



402 Tenth Avenue • PO Box 367 • Haddon Heights, NJ 08035

Engineering Report

Exhibit 12

Transmitter Power Calculation

W289CY, Millmay, NJ

July 2021

Effective Radiated Power	250 Watts
Antenna Gain	0.5 X
Antenna Input Power	500.0 Watts
Transmission Line	119 ft FLC 78-50A
Efficiency	89.8%
Power at Input	556.8 Watts

Transmitter Power Input Required      560 Watts  
For Rated ERP Per § 73.212