \text{ KW}$$