



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

Engineering Report

Exhibit 12

W224CW, Franklin Township, NJ

May 2016

## W224CW Transmitter Power Output Calculations

Effective Radiated Power:	105 Watts
Gain of PSIFML-2A-625WS-DA:	0.88 Power gain
Antenna Input Power:	119.3 Watts
Efficiency of 94.18m LDF5-50A:	65.0%
Transmitter Output Power:	183.5 Watts