

# **W286DH License Application**

**60 Watts – 500 M AMSL**

**Caguas, PR**

**July 2021**

## **Transmitter Power Output Calculation**

Given:

ERP = 60 Watts

Antenna power gain = 3.2

Transmission Line Efficiency = 85%

Connector Efficiency = 99.26%

60 Watts divided by the antenna gain of 3.2 = an antenna input of 18.75 Watts

18.75 Watts divided by the transmission line efficiency of 85% = 22.05 Watts

22.05 divided by the connector efficiency of 99.26% = 22.21 Watts

Per 73.212(a) 22.21 rounds to 22 Watts TPO.

<b>Bromo Communications, Inc.</b>
-----------------------------------